

## SPECIFICAȚII DE PREȚ

1. Obiectul: *Achiziționarea lucrărilor de instalare a sistemului de paza tehnica*

Numărul: ILG-19/2024;

### 1. Sistemul de monitorizare paza tehnică filiala "Anenii Noi Gaz" (Baza Veche)

#### • Descrierea tehnica si echipamentul necesar

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
1	2	3	5	6	7	8	
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	Buc.	1	6 200	7 440	6 200	7 440
2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 8 TB	Buc.	2	4 445	5 334	8 890	10 668
3	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	Buc.	2	2 110	2 532	4 220	5 064
4	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	Buc.	10	2 550	3 060	25 500	30 600
5	Cameră de rețea Eyeball IR de 5MP cu focală fixă	Buc.	2	1 700	2 040	3 400	4 080
6	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	Buc.	1	4 400	5 280	4 400	5 280
7	Router Wi-Fi	Buc.	1	2 400	2 880	2 400	2 880
8	Dulap de distribuție montata pe perete 600*400*200	Buc.	1	650	780	650	780
9	Dulap metalic de distributie montat pe perete 650x500x220	Buc.	1	1 350	1 620	1 350	1 620
10	CamBox pentru Camera de rețea	Buc.	16	25	30	400	480
11	Surge Protector 5 Sockets	Buc.	2	200	240	400	480

12	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate	Buc.	1	2 900	3 480	2 900	3 480
13	Panou de control fără fir	Buc.	2	2 200	2 640	4 400	5 280
14	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	Buc.	2	2 300	2 760	4 600	5 520
15	POWER Baterie cu plumb acid 12V 7Ah	Buc.	2	270	324	540	648
16	Detector de spargere a sticlei cu imunitate la animale de companie	Buc.	20	500	600	10 000	30 000
17	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	Buc.	20	20	24	400	480
18	Contacte magnetice - Magnetic Sensor	Buc.	6	30	36	180	216
19	Semnalizator	Buc.	2	120	144	240	288
20	Releu fără fir	Buc.	2	560	672	1 120	1 344
21	Adaptor de alimentare 12V 2A	Buc.	3	430	516	1 290	1 548
22	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Buc.	1	880	1 056	880	1 056
23	Difuzor exterior	Buc.	1	350	420	350	420
24	Mini amplificator de sunet - cu două canale	Buc.	1	300	360	300	360
25	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Buc.	1	4 800	5 760	4 800	5 760

26	Baterie 12V 100Ah 830A (R+)	Buc.	2	3 200	3 840	6 400	7 680
27	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	M.	700	11	13,20	7 700	9 240
28	Cablu UTP CAT5e	M.	50	5	6	250	300
29	Cablu electric PVS	M.	35	15	18	525	630
30	Cablu SVVP 2*0,75	M.	15	7	8,40	105	126
31	Cablu-canal 25x16x2000mm	M.	150	10	12	1 500	1 800
32	Cablu Alarm 6 CU Italy	M.	540	5	6	2 700	3 240
33	Furtun metalic din PVC	M.	70	21	25,20	1 470	1 764
34	Priza 220V	Buc.	2	80	96	160	192
35	CUTIE DE DISTR. IP65 150*150*70A	Buc.	3	90	108	270	324
36	Kit de montare MEDIU	Buc.	2	2 400	2 880	4 800	5 760
37	Costuri de transport	Km.	234	5	6	1 170	1 404
38	Instalarea rețelelor de cablu	Serv.	1	14 000	16 800	14 000	16 800
39	Instalarea echipamentului de sistem	Serv.	1	10 000	12 000	10 000	12 000

40	Instalarea echipamentelor sistemului de securitate	Serv.	1	6 000	7 200	6 000	7 200
41	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	Serv.	1	8 000	9 600	8 000	9 600
42	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	Serv.	1	7 000	8 400	7 000	8 400
43	Configurarea analizei sistemului de supraveghere video	Serv.	1	8 000	9 600	8 000	9 600
	<b>TOTAL</b>					<b>169 860</b>	<b>203 832</b>

## 2. Sistemul de monitorizare paza tehnică filiala "Anenii Noi Gaz" (baza Nouă)

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
	1	2	3	5	6	7	8
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	buc.	1	6 220	7 464	6 220	7 464
2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 8 TB	buc.	2	4 440	5 328	8 880	10 656
3	4MP 25× Cameră PTZ panoramică de rețea cu lumină dublă inteligentă + Cameră PTZ SMART-LINKAGE și PANORAMICA	buc.	1	10 340	12 408	10 340	12 408
4	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	buc.	2	2 110	2 532	4 220	5 064
5	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	buc.	9	2 550	3 060	22 950	27 540
6	Cameră de rețea Dom IR cu focal fixă de 4MP	buc.	1	2 050	2 460	2 050	2 460

7	Camera de rețea Eyeball IR de 5MP cu focală fixă	<b>buc.</b>	2	1 740	2 088	3 480	4 176
8	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	<b>pcs.</b>	1	4 440	5 328	4 440	5 328
9	Switch desktop negestionat cu 10 porturi cu 8 porturi PoE	<b>buc.</b>	1	1 900	2 280	1 900	2 280
10	Router Wi-Fi	<b>buc.</b>	1	2 470	2 964	2 470	2 964
11	Dulap de distribuție montata pe perete 600*400*200	<b>buc.</b>	2	650	780	1 300	1 560
12	Dulap metalic de distributie montat pe perete 650x500x220	<b>buc.</b>	1	1 350	1 620	1 350	1 620
13	CamBox pentru Camera de rețea	<b>buc.</b>	2	29	35	58	70
14	Protector de supratensiune 5 prize	<b>buc.</b>	3	210	252	630	756
15	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<b>buc.</b>	1	2 910	3 492	2 910	3 492
16	Panou de control fără fir	<b>buc.</b>	2	2 260	2 712	4 520	5 424
17	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<b>buc.</b>	3	2 340	2 808	7 020	8 424
18	POWER Baterie cu plumb acid 12V 7Ah	<b>buc.</b>	3	270	324	810	972
19	Detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	12	510	612	6 120	7 344
20	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	12	24	29	288	346

21	Contacte magnetice - Magnetic Sensor	<b>buc.</b>	5	32	38	160	192
22	Semnalizator	<b>buc.</b>	3	120	144	360	432
23	Releu fără fir	<b>buc.</b>	3	560	672	1 120	1 344
24	Adaptor de alimentare 12V 2A	<b>buc.</b>	4	430	516	1 720	2 064
25	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	<b>buc.</b>	3	890	1 068	2 670	3 204
26	Difuzor exterior	<b>buc.</b>	1	350	420	350	420
27	Mini amplificator de sunet - cu două canale	<b>buc.</b>	1	3 150	3 780	3 150	3 780
28	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<b>buc.</b>	1	4 830	5 796	4 830	5 796
29	Baterie 12V 100Ah 830A (R+)	<b>buc.</b>	2	3 250	3 900	6 500	7 800
30	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<b>m.</b>	950	12	14	11 400	13 680
31	Cablu UTP CAT5e	<b>m.</b>	80	5	6	400	480
32	Cablu electric PVS	<b>m.</b>	110	15	18	1 650	1 980
33	Cablu SVVP 2*0,75	<b>m.</b>	200	7	8	1 400	1 680
34	Cablu-canal 25x16x2000mm	<b>m.</b>	20	10	12	800	960

35	Cablu Alarm 6 CU Italy	<b>m.</b>	660	5	6	3 300	3 960
36	Furtun metalic din PVC	<b>m.</b>	240	22	26	5 280	6 336
37	Priza 220V	<b>buc.</b>	3	80	96	240	288
38	CUTIE DE DISTR. IP65 150*150*70A	<b>buc.</b>	5	95	114	475	570
39	Kit de montare MEDIU	<b>buc.</b>	4	2 420	2 904	9 680	11 616
40	Costuri de transport	<b>km</b>	234	5	6	1 170	1 404
41	Instalarea rețelelor de cablu	<b>serv.</b>	1	20 000	24 000	20 000	24 000
42	Instalarea echipamentului de sistem	<b>serv.</b>	1	12 000	14 400	12 000	14 400
43	Instalarea echipamentelor sistemului de securitate	<b>serv.</b>	1	10 300	12 360	10 300	12 360
44	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	<b>serv.</b>	1	8 000	9 600	8 000	9 600
45	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	<b>serv.</b>	1	9 700	11 640	9 700	11 640
	<b>TOTAL</b>					<b>216 611</b>	<b>259 933,2</b>

### 3. Sistemul de monitorizare paza tehnică filiala ”Criuleni Gaz”

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
	1	2	3	5	6	7	8
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	buc.	1	6 220	7 464	6 220	7 464
2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	buc.	2	4 440	5 328	8 880	10 656
3	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	buc.	2	2 120	2 544	4 240	5 088
4	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	buc.	8	2 550	3 060	20 400	24 480
5	Cameră de rețea Eyeball IR de 5MP cu focală fixă	buc.	6	1 740	2 088	10 440	12 528
6	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	1 buc.	1	4 440	5 328	4 440	5 328
7	Router Wi-Fi	1 buc.	1	2 470	2 964	2 470	2 964
8	CamBox pentru Camera de rețea	14 pcs..	14	650	780	650	780
9	Protector de supratensiune 5 prize	buc.	2	1 350	1 620	1 350	1 620
10	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate..	buc.	1	29	34,8	406	487,2
11	Panou de control fără fir	buc.	2	210	252	420	504
12	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	buc.	13	2 910	3 492	2 910	3 492



13	POWER Baterie cu plumb acid 12V 7Ah	<b>buc.</b>	3	2 260	2 712	4 520	5 424
14	Detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	32	2 340	2 808	7 020	8 424
15	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	32	275	330	825	990
16	Contacte magnetice - Magnetic Sensor	<b>buc.</b>	4	515	618	16 480	19 776
17	Dulap de distribuție montata pe perete 600*400*200	<b>buc.</b>	1	24	28,8	768	921,6
18	Dulap metalic de distributie montat pe perete 650x500x220	<b>buc.</b>	1	32	38,4	128	153,6
19	Semnalizator	<b>buc.</b>	2	120	144	240	288
20	Releu fără fir	<b>buc.</b>	2	560	672	1 120	1 344
21	Adaptor de alimentare 12V 2A	<b>buc.</b>	2	430	516	860	1 032
22	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	<b>buc.</b>	1	890	1 068	890	1 068
23	Difuzor exterior	<b>buc.</b>	1	355	426	355	426
24	Mini amplificator de sunet - cu două canale	<b>buc.</b>	1	3 150	3 780	3 150	3 780
25	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<b>buc.</b>	1	4 830	5 796	4 830	5 796
26	Baterie 12V 100Ah 830A (R+)	<b>buc.</b>	2	3 250	3 900	6 500	7 800

27	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<b>m.</b>	140	12	14,4	1 680	2 016
28	Cablu UTP CAT5e	<b>m.</b>	860	5	6	4 300	5 160
29	Cablu Alarm 6 CU Italy	<b>m.</b>	685	15	18	300	360
30	Cablu electric PVS	<b>m.</b>	20	7	8,4	700	840
31	Cablu SVVP 2*0,75	<b>m.</b>	100	10	12	700	840
32	Cablu-canal 25x16x2000mm	<b>m.</b>	70	5	6	3 425	4 110
33	Furtun metalic din PVC	<b>m.</b>	55	23	27,6	1 265	1 518
34	Priza 220V	<b>buc.</b>	2	80	96	160	192
35	CUTIE DE DISTR. IP65 150*150*70A	<b>buc.</b>	4	95	114	380	456
36	Kit de montare MEDIU	<b>buc.</b>	2	2 420	2 904	4 840	5 808
37	Costuri de transport	<b>km</b>	240	5	6	1 200	1 440
38	Instalarea rețelilor de cablu	<b>serv.</b>	1	1 970	2 364	1 970	2 364
39	Instalarea echipamentului de sistem	<b>serv.</b>	1	12 600	15 120	12 600	15 120
40	Instalarea echipamentelor sistemului de securitate	<b>serv.</b>	1	10 550	12 660	10 550	12 660

41	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	serv.	1	8 000	9 600	8 000	9 600
42	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	serv.	1	9 700	11 640	9 700	11 640
43	Configurarea analizei sistemului de supraveghere video	serv.	1	8 000	9 600	8 000	9 600
<b>TOTAL</b>						<b>180 282</b>	<b>216 338,2</b>

#### 4. Sistemul de monitorizare pază tehnică filială ”Strășeni Gaz”

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
1	2	3	5	6	7	8	
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	buc.	1	6 224	7 468,8	6 224	7 468,8
2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	buc.	1	6 460	7 752	6 460	7 752
3	Cameră video IP PTZ de exterior 2MP cu elemente AI	buc.	1	7 220	8 664	7 220	8 664
4	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	buc.	2	2 110	2 532	4 220	5 064
5	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	buc.	4	2 550	3 060	10 200	12 240
6	Cameră de rețea Eyeball IR de 5MP cu focală fixă	buc.	3	1 740	2 088	5 220	6 264
7	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	buc.	2	4 440	5 328	8 880	10 656

8	Router Wi-Fi	<b>pcs.</b>	<b>1</b>	2 470	2 964	2 470	2 964
9	CamBox pentru Camera de rețea	<b>buc.</b>	<b>11</b>	650	780	1 300	1 560
10	CamBox pentru Camera de rețea	<b>buc.</b>	<b>1</b>	1 350	1 620	1 350	1 620
11	Protector de supratensiune 5 prize	<b>buc.</b>	<b>3</b>	29	34,8	319	382,8
12	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<b>buc.</b>	<b>1</b>	323	387,6	323	387,6
13	Panou de control fără fir	<b>buc.</b>	<b>1</b>	210	252	630	756
14	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<b>buc.</b>	<b>3</b>	2 910	3 492	2 910	3 492
15	POWER Baterie cu plumb acid 12V 7Ah	<b>buc.</b>	<b>3</b>	2 263	2 715,6	2 263	2 715,6
16	Detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	<b>31</b>	2 344	2 812,8	7 032	8 438,4
17	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	<b>31</b>	270	324	810	972
18	Contacte magnetice - Magnetic Sensor	<b>buc.</b>	<b>11</b>	510	612	15 810	18 972
19	Dulap de distribuție montata pe perete 600*400*200	<b>buc.</b>	<b>2</b>	24	28,8	744	892,8
20	Dulap metalic de distributie montat pe perete 650x500x220	<b>buc.</b>	<b>1</b>	32	38,4	352	422,4
21	Semnalizator	<b>buc.</b>	<b>2</b>	120	144	240	288

22	Releu fără fir	<b>buc.</b>	<b>3</b>	560	672	1 680	2 016
23	Adaptor de alimentare 12V 2A	<b>buc.</b>	<b>3</b>	430	516	1 290	1 548
24	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	<b>buc.</b>	<b>3</b>	890	1 068	2 670	3 204
25	Difuzor exterior	<b>buc.</b>	<b>1</b>	355	426	355	426
26	Mini amplificator de sunet - cu două canale	<b>buc.</b>	<b>1</b>	3 150	3 780	3 150	3 780
27	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<b>buc.</b>	<b>1</b>	4 830	5 796	4 830	5 796
28	Baterie 12V 100Ah 830A (R+)	<b>buc.</b>	<b>2</b>	3 240	3 888	6 480	7 776
29	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<b>m.</b>	<b>200</b>	11,8	14,16	2 360	2 832
30	Cablu UTP CAT5e	<b>m.</b>	<b>630</b>	5	6	3 150	3 780
31	Cablu Alarm 6 CU Italy	<b>m.</b>	<b>932</b>	15	18	2 250	2 700
32	Cablu electric PVS	<b>m.</b>	<b>150</b>	7	8,4	630	756
33	Cablu SVVP 2*0,75	<b>m.</b>	<b>90</b>	10	12	1 400	1 680
34	Cablu-canal 25x16x2000mm	<b>m.</b>	<b>140</b>	5	6	4 660	5 592
35	Furtun metalic din PVC	<b>m.</b>	<b>90</b>	22	26,4	1 980	2 376

36	Priza 220V	<b>buc.</b>	<b>3</b>	80	96	240	288
37	CUTIE DE DISTR. IP65 150*150*70A	<b>buc.</b>	<b>3</b>	95	114	285	342
38	Kit de montare MEDIU	<b>buc.</b>	<b>3</b>	2 425	2 910	7 275	8 730
39	Costuri de transport	<b>km.</b>	<b>180</b>	5	6	900	1 080
40	Instalarea rețelelor de cablu	<b>serv.</b>	<b>1</b>	16 550	19 860	16 550	19 860
41	Instalarea echipamentului de sistem	<b>serv.</b>	<b>1</b>	12 416	14 899,2	12 416	14 899,2
42	Instalarea echipamentelor sistemului de securitate	<b>serv.</b>	<b>1</b>	9 050	10 860	9 050	10 860
43	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	<b>serv.</b>	<b>1</b>	8 000	9 600	8 000	9 600
44	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	<b>serv.</b>	<b>1</b>	9 700	11 640	9 700	11 640
45	Configurarea analizei sistemului de supraveghere video	<b>serv.</b>	<b>1</b>	8 000	9 600	8 000	9 600
	<b>TOTAL</b>					<b>194 278</b>	<b>233 133,6</b>

## 5. Sistemul de monitorizare paza tehnica filiala "Ialoveni Gaz"

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
	1	2	3	5	6	7	8
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	buc.	1	6 220	7 464	6 220	7 464
2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	buc.	2	6 460	7 752	12 920	15 504
3	4MP 25× Cameră PTZ panoramică de rețea cu lumină dublă inteligentă + Cameră PTZ SMART-LINKAGE și PANORAMICA	buc.	1	10 340	12 408	10 340	12 408
4	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	buc.	6	2 110	2 532	12 660	15 192
5	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	buc.	16	2 550	3 060	40 800	48 960
6	Cameră de rețea Eyeball IR de 5MP cu focală fixă	buc.	3	1740	2 088	5 220	6 264
7	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	1 buc.	1	3 970	4 764	3 970	4 764
8	Switch FE PoE+ 16 porturi Gigabit Combo PoE	buc.	1	4 440	5 328	4 440	5 328
9	Switch desktop negestionat cu 10 porturi cu 8 porturi PoE	buc.	1	1 900	2 280	1 900	2 280
10	Router Wi-Fi	buc.	1	2 470	2 964	2 470	2 964
11	Dulap de distribuție montata pe perete 600*400*200	buc.	3	650	780	1 950	2 340

12	Dulap metalic de distributie montat pe perete 650x500x220	<b>buc.</b>	<b>1</b>	1 350	1 620	1 350	1 620
13	Camera de rețea CamBox pentru	<b>buc.</b>	<b>30</b>	29	34,8	870	1 044
14	CamBox pentru Camera de rețea	<b>buc.</b>	<b>1</b>	323	387,6	323	387,6
15	Protector de supratensiune 5 prize	<b>buc.</b>	<b>4</b>	210	252	840	1 008
16	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<b>buc.</b>	<b>1</b>	2 900	3 480	2 900	3 480
17	Repetitor de semnal radio pentru sistem de securitate.	<b>buc.</b>	<b>1</b>	1 600	1 920	1 600	1 920
18	Panou de control fără fir	<b>buc.</b>	<b>2</b>	2 260	2 712	4 520	5 424
19	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<b>buc.</b>	<b>6</b>	2 340	2 808	14 040	16 848
20	POWER Baterie cu plumb acid 12V 7Ah	<b>buc.</b>	<b>6</b>	274	328,8	1 644	1 972,8
21	Detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	<b>56</b>	500	600	28 000	33 600
22	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	<b>56</b>	24	28,8	1 344	1 612,8
23	Contacte magnetice - Magnetic Sensor	<b>buc.</b>	<b>18</b>	30	36	540	648
24	Semnalizator	<b>buc.</b>	<b>5</b>	120	144	600	720
25	Releu fără fir	<b>buc.</b>	<b>5</b>	560	672	2 800	3 360



26	Adaptor de alimentare 12V 2A	<b>buc.</b>	<b>5</b>	436	523,2	2 180	2 616
27	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	<b>buc.</b>	<b>3</b>	890	1 068	2 670	3 204
28	Difuzor exterior	<b>buc.</b>	<b>1</b>	350	420	350	420
29	Mini amplificator de sunet - cu două canale	<b>buc.</b>	<b>1</b>	3 150	3 780	3 150	3 780
30	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<b>buc.</b>	<b>1</b>	4 830	5 796	4 830	5 796
31	Baterie 12V 100Ah 830A (R+)	<b>buc.</b>	<b>2</b>	3 240	3 888	6 480	7 776
32	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<b>m.</b>	<b>940</b>	11	13,2	10 340	12 408
33	Cablu UTP CAT5e	<b>m.</b>	<b>840</b>	5	6	4 200	5 040
34	Cablu electric PVS	<b>m.</b>	<b>200</b>	15	18	3 000	3 600
35	Cablu SVVP 2*0,75	<b>m.</b>	<b>150</b>	7	8,4	1 050	1 260
36	Cablu-canal 25x16x2000mm	<b>m.</b>	<b>200</b>	10	12	2 000	2 400
37	Cablu Alarm 6 CU Italy	<b>m.</b>	<b>2 085</b>	5	6	10 425	12 510
38	Furtun metalic din PVC	<b>m.</b>	<b>300</b>	22	26,4	6 600	7 920
39	Priza 220V	<b>buc.</b>	<b>4</b>	80	96	320	384

40	CUTIE DE DISTR. IP65 150*150*70A	buc.	12	95	114	1 140	1 368
41	Kit de montare MEDIU	buc.	5	2 420	2 904	12 100	14 520
42	Costuri de transport	km.	81	0	0	0	0
43	Instalarea rețelilor de cablu	serv.	1	41 000	49 200	41 000	49 200
44	Instalarea echipamentului de sistem	serv.	1	17 000	20 400	17 000	20 400
45	Instalarea echipamentelor sistemului de securitate	serv.	1	14 000	16 800	14 000	16 800
46	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	serv.	1	14 000	16 800	14 000	16 800
47	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	serv.	1	12 000	14 400	12 000	14 400
48	Configurarea analizei sistemului de supraveghere video	serv.	1	19 000	22 800	19 000	22 800
	<b>TOTAL</b>					<b>352 096</b>	<b>422 515,2</b>

## 6. Sistemul de monitorizare pază tehnică filială ”Dubăsari Coșnița Gaz”

nr.	Denumirea obiectivului, și adresa	Unitaete a de măsură	cantitatea	Preț unitar (lei fără TVA)	Preț unitar (lei cu TVA)	Suma totală fără TVA	Suma totală cu TVA
	1	2	3	5	6	7	8
1	32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	buc.	1	6 220	7 464	6 220	7 464

2	Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	<b>buc.</b>	1	6 400	7 680	6 400	7 680
3	Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	<b>buc.</b>	2	2 110	2 532	4 220	5 064
4	Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	<b>buc.</b>	8	2 550	3 060	20 400	24 480
5	Cameră de rețea Eyeball IR de 5MP cu focală fixă	<b>buc.</b>	3	1 740	2 088	5 220	6 264
6	Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	<b>buc.</b>	1	4 440	5 328	4 440	5 328
7	Router Wi-Fi	<b>buc.</b>	1	2 470	2 964	2 470	2 964
8	Dulap de distribuție montata pe perete 600*400*200	<b>buc.</b>	1	650	780	650	780
9	Dulap metalic de distributie montat pe perete 650x500x220	<b>buc.</b>	1	1 350	1 620	1 350	1 620
10	Camera de rețea CamBox pentru	<b>buc.</b>	11	29	34,8	319	382,8
11	Protector de supratensiune 5 prize	<b>buc.</b>	2	210	252	420	504
12	Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<b>buc.</b>	1	2 910	3 492	2 910	3 492
13	Panou de control fără fir	<b>buc.</b>	2	2 260	2 712	4 520	5 424
14	Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<b>buc.</b>	2	2 340	2 808	4 680	5 616
15	POWER Baterie cu plumb acid 12V 7Ah	<b>buc.</b>	2	270	324	540	648

16	Detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	17	500	600	8 500	10 200
17	Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<b>buc.</b>	17	24	28,8	408	489,6
18	Contacte magnetice - Magnetic Sensor	<b>buc.</b>	3	30	36	90	108
19	Semnalizator	<b>buc.</b>	1	120	144	120	144
20	Releu fără fir	<b>buc.</b>	1	560	672	560	672
21	Adaptor de alimentare 12V 2A	<b>buc.</b>	2	430	516	860	1032
22	Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	<b>buc.</b>	2	889	1 066,8	1 778	2 133,6
23	Difuzor exterior	<b>buc.</b>	1	355	426	355	426
24	Mini amplificator de sunet - cu două canale	<b>buc.</b>	1	3 150	3 780	3 150	3 780
25	Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<b>buc.</b>	1	4 830	5 796	4 830	5 796
26	Baterie 12V 100Ah 830A (R+)	<b>buc.</b>	2	3 240	3 888	6 480	7 776
27	FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<b>m.</b>	290	11	13,2	3 190	3 828
28	Cablu UTP CAT5e	<b>m.</b>	80	5	6	400	480
29	Cablu electric PVS	<b>m.</b>	30	15	18	450	540

30	Cablu SVVP 2*0,75	<b>m.</b>	30	7	8,4	210	252
31	Cablu-canal 25x16x2000mm	<b>m.</b>	26	10	12	260	312
32	Cablu Alarm 6 CU Italy	<b>m.</b>	530	5	6	2 650	3 180
33	Furtun metalic din PVC	<b>m.</b>	75	22	26,4	1 650	1 980
34	Priza 220V	<b>buc.</b>	2	80	96	160	192
35	CUTIE DE DISTR. IP65 150*150*70A	<b>pcs..</b>	3	95	114	285	342
36	Kit de montare MEDIU	<b>buc.</b>	2	2 425	2 910	4 850	5 820
37	Costuri de transport	<b>km.</b>	234	5	6	1 170	1 404
38	Instalarea rețelelor de cablu	<b>serv.</b>	1	10 000	12 000	10 000	12 000
39	Instalarea echipamentului de sistem	<b>serv.</b>	1	6 000	7 200	6 000	7 200
40	Instalarea echipamentelor sistemului de securitate	<b>serv.</b>	1	5 000	6 000	5 000	6 000
41	Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	<b>serv.</b>	1	4 000	4 800	4 000	4 800
42	Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	<b>serv.</b>	1	8 000	9 600	8 000	9 600
43	Configurarea analizei sistemului de supraveghere video	<b>serv.</b>	1	4 000	4 800	4 000	4 800



**CAIET DE SARCINI**  
**Obiectele care urmează a fi construite:**

**7. Sistemul de monitorizare paza tehnică filiala "Anenii Noi Gaz" (Baza Veche)**

**• Descrierea tehnica si echipamentul necesar**

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	<b>1 buc.</b>
Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 8 TB	<ul style="list-style-type: none"> <li>Form factor 3.5'</li> <li>SATA III interface</li> <li>Drive capacity 8.0TB</li> <li>Data transfer rate: at least 6 Gbps</li> <li>Spindle Speed 5900 RPM</li> <li>Maximum noise level 21dB</li> <li>Buffer capacity: at least 64 MB</li> <li>Maximum power consumption 3.68W</li> <li>MTBF: at least 1.0 million hours</li> <li>Physical dimensions, weight 147 x 101.6 x 20 mm, 415 g</li> <li>Manufacturer's warranty: at least 36 months.</li> </ul>	<b>2 buc.</b>
Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> <li>- smart motion detection and built-in AI chip</li> <li>· Red and blue flashlight alarm</li> </ul>	<b>2 buc.</b>
Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and max. warm light is 50 m.</li> </ul>	<b>10 buc.</b>

	<ul style="list-style-type: none"> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> <li>· IP67, IK10 (optional) protection.</li> <li>- smart motion detection and built-in AI chip</li> </ul>	
<p>Cameră de rețea Eyeball IR de 5MP cu focală fixă</p>	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<b>2 buc.</b>
<p>Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi</p>	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<b>1 buc.</b>
<p>Router Wi-Fi</p>	<p>High performance processor- at least: IPQ-4018 716 MHz, 4 cores Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2 Antenna pattern width-360° Connection interface- 1x micro-SIM for modem; 1x miniPCI-e 1 Wan-port, at least 1 Lan-port RAM size - at least 128 MB Storage size - at least 16 MB Storage type FLASH Operating temperature -30°C to 60°C</p>	<b>1 buc.</b>
<p>Dulap de distribuție montata pe perete 600*400*200</p>	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<b>1 buc.</b>
<p>Dulap metalic de distributie montat pe perete 650x500x220</p>	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<b>1 buc.</b>
<p>CamBox pentru Camera de rețea</p>	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<b>16 buc.</b>
<p><b>Surge Protector 5 Sockets</b></p>	<p>Surge Protector 5 Sockets, 5.0m, flame-retardant material</p>	<b>2 buc.</b>
<p>Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă</p>	<p>Radio-channel, intelligent concentrator-hub The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console. Shall support photo verification of alarms Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m.</p>	<b>1 buc.</b>



<p>proprietarului și biroului de securitate.</p>	<p>Installation type: Indoor          Connected devices - 200, Users - 200, Guard groups - 25          Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions          Support mobile applications iOS 11.0 and above / Android 4.4 and above          Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly / Switching between SIM cards Signal delivery time - no more than - 0.15 s          Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA Power supply 110 - 240 V mains or 12 V          Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation          Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds          Operating temperature range -10°C to +40°C          Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway          Video surveillance: At least 9 cameras and video recorders</p>	
<p>Panou de control fără fir</p>	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres          Security modes must be controlled by common and personal passwords, cards or key fobs          Must support: tamper on opening and tear-off, code on compulsion, protection against password selection.          Operating temperature range: -10°C to +40°C          Built-in battery: keeps working - up to 4.5 years          Warranty of at least 2 years.</p>	<p><b>2 buc.</b></p>
<p>Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate</p>	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers.          It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters. Must have at least 18 wired zones.          All 18 wired zones must be configured in the mobile application.          Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens.          The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When the connection with a wired device is lost, a custom alarm will be reported immediately. Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications.          Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	<p><b>2 buc.</b></p>
<p>POWER Baterie cu plumb acid 12V 7Ah</p>	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>• Battery with efficient energy system to provide improved electrical flow.</li> <li>• Efficient power system to provide improved electrical flow.</li> <li>• Durability due to the higher resistance of the gratings to corrosion.</li> <li>• Created in accordance with international quality standards.</li> <li>• High starting power.</li> <li>• POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm)</li> <li>• Initial current: 2.10A MAX</li> <li>• Cycle use: 14,4-14,9V</li> <li>• Standby use: 13,6-13.8V</li> <li>• Weight 2.45kg .</li> <li>• Warranty at least 1 year</li> </ul>	<p><b>2 buc.</b></p>
<p>Detector de spargere a sticlei cu imunitate la animale de companie</p>	<p>Alarm contact and tamper switch          Digital signal analysis          Exceptional white light immunity          Pet immunity up to 25 kg (55 lbs)          Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets</p>	<p><b>20 buc.</b></p>

	Separate PIR and glassbreak sensitivity adjustment independent relay outputs for glassbreak and PIR alarm signals	
Support pentru detector de spargere a sticlei cu imunitate la animale de companie	Support detectors	<b>20 buc.</b>
Contacte magnetice - Magnetic Sensor	Magnetic contacts for window and door use. <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>6 buc.</b>
Semnalizator	Blinker Flashing flashers belong to one of the varieties of special warning lights.	<b>2 buc.</b>
Relevu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>2 buc.</b>
Adaptor de alimentare 12V 2A	12V 2A Power Adapter <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>3 buc.</b>
Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>1 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>
Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs. <ul style="list-style-type: none"> <li>- Linear-interactive technology with pure sine wave output voltage.</li> <li>- Microprocessor control</li> <li>- LCD display with a set of operation indicators</li> <li>- Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies</li> <li>- Automatic voltage regulator</li> <li>- Long autonomy time by connecting external 12V batteries</li> <li>- Improved battery management to extend battery life</li> <li>- Output short circuit and overload protection (circuit breaker)</li> <li>- Automatic charging of batteries when switched off</li> <li>USB communication port</li> </ul>	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	Battery requirements <ul style="list-style-type: none"> <li>•Mesh plate design:</li> <li>•Using special plates made using a mesh structure.</li> <li>•R+ technology:</li> <li>•PowerFrame Technology:</li> <li>•Durable materials:</li> <li>•Design with highly protective technology:</li> <li>•This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life..</li> <li>• Voltage (V) 12</li> <li>• Capacity (Ah) 100</li> <li>• Starting current (A) 830</li> <li>• Polarity R+</li> <li>• Dimensions (mm) 353x175x190</li> <li>• Ca/Ca technology</li> <li>• Maintenance Maintenance Free</li> </ul>	<b>2 buc.</b>

	<ul style="list-style-type: none"> <li>• Euro case format</li> <li>• Euro terminal thickness</li> <li>• Weight (kg) 21.9</li> <li>• Warranty at least 2 year</li> </ul>	
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<ul style="list-style-type: none"> <li>• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG).</li> <li>• The outer covering material is PE (Polyethylene).</li> <li>• Equipped with an additional self-supporting cable and two power conductors.</li> </ul>	<b>700 m.</b>
Cablu UTP CAT5e	<ul style="list-style-type: none"> <li>· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable</li> <li>· High-purity oxygen-free copper conductor</li> <li>· Customized PVC outer sheath; CE CPR Eca flame retardant class certified</li> <li>· 10-year warranty</li> </ul>	<b>50 m.</b>
Cablu electric PVS	Electric cable PVS	<b>35 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>15 m.</b>
Cablu-canal 25x16x2000mm	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>150 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>540 m.</b>
Furtun metalic din PVC	PVC-insulated metal hose made of galvanised metal tape is designed for mechanical protection of electrical or data cables in pipe cable routing systems of high flexibility.	<b>70 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>2 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>3 buc.</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>2 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>234 km</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>
Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>

## 8. Sistemul de monitorizare paza tehnică filiala "Anenii Noi Gaz" (baza Nouă)

### • Descrierea tehnica si echipamentul necesar

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	1 buc.
Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 8 TB	<ul style="list-style-type: none"> <li>Form factor 3.5'</li> <li>SATA III interface</li> <li>Drive capacity 8.0TB</li> <li>Data transfer rate: at least 6 Gbps</li> <li>Spindle Speed 5900 RPM</li> <li>Maximum noise level 21dB</li> <li>Buffer capacity: at least 64 MB</li> <li>Maximum power consumption 3.68W</li> <li>MTBF: at least 1.0 million hours</li> <li>Physical dimensions, weight 147 x 101.6 x 20 mm, 415 g</li> <li>Manufacturer's warranty: at least 36 months.</li> </ul>	2 buc.
4MP 25× Cameră PTZ panoramică de rețea cu lumină dublă inteligentă + Cameră PTZ SMART-LINKAGE și PANORAMIC A	<ul style="list-style-type: none"> <li>· 1/2.8" 4Megapixel STARVIS™ CMOS.</li> <li>· 25× optical zoom.</li> <li>· Starlight technology.</li> <li>· Max. 25/30 fps@2560 × 1440..</li> <li>· IR distance up to 200 m.</li> <li>· Auto-tracking.</li> <li>· Perimeter protection.</li> <li>· Face detection.</li> <li>· IP66.</li> <li>· Sound and light alarm.</li> <li>· 180° panoramic splicing.</li> </ul>	1 buc.
Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> <li>- smart motion detection and built-in AI chip</li> <li>· Red and blue flashlight alarm</li> </ul>	2 buc.
Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and</li> </ul>	9 buc.

elemente AI	<p>max. warm light is 50 m.</p> <ul style="list-style-type: none"> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> <li>· IP67, IK10 (optional) protection.</li> </ul> <p>- smart motion detection and built-in AI chip</p>	
Cameră de rețea Dom IR cu focal fixă de 4MP	<p>4MP IR Fixed-focal Dome Intellectual Network Camera</p> <ul style="list-style-type: none"> <li>&gt; 4 MP 1/2.9" CMOS image sensor, excellent low luminance performance and high definition of images.</li> <li>&gt; Outputs max. 4 MP (2688 × 1520) @25/30 fps.</li> <li>&gt; H.265 codec, high compression rate, ultra-low bit rate.</li> <li>&gt; Built-in IR LED, max. IR distance: 30 m.</li> <li>&gt; SMART H.264 +/H.265+, AI H.264/H.265. flexible coding, applicable to various bandwidth and storage environments.</li> <li>&gt; Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes</li> <li>&gt; Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human).</li> <li>&gt; Abnormality detection: Motion detection, privacy masking, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>&gt; Alarm: 1 in, 1 out; audio: 1 in, 1 out; max. 256 G Micro SD card. built-in Mic.</li> <li>&gt; 12 VDC/PoE power supply facilitates installation.</li> <li>&gt; IP67, IK10 protection.</li> </ul>	<b>1 buc.</b>
Cameră de rețea Eyeball IR de 5MP cu focală fixă	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<b>2 buc.</b>
Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<b>1 pcs.</b>
Switch desktop negestionat cu 10 porturi cu 8 porturi PoE	<p>10-Port Unmanaged Desktop Switch with 8-Port PoE</p> <ul style="list-style-type: none"> <li>&gt; Intelligent PoE</li> <li>&gt; 8-pin assignment PoE power supply</li> <li>&gt; Long distance PoE</li> <li>&gt; PoE watchdog</li> <li>&gt; Wide working temperature</li> </ul>	<b>1 buc.</b>

Router Wi-Fi	<p>High performance processor- at least: IPQ-4018 716 MHz, 4 cores  Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2  Antenna pattern width-360°  Connection interface- 1x micro-SIM for modem; 1x miniPCI-e  1 Wan-port, at least 1 Lan-port  RAM size - at least 128 MB  Storage size - at least 16 MB  Storage type FLASH  Operating temperature -30°C to 60°C</p>	<b>1 buc.</b>
Dulap de distribuție montată pe perete 600*400*200	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<b>2 buc.</b>
Dulap metalic de distribuție montat pe perete 650x500x220	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<b>1 buc.</b>
CamBox pentru Camera de rețea	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<b>2 buc.</b>
Protector de supratensiune 5 prize	Surge Protector 5 Sockets, 5.0m, flame-retardant material	<b>3 buc.</b>
Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<p>Radio-channel, intelligent concentrator-hub  The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console.  Shall support photo verification of alarms  Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m.  Installation type: Indoor  Connected devices - 200, Users - 200, Guard groups - 25  Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions  Support mobile applications iOS 11.0 and above / Android 4.4 and above  Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly / Switching between SIM cards Signal delivery time - no more than - 0.15 s  Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA  Power supply 110 - 240 V mains or 12 V  Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation  Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds  Operating temperature range -10°C to +40°C  Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway  Video surveillance: At least 9 cameras and video recorders</p>	<b>1 buc.</b>
Panou de control fără fir	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres  Security modes must be controlled by common and personal passwords, cards or key fobs  Must support: tamper on opening and tear-off, code on compulsion, protection against password selection.  Operating temperature range: -10°C to +40°C  Built-in battery: keeps working - up to 4.5 years  Warranty of at least 2 years.</p>	<b>2 buc.</b>
Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers.  It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters.  Must have at least 18 wired zones.  All 18 wired zones must be configured in the mobile application.  Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens. The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When</p>	<b>3 buc.</b>

	<p>the connection with a wired device is lost, a custom alarm will be reported immediately. Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications.</p> <p>Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	
POWER Baterie cu plumb acid 12V 7Ah	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>• Battery with efficient energy system to provide improved electrical flow.</li> <li>• Efficient power system to provide improved electrical flow.</li> <li>• Durability due to the higher resistance of the gratings to corrosion.</li> <li>• Created in accordance with international quality standards.</li> <li>• High starting power.</li> <li>• POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm)</li> <li>• Initial current: 2.10A MAX</li> <li>• Cycle use: 14,4-14,9V</li> <li>• Standby use: 13,6-13.8V</li> <li>• Weight 2.45kg .</li> <li>• Warranty at least 1 year</li> </ul>	<b>3 buc.</b>
Detector de spargere a sticlei cu imunitate la animale de companie	<p>Alarm contact and tamper switch Digital signal analysis Exceptional white light immunity Pet immunity up to 25 kg (55 lbs) Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets Separate PIR and glassbreak sensitivity adjustment independent relay outputs for glassbreak and PIR alarm signals</p>	<b>12 buc.</b>
Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	Suport detectors	<b>12 buc.</b>
Contacte magnetice - Magnetic Sensor	<p>Magnetic contacts for window and door use.</p> <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>5 buc.</b>
Semnalizator	<p style="text-align: center;">Blinker</p> <p>Flashing flashers belong to one of the varieties of special warning lights.</p>	<b>3 buc.</b>
Releu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>3 buc.</b>
Adaptor de alimentare 12V 2A	<p>12V 2A Power Adapter</p> <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>4 buc.</b>
Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>3 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>

Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050 W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs. - Linear-interactive technology with pure sine wave output voltage. - Microprocessor control - LCD display with a set of operation indicators - Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies - Automatic voltage regulator - Long autonomy time by connecting external 12V batteries - Improved battery management to extend battery life - Output short circuit and overload protection (circuit breaker) - Automatic charging of batteries when switched off USB communication port	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	Battery requirements •Mesh plate design: •Using special plates made using a mesh structure. •R+ technology: •PowerFrame Technology: •Durable materials: •Design with highly protective technology: •This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life.. • Voltage (V) 12 • Capacity (Ah) 100 • Starting current (A) 830 • Polarity R+ • Dimensions (mm) 353x175x190 • Ca/Ca technology • Maintenance Maintenance Free • Euro case format • Euro terminal thickness • Weight (kg) 21.9 • Warranty at least 2 year	<b>2 buc.</b>
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG). • The outer covering material is PE (Polyethylene). • Equipped with an additional self-supporting cable and two power conductors.	<b>950 m.</b>
Cablu UTP CAT5e	· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable · High-purity oxygen-free copper conductor · Customized PVC outer sheath; CE CPR Eca flame retardant class certified · 10-year warranty	<b>80 m.</b>
Cablu electric PVS	Electric cable PVS	<b>110 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>200 m.</b>
Cablu-canal 25x16x2000m m	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>80 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>660 m.</b>



Furtun metalic din PVC	PVC-insulated metal hose made of galvanised metal tape is designed for mechanical protection of electrical or data cables in pipe cable routing systems of high flexibility.	<b>240 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>3 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>5 buc.</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>4 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>234 km</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>
Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>

## 9. Sistemul de monitorizare paza tehnică filiala ”Criuleni Gaz”

### • Descrierea tehnica si echipamentul necesar

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	<b>1 buc.</b>

<p>Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB</p>	<p>The surveillance hard drive is optimized for DVRs and NVRs and tuned for 24x7 workloads in capacities up to 10TB. helps to minimize dropped frames and downtime with a workload rating 3× that of desktop drives while supporting up to 64 HD cameras. SATA 6Gb/s, 256MB cache memory, 10TB.</p>	<p><b>2 buc.</b></p>
<p>Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descărcare activă, de 4MP, cu elemente AI</p>	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> <li>- smart motion detection and built-in AI chip</li> <li>· Red and blue flashlight alarm</li> </ul>	<p><b>2 buc.</b></p>
<p>Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI</p>	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and max. warm light is 50 m.</li> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> <li>· IP67, IK10 (optional) protection.</li> <li>- smart motion detection and built-in AI chip</li> </ul>	<p><b>8 buc.</b></p>
<p>Cameră de rețea Eyeball IR de 5MP cu focală fixă</p>	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<p><b>6 buc.</b></p>

Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<b>1 buc.</b>
Router Wi-Fi	<p>High performance processor- at least: IPQ-4018 716 MHz, 4 cores  Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2  Antenna pattern width-360°  Connection interface- 1x micro-SIM for modem; 1x miniPCI-e  1 Wan-port, at least 1 Lan-port  RAM size - at least 128 MB  Storage size - at least 16 MB  Storage type FLASH  Operating temperature -30°C to 60°C</p>	<b>1 buc.</b>
CamBox pentru Camera de rețea	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<b>14 pcs..</b>
Protector de supratensiune 5 prize	Surge Protector 5 Sockets, 5.0m, flame-retardant material	<b>2 buc.</b>
Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate..	<p>Radio-channel, intelligent concentrator-hub  The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console.  Shall support photo verification of alarms  Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m.  Installation type: Indoor  Connected devices - 200, Users - 200, Guard groups - 25  Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions  Support mobile applications iOS 11.0 and above / Android 4.4 and above  Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly /  Switching between SIM cards Signal delivery time - no more than - 0.15 s  Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA  Power supply 110 - 240 V mains or 12 V  Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation  Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds  Operating temperature range -10°C to +40°C  Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway  Video surveillance: At least 9 cameras and video recorders</p>	<b>1 buc.</b>
Panou de control fără fir	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres  Security modes must be controlled by common and personal passwords, cards or key fobs  Must support: tamper on opening and tear-off, code on compulsion, protection against password selection.  Operating temperature range: -10°C to +40°C  Built-in battery: keeps working - up to 4.5 years  Warranty of at least 2 years.</p>	<b>2 buc.</b>
Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers.  It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters.  Must have at least 18 wired zones.  All 18 wired zones must be configured in the mobile application.  Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens. The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a</p>	<b>3 buc.</b>

	<p>power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When the connection with a wired device is lost, a custom alarm will be reported immediately.</p> <p>Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications.</p> <p>Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	
POWER Baterie cu plumb acid 12V 7Ah	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>• Battery with efficient energy system to provide improved electrical flow.</li> <li>• Efficient power system to provide improved electrical flow.</li> <li>• Durability due to the higher resistance of the gratings to corrosion.</li> <li>• Created in accordance with international quality standards.</li> <li>• High starting power.</li> </ul> <p>• POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm)</p> <ul style="list-style-type: none"> <li>• Initial current: 2.10A MAX</li> <li>• Cycle use: 14,4-14,9V</li> <li>• Standby use: 13,6-13.8V</li> <li>• Weight 2.45kg .</li> <li>• Warranty at least 1 year</li> </ul>	<b>3 buc.</b>
Detector de spargere a sticlei cu imunitate la animale de companie	<p>Alarm contact and tamper switch</p> <p>Digital signal analysis</p> <p>Exceptional white light immunity</p> <p>Pet immunity up to 25 kg (55 lbs)</p> <p>Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets</p> <p>Separate PIR and glassbreak sensitivity adjustment</p> <p>independent relay outputs for glassbreak and PIR alarm signals</p>	<b>32 buc.</b>
Support pentru detector de spargere a sticlei cu imunitate la animale de companie	Support detectors	<b>32 buc.</b>
Contacte magnetice - Magnetic Sensor	<p>Magnetic contacts for window and door use.</p> <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>4 buc.</b>
Dulap de distribuție montata pe perete 600*400*200	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<b>1 buc.</b>
Dulap metalic de distribuție montat pe perete 650x500x220	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<b>1 buc.</b>
Semnalizator	<p style="text-align: center;">Blinker</p> <p>Flashing flashers belong to one of the varieties of special warning lights.</p>	<b>2 buc.</b>
Relevu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>2 buc.</b>
Adaptor de alimentare 12V 2A	<p>12V 2A Power Adapter</p> <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>2 buc.</b>

Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>1 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>
Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050 W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs. - Linear-interactive technology with pure sine wave output voltage. - Microprocessor control - LCD display with a set of operation indicators - Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies - Automatic voltage regulator - Long autonomy time by connecting external 12V batteries - Improved battery management to extend battery life - Output short circuit and overload protection (circuit breaker) - Automatic charging of batteries when switched off USB communication port	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	Battery requirements •Mesh plate design: •Using special plates made using a mesh structure. •R+ technology: •PowerFrame Technology: •Durable materials: •Design with highly protective technology: •This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life.. • Voltage (V) 12 • Capacity (Ah) 100 • Starting current (A) 830 • Polarity R+ • Dimensions (mm) 353x175x190 • Ca/Ca technology • Maintenance Maintenance Free • Euro case format • Euro terminal thickness • Weight (kg) 21.9 • Warranty at least 2 year	<b>2 buc.</b>
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG). • The outer covering material is PE (Polyethylene). • Equipped with an additional self-supporting cable and two power conductors.	<b>140 m.</b>
Cablu UTP CAT5e	· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable · High-purity oxygen-free copper conductor · Customized PVC outer sheath; CE CPR Eca flame retardant class certified · 10-year warranty	<b>860 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>685 m.</b>
Cablu electric PVS	Electric cable PVS	<b>20 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>100 m.</b>

Cablu-canal 25x16x2000m m	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>70 m.</b>
Furtun metalic din PVC	PVC-insulated metal hose made of galvanised metal tape is designed for mechanical protection of electrical or data cables in pipe cable routing systems of high flexibility.	<b>55 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>2 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>4 buc.</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>2 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>240 km</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>
Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>

## 10. Sistemul de monitorizare pază tehnică filială ”Strășeni Gaz”

### • Descriere tehnică și echipament necesar

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	<b>1 buc.</b>

<p>Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB</p>	<p>The surveillance hard drive is optimized for DVRs and NVRs and tuned for 24x7 workloads in capacities up to 10TB. helps to minimize dropped frames and downtime with a workload rating 3× that of desktop drives while supporting up to 64 HD cameras. SATA 6Gb/s, 256MB cache memory, 10TB.</p>	<p><b>1 buc.</b></p>
<p>Cameră video IP PTZ de exterior 2MP cu elemente AI</p>	<p>Outdoor dome PTZ IP video camera 2MP with AI elements  1/2.8" CMOS;  motorized lens 5.0~80mm (16x);  mechanical IR filter;  WDR(120dB);  sensitivity 0.005lx(color)@F1.6;  compression: H.265+, H.265, H.264+, H.264, MJPEG;  3 streams up to 2MP@25fps;  video analytics: - smart motion detection and built-in AI chip;  perimeter security, face detector;  IR illumination up to 100m;  alarm input/output: 2/1;  audio in/out: 1/1;  MicroSD up to 512GB;  protection: IP66, lightning protection 6kV;  power supply: 12V(DC), PoE+</p>	<p><b>1 buc.</b></p>
<p>Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descărcare activă, de 4MP, cu elemente AI</p>	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> <li>- smart motion detection and built-in AI chip</li> <li>· Red and blue flashlight alarm</li> </ul>	<p><b>2 buc.</b></p>
<p>Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI</p>	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and max. warm light is 50 m.</li> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> </ul>	<p><b>4 buc.</b></p>

	<ul style="list-style-type: none"> <li>· IP67, IK10 (optional) protection.</li> <li>- smart motion detection and built-in AI chip</li> </ul>	
<p>Camera de rețea Eyeball IR de 5MP cu focală fixă</p>	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<b>3 buc.</b>
<p>Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi</p>	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<b>2 buc.</b>
<p>Router Wi-Fi</p>	<p>High performance processor- at least: IPQ-4018 716 MHz, 4 cores Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2 Antenna pattern width-360° Connection interface- 1x micro-SIM for modem; 1x miniPCI-e 1 Wan-port, at least 1 Lan-port RAM size - at least 128 MB Storage size - at least 16 MB Storage type FLASH Operating temperature -30°C to 60°C</p>	<b>1 buc.</b>
<p>CamBox pentru Camera de rețea</p>	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<b>11 buc.</b>
<p>CamBox pentru Camera de rețea</p>	<ul style="list-style-type: none"> <li>• Material: SECC &amp; SUS304</li> <li>• Pole mount bracket</li> <li>• Aesthetic design</li> <li>• Load Bearing 10.0kg</li> </ul>	<b>1 buc.</b>
<p>Protector de supratensiune 5 prize</p>	<p>Surge Protector 5 Sockets, 5.0m, flame-retardant material</p>	<b>3 buc.</b>
<p>Canal radio inteligent hub- HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.</p>	<p>Radio-channel, intelligent concentrator-hub The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console. Shall support photo verification of alarms Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m. Installation type: Indoor Connected devices - 200, Users - 200, Guard groups - 25 Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions Support mobile applications iOS 11.0 and above / Android 4.4 and above Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly / Switching between SIM cards Signal delivery time - no more than - 0.15 s Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA Power supply 110 - 240 V mains or 12 V Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds</p>	<b>1 buc.</b>



	<p>Operating temperature range -10°C to +40°C  Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway  Video surveillance: At least 9 cameras and video recorders</p>	
Panou de control fără fir	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres  Security modes must be controlled by common and personal passwords, cards or key fobs  Must support: tamper on opening and tear-off, code on compulsion, protection against password selection.  Operating temperature range: -10°C to +40°C  Built-in battery: keeps working - up to 4.5 years  Warranty of at least 2 years.</p>	<b>1 buc.</b>
Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers. It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters. Must have at least 18 wired zones.  All 18 wired zones must be configured in the mobile application.  Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens. The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When the connection with a wired device is lost, a custom alarm will be reported immediately.  Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications.  Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	<b>3 buc.</b>
POWER Baterie cu plumb acid 12V 7Ah	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>• Battery with efficient energy system to provide improved electrical flow.</li> <li>• Efficient power system to provide improved electrical flow.</li> <li>• Durability due to the higher resistance of the gratings to corrosion.</li> <li>• Created in accordance with international quality standards.</li> <li>• High starting power.</li> <li>• POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm)</li> <li>• Initial current: 2.10A MAX</li> <li>• Cycle use: 14,4-14,9V</li> <li>• Standby use: 13,6-13.8V</li> <li>• Weight 2.45kg .</li> <li>• Warranty at least 1 year</li> </ul>	<b>3 buc.</b>
Detector de spargere a sticlei cu imunitate la animale de companie	<p>Alarm contact and tamper switch  Digital signal analysis  Exceptional white light immunity  Pet immunity up to 25 kg (55 lbs)  Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets  Separate PIR and glassbreak sensitivity adjustment  independent relay outputs for glassbreak and PIR alarm signals</p>	<b>31 buc.</b>
Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	<p>Suport detectors</p>	<b>31 buc.</b>
Contacte magnetice - Magnetic Sensor	<p>Magnetic contacts for window and door use.</p> <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>11 buc.</b>

Dulap de distribuție montată pe perete 600*400*200	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<b>2 buc.</b>
Dulap metalic de distribuție montat pe perete 650x500x220	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<b>1 buc.</b>
Semnalizator	Blinker Flashing flashers belong to one of the varieties of special warning lights.	<b>2 buc.</b>
Relevu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>3 buc.</b>
Adaptor de alimentare 12V 2A	12V 2A Power Adapter <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>3 buc.</b>
Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>3 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>
Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050 W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	<p>Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs.</p> <ul style="list-style-type: none"> <li>- Linear-interactive technology with pure sine wave output voltage.</li> <li>- Microprocessor control</li> <li>- LCD display with a set of operation indicators</li> <li>- Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies</li> <li>- Automatic voltage regulator</li> <li>- Long autonomy time by connecting external 12V batteries</li> <li>- Improved battery management to extend battery life</li> <li>- Output short circuit and overload protection (circuit breaker)</li> <li>- Automatic charging of batteries when switched off</li> </ul> <p>USB communication port</p>	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>•Mesh plate design:</li> <li>•Using special plates made using a mesh structure.</li> <li>•R+ technology:</li> <li>•PowerFrame Technology:</li> <li>•Durable materials:</li> <li>•Design with highly protective technology:</li> <li>•This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life..</li> <li>• Voltage (V) 12</li> <li>• Capacity (Ah) 100</li> <li>• Starting current (A) 830</li> <li>• Polarity R+</li> <li>• Dimensions (mm) 353x175x190</li> <li>• Ca/Ca technology</li> </ul>	<b>2 buc.</b>

	<ul style="list-style-type: none"> <li>• Maintenance Maintenance Free</li> <li>• Euro case format</li> <li>• Euro terminal thickness</li> <li>• Weight (kg) 21.9</li> <li>• Warranty at least 2 year</li> </ul>	
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<ul style="list-style-type: none"> <li>• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG).</li> <li>• The outer covering material is PE (Polyethylene).</li> <li>• Equipped with an additional self-supporting cable and two power conductors.</li> </ul>	<b>200 m.</b>
Cablu UTP CAT5e	<ul style="list-style-type: none"> <li>· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable</li> <li>· High-purity oxygen-free copper conductor</li> <li>· Customized PVC outer sheath; CE CPR Eca flame retardant class certified</li> <li>· 10-year warranty</li> </ul>	<b>630 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>932 m.</b>
Cablu electric PVS	Electric cable PVS	<b>150 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>90 m.</b>
Cablu-canal 25x16x2000m m	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>140 m.</b>
Furtun metalic din PVC	PVC-insulated metal hose made of galvanised metal tape is designed for mechanical protection of electrical or data cables in pipe cable routing systems of high flexibility.	<b>90 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>3 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>3 buc.</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>3 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>180 km.</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere video	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>

Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>
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## 11. Sistemul de monitorizare paza tehnica filiala "Ialoveni Gaz"

### • Descriere tehnică și echipament necesar

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	<b>1 buc.</b>
Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	The surveillance hard drive is optimized for DVRs and NVRs and tuned for 24x7 workloads in capacities up to 10TB. helps to minimize dropped frames and downtime with a workload rating 3× that of desktop drives while supporting up to 64 HD cameras. SATA 6Gb/s, 256MB cache memory, 10TB.	<b>2 buc.</b>
4MP 25× Cameră PTZ panoramică de rețea cu lumină dublă inteligentă + Cameră PTZ SMART-LINKAGE și PANORAMIC A	<ul style="list-style-type: none"> <li>· 1/2.8" 4Megapixel STARVIS™ CMOS.</li> <li>· 25× optical zoom.</li> <li>· Starlight technology.</li> <li>· Max. 25/30 fps@2560 × 1440..</li> <li>· IR distance up to 200 m.</li> <li>· Auto-tracking.</li> <li>· Perimeter protection.</li> <li>· Face detection.</li> <li>· IP66.</li> <li>· Sound and light alarm.</li> <li>· 180° panoramic splicing.</li> </ul>	<b>1 buc.</b>
Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7" CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> </ul>	<b>6 buc.</b>

	<ul style="list-style-type: none"> <li>- smart motion detection and built-in AI chip</li> <li>· Red and blue flashlight alarm</li> </ul>	
<p>Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI</p>	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and max. warm light is 50 m.</li> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> <li>· IP67, IK10 (optional) protection.</li> <li>- smart motion detection and built-in AI chip</li> </ul>	<b>16 buc.</b>
<p>Cameră de rețea Eyeball IR de 5MP cu focală fixă</p>	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<b>3 buc.</b>
<p>Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi</p>	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<b>1 buc.</b>
<p>Switch FE PoE+ 16 porturi Gigabit Combo PoE</p>	<ul style="list-style-type: none"> <li>· Compliant IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3x standards</li> <li>· Supports IEEE802.3af, IEEE802.3at, Hi-PoE standards</li> <li>· Supports normal working mode, port isolation (VLAN) mode, monitoring mode, network extend mode.</li> <li>· Supports Store-and-Forward</li> <li>· 16*10/100Mbps ports, 1*Gigabit Combo port, support port auto flipping (Auto MDI / MDIX)</li> <li>· Port 1-2 support the maximum power of 60W, PoE output total power up to 135W</li> <li>· Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode</li> <li>· 4K entry MAC address table with auto-learning and auto-aging</li> <li>· LED indicators for monitoring power, link and activity</li> </ul>	<b>1 buc.</b>

Switch desktop gestionat cu 10 porturi cu 8 porturi PoE	10-Port Unmanaged Desktop Switch with 8-Port PoE > Intelligent PoE > 8-pin assignment PoE power supply > Long distance PoE > PoE watchdog > Wide working temperature	<b>1 buc.</b>
Router Wi-Fi	High performance processor- at least: IPQ-4018 716 MHz, 4 cores Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2 Antenna pattern width-360° Connection interface- 1x micro-SIM for modem; 1x miniPCI-e 1 Wan-port, at least 1 Lan-port RAM size - at least 128 MB Storage size - at least 16 MB Storage type FLASH Operating temperature -30°C to 60°C	<b>1 buc.</b>
Dulap de distribuție montat pe perete 600*400*200	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<b>3 buc.</b>
Dulap metalic de distribuție montat pe perete 650x500x220	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<b>1 buc.</b>
CamBox pentru Camera de rețea	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<b>30 buc.</b>
CamBox pentru Camera de rețea	<ul style="list-style-type: none"> <li>• Material: SECC &amp; SUS304</li> <li>• Pole mount bracket</li> <li>• Aesthetic design</li> <li>• Load Bearing 10.0kg</li> </ul>	<b>1 buc.</b>
Protector de supratensiune 5 prize	Surge Protector 5 Sockets, 5.0m, flame-retardant material	<b>4 buc.</b>
Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.	<p>Radio-channel, intelligent concentrator-hub The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console. Shall support photo verification of alarms Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m. Installation type: Indoor Connected devices - 200, Users - 200, Guard groups - 25 Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions Support mobile applications iOS 11.0 and above / Android 4.4 and above Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly / Switching between SIM cards Signal delivery time - no more than - 0.15 s Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA Power supply 110 - 240 V mains or 12 V Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds Operating temperature range -10°C to +40°C Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway Video surveillance: At least 9 cameras and video recorders</p>	<b>1 buc.</b>

<p>Repetitor de semnal radio pentru sistem de securitate.</p>	<p>Security system radio signal repeater. For a security alarm system with support for photo verification of alarms. Must work with MotionCam and MotionCam Outdoor motion sensors. Supported by Hubs. Wireless. Installation method Indoors. Compatibility Works with all Hubs. Power supply 110 - 240 V from the mains or 12 V from 12V. Built-in backup battery Li-Ion 2 Ah. Dimensions 163 x 163 x 36 mm. Weight 330 g. Operating temperature range From -10°C to +40°C. Warranty 2 years.</p>	<p><b>1 buc.</b></p>
<p>Panou de control fără fir</p>	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres Security modes must be controlled by common and personal passwords, cards or key fobs Must support: tamper on opening and tear-off, code on compulsion, protection against password selection. Operating temperature range: -10°C to +40°C Built-in battery: keeps working - up to 4.5 years Warranty of at least 2 years.</p>	<p><b>2 buc.</b></p>
<p>Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate</p>	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers. It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters. Must have at least 18 wired zones. All 18 wired zones must be configured in the mobile application. Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens. The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When the connection with a wired device is lost, a custom alarm will be reported immediately. Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications. Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	<p><b>6 buc.</b></p>
<p>POWER Baterie cu plumb acid 12V 7Ah</p>	<p>Battery requirements • Battery with efficient energy system to provide improved electrical flow. • Efficient power system to provide improved electrical flow. • Durability due to the higher resistance of the gratings to corrosion. • Created in accordance with international quality standards. • High starting power. • POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm) • Initial current: 2.10A MAX • Cycle use: 14,4-14,9V • Standby use: 13,6-13.8V • Weight 2.45kg . • Warranty at least 1 year</p>	<p><b>6 buc.</b></p>
<p>Detector de spargere a sticlei cu imunitate la animale de companie</p>	<p>Alarm contact and tamper switch Digital signal analysis Exceptional white light immunity Pet immunity up to 25 kg (55 lbs) Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets Separate PIR and glassbreak sensitivity adjustment independent relay outputs for glassbreak and PIR alarm signals</p>	<p><b>56 buc.</b></p>
<p>Support pentru detector de spargere a sticlei cu imunitate la animale de</p>	<p>Support detectors</p>	<p><b>56 buc.</b></p>

companie		
Contacte magnetice - Magnetic Sensor	Magnetic contacts for window and door use. <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>18 buc.</b>
Semnalizator	Blinker Flashing flashers belong to one of the varieties of special warning lights.	<b>5 buc.</b>
Releu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>5 buc.</b>
Adaptor de alimentare 12V 2A	12V 2A Power Adapter <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>5 buc.</b>
Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>3 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>
Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050 W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs. <ul style="list-style-type: none"> <li>- Linear-interactive technology with pure sine wave output voltage.</li> <li>- Microprocessor control</li> <li>- LCD display with a set of operation indicators</li> <li>- Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies</li> <li>- Automatic voltage regulator</li> <li>- Long autonomy time by connecting external 12V batteries</li> <li>- Improved battery management to extend battery life</li> <li>- Output short circuit and overload protection (circuit breaker)</li> <li>- Automatic charging of batteries when switched off</li> </ul> USB communication port	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	Battery requirements <ul style="list-style-type: none"> <li>•Mesh plate design: <ul style="list-style-type: none"> <li>•Using special plates made using a mesh structure.</li> </ul> </li> <li>•R+ technology: <ul style="list-style-type: none"> <li>•PowerFrame Technology:</li> </ul> </li> <li>•Durable materials: <ul style="list-style-type: none"> <li>•Design with highly protective technology: <ul style="list-style-type: none"> <li>•This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life..</li> </ul> </li> </ul> </li> <li>• Voltage (V) 12</li> <li>• Capacity (Ah) 100</li> <li>• Starting current (A) 830</li> <li>• Polarity R+</li> <li>• Dimensions (mm) 353x175x190</li> <li>• Ca/Ca technology</li> <li>• Maintenance Maintenance Free</li> <li>• Euro case format</li> </ul>	<b>2 buc.</b>



	<ul style="list-style-type: none"> <li>• Euro terminal thickness</li> <li>• Weight (kg) 21.9</li> <li>• Warranty at least 2 year</li> </ul>	
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<ul style="list-style-type: none"> <li>• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG).</li> <li>• The outer covering material is PE (Polyethylene).</li> <li>• Equipped with an additional self-supporting cable and two power conductors.</li> </ul>	<b>940 m.</b>
Cablu UTP CAT5e	<ul style="list-style-type: none"> <li>· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable</li> <li>· High-purity oxygen-free copper conductor</li> <li>· Customized PVC outer sheath; CE CPR Eca flame retardant class certified</li> <li>· 10-year warranty</li> </ul>	<b>840 m.</b>
Cablu electric PVS	Electric cable PVS	<b>200 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>150 m.</b>
Cablu-canal 25x16x2000m m	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>200 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>2 085 m.</b>
Furtun metalic din PVC	<p>Requirements for metal hose</p> <ul style="list-style-type: none"> <li>• Must be in PVC (polyvinyl chloride) insulation with a broach (probe).</li> <li>• made of galvanized metal tape, designed for mechanical protection of electrical or information cables in highly flexible cable laying pipe systems.</li> <li>• Must withstand temperatures from -40 to +50 degrees Celsius</li> <li>• Protection degree IP65</li> <li>• UV resistance</li> </ul>	<b>300 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>4 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>12 buc.</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>5 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>81 km.</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de supraveghere	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>

video		
Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>

## 12. Sistemul de monitorizare pază tehnică filială ”Dubăsari Coșnița Gaz”

### • Descriere tehnică și echipament necesar

Denumirea	Descrierea	Cantitatea
32 de canale, 2 HDD, înregistrare video de rețea cu elemente AI cu detectare inteligentă a mișcării și cip AI încorporat	<ul style="list-style-type: none"> <li>· Smart H.265+/H.265/Smart H.264+/H.264/MJPEG decoding format.</li> <li>· Access, storage or forwarding at 256 Mbps (180 Mbps when AI function enabled).</li> <li>· Max. decoding capability: 16 × 1080p@30 fps. Supports adaptive decoding.</li> <li>· AI by NVR: 1-channel face detection and recognition; 2-channel perimeter protection; up to 10 face databases and 20,000 face images; 4-channel with smart motion detection and built-in AI chip.</li> <li>· AI by Camera: Face detection and recognition, perimeter protection; smart motion detection and built-in AI chip; people counting; stereo analysis; heat map.</li> <li>· Connected to the third-party network cameras.</li> <li>· Security baseline 2.3.</li> </ul>	<b>1 buc.</b>
Hard disk-ul de supraveghere este optimizat pentru DVR-uri și NVR-uri și reglat pentru sarcini de lucru 24x7, cu capacități de până la 10 TB	The surveillance hard drive is optimized for DVRs and NVRs and tuned for 24x7 workloads in capacities up to 10TB. helps to minimize dropped frames and downtime with a workload rating 3× that of desktop drives while supporting up to 64 HD cameras. SATA 6Gb/s, 256MB cache memory, 10TB.	<b>1 buc.</b>
Cameră de rețea intelectuală Bullet cu focalizare fixă, cu descurajare activă, de 4MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 4MP, 1/2.7” CMOS image sensor, low illuminance, high image definition</li> <li>· Outputs max. 4MP (2688 × 1520) @30 fps</li> <li>· H.265 codec, high compression rate, low bit rate</li> <li>· Built-in warm illuminator, and the max. illumination distance: 40 m</li> <li>· SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments</li> <li>· Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)</li> <li>· Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Supports sound and light alarm linkage. When an alarm is triggered, the camera links sound alarm and light flashing.</li> <li>· Supports one-tap disarming. You can disarm the events of alarm output, sending email, audio, and light in the configured period.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic and speaker</li> <li>· 12V DC/PoE power supply</li> <li>· IP67 protection</li> <li>· SMD Plus</li> <li>· Red and blue flashlight alarm</li> </ul>	<b>2 buc.</b>
Cameră de rețea intelectuală Bullet Smart Dual Light, cu focală fixă, de 5 MP, cu elemente AI	<ul style="list-style-type: none"> <li>· 5-MP 1/2.7” CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5 MP (2960 × 1668) @20 fps, and supports 2688×1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, ultra-low bit rate.</li> <li>· Built-in warm light and IR LED, the max. IR light distance is 60 m and max. warm light is 50 m.</li> <li>· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable</li> </ul>	<b>8 buc.</b>

	<p>to various monitoring scenes.</p> <ul style="list-style-type: none"> <li>· Intelligent monitoring: Intrusion, tripwire (the two functions support the classification and accurate detection of vehicle and human).</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection.</li> <li>· Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card; built in MIC.</li> <li>· 12 VDC/PoE power supply, easy for installation.</li> <li>· IP67, IK10 (optional) protection.</li> <li>· SMD Plus.</li> </ul>	
<p>Cameră de rețea Eyeball IR de 5MP cu focală fixă</p>	<ul style="list-style-type: none"> <li>· 5MP 1/2.7" CMOS image sensor, low luminance, and high definition image.</li> <li>· Outputs max. 5MP (2880 × 1620) @20 fps and supports 2688 × 1520 (2688 × 1520) @25/30 fps.</li> <li>· H.265 codec, high compression rate, and ultra-low bit rate.</li> <li>· Built-in IR LED, and the max. illumination distance is 30 m.</li> <li>· ROI, SMART H.264 +/H.265+, flexible coding, applicable to various bandwidth and storage environments.</li> <li>· Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.</li> <li>· Abnormality detection: Motion detection, video tampering, audio detection, network disconnection, IP conflict, and illegal access.</li> <li>· Built-in MIC.</li> <li>· 12 V DC/PoE power supply.</li> <li>· IP67 protection.</li> </ul>	<p><b>3 buc.</b></p>
<p>Switch PoE administrat Gigabit cu 16 porturi 100 Mbps + 2 porturi</p>	<ul style="list-style-type: none"> <li>• Intelligent PoE</li> <li>• Hi-PoE port supports 90W IEEE802.3bt</li> <li>• Web management with friendly interface and easy operation</li> <li>• 250 m long distance PoE transmission</li> <li>• PoE watchdog</li> <li>• Plug and play</li> <li>• Manufacturer's warranty: 36 months</li> </ul>	<p><b>1 buc.</b></p>
<p>Router Wi-Fi</p>	<p>High performance processor- at least: IPQ-4018 716 MHz, 4 cores  Radio Interface-2.4 GHz 802.11b/g/n, MIMO 2x2; 5 GHz 802.11a/n/ac, MIMO 2x2  Antenna pattern width-360°  Connection interface- 1x micro-SIM for modem; 1x miniPCI-e  1 Wan-port, at least 1 Lan-port  RAM size - at least 128 MB  Storage size - at least 16 MB  Storage type FLASH  Operating temperature -30°C to 60°C</p>	<p><b>1 buc.</b></p>
<p>Dulap de distribuție montată pe perete 600*400*200</p>	<ul style="list-style-type: none"> <li>• Plastic case, wall-mounted.</li> <li>• IP66 protection.</li> <li>• The case door is lockable.</li> </ul>	<p><b>1 buc.</b></p>
<p>Dulap metalic de distribuție montat pe perete 650x500x220</p>	<ul style="list-style-type: none"> <li>- Distribution cabinet. Robust enclosure for use in adverse weather and industrial environments.</li> <li>- Metal enclosure with removable mounting plate. The enclosure door is lockable. The lock key has a single secret.</li> </ul>	<p><b>1 buc.</b></p>
<p>CamBox pentru Camera de rețea</p>	<ul style="list-style-type: none"> <li>• Neat &amp; Integrated design</li> <li>• Material: Aluminum</li> <li>• IP66 junction box</li> </ul>	<p><b>11 buc.</b></p>
<p>Protector de supratensiune 5 prize</p>	<p>Surge Protector 5 Sockets, 5.0m, flame-retardant material</p>	<p><b>2 buc.</b></p>
<p>Canal radio inteligent hub-HAB. Monitorizează funcționarea senzorilor și releelor radio și</p>	<p>Radio-channel, intelligent concentrator-hub  The device must support motion, breakage, door status and other types of simple and combined sensors and instantly sends an alarm signal to the owner and the security console.  Shall support photo verification of alarms  Classification: Radio channel concentrator with GSM and Ethernet modules, Wi-Fi, LTE with a range of at least 1700m.  Installation type: Indoor</p>	<p><b>1 buc.</b></p>

<p>trimite instantaneu un semnal de alarmă proprietarului și biroului de securitate.</p>	<p>Connected devices - 200, Users - 200, Guard groups - 25  Must support the connection of radio signal repeaters - to increase the range of operation in difficult conditions  Support mobile applications iOS 11.0 and above / Android 4.4 and above  Communication channels - at least 2 SIM cards 2G (900/1800 MHz) / 3G (WCDMA 900/2100 (B8/B1) / Wi-Fi 2.4 GHz (802.11 b/g/n) / Ethernet Switching between 2G and 3G Instantly / Switching between SIM cards Signal delivery time - no more than - 0.15 s  Types of notifications - SMS, call, push / Communication with security console Contact ID, SIA  Power supply 110 - 240 V mains or 12 V  Built-in backup battery Li-Ion 2 Ah, at least 14 hours of autonomous operation  Power consumption from mains - up to 10 W Operating frequencies - 868.0 - 868.6 MHz, Two-way communication between devices Sensor polling period - 12-300 seconds  Operating temperature range -10°C to +40°C  Anti-sabotage / Anti-tampering / Jamming alert / Tamper on opening and breakaway  Video surveillance: At least 9 cameras and video recorders</p>	
<p>Panou de control fără fir</p>	<p>Wireless keypad with support for secure proximity cards and key fobs. Range of at least 700 metres  Security modes must be controlled by common and personal passwords, cards or key fobs  Must support: tamper on opening and tear-off, code on compulsion, protection against password selection.  Operating temperature range: -10°C to +40°C  Built-in battery: keeps working - up to 4.5 years  Warranty of at least 2 years.</p>	<p><b>2 buc.</b></p>
<p>Modul de integrare fără fir pentru conectarea senzorilor cu fir și a dispozitivelor terțe la sistemul de securitate</p>	<p>The wireless radio module, integration and alarm module, must be integrated with outdoor or indoor vibration, motion, glass break, opening detectors, thermal relays, IR barriers, gas and water leakage sensors, as well as with other security system devices from different manufacturers. It must transmit signals to the hub via radio protocol over a distance of up to 2000 meters. Must have at least 18 wired zones.  All 18 wired zones must be configured in the mobile application.  Sensors connected to zones can operate around the clock in security mode with a delay for entry or exit, and, if necessary, participate in automation scenarios and activate sirens. The maximum length of the detector cable connection is at least 350 m. The radio integration module can be a power source for the connected device - 12 V DC up to 1 A for all detector power outputs. When the connection with a wired device is lost, a custom alarm will be reported immediately.  Configuration and testing of the wireless integration module should take place in the mobile application. Connection to the security system is carried out after scanning the QR code on the device body. When connecting wired devices, you do not need to know the value of the resistors. If the device was connected incorrectly, the security system should warn about the error. All notifications and alarms are sent to the alarm owner's mobile phone via SMS messages or push notifications.  Five types of alarms must be provided: fire alarm, gas alarm, intrusion, emergency, panic button. The alarm type can be configured for each wired device. This information is indicated in the alarm notification and is also sent to the security company's control panel under a code. This increases the information content of messages, since the user will know exactly where and what happened.</p>	<p><b>2 buc.</b></p>
<p>POWER Baterie cu plumb acid 12V 7Ah</p>	<p>Battery requirements</p> <ul style="list-style-type: none"> <li>• Battery with efficient energy system to provide improved electrical flow.</li> <li>• Efficient power system to provide improved electrical flow.</li> <li>• Durability due to the higher resistance of the gratings to corrosion.</li> <li>• Created in accordance with international quality standards.</li> <li>• High starting power.</li> <li>• POWER Baterie cu plumb acid 12V 7Ah (Wx151mm Hx100mm Dx65mm)</li> <li>• Initial current: 2.10A MAX</li> <li>• Cycle use: 14,4-14,9V</li> <li>• Standby use: 13,6-13.8V</li> <li>• Weight 2.45kg .</li> <li>• Warranty at least 1 year</li> </ul>	<p><b>2 buc.</b></p>
<p>Detector de spargere a sticlei cu imunitate la animale de companie</p>	<p>Alarm contact and tamper switch  Digital signal analysis  Exceptional white light immunity  Pet immunity up to 25 kg (55 lbs)  Technology for sharp analysis of body dimensions and differentiation from backgrounds and pets  Separate PIR and glassbreak sensitivity adjustment  independent relay outputs for glassbreak and PIR alarm signals</p>	<p><b>17 buc.</b></p>

Suport pentru detector de spargere a sticlei cu imunitate la animale de companie	Suport detectors	<b>17 buc.</b>
Contacte magnetice - Magnetic Sensor	Magnetic contacts for window and door use. <ul style="list-style-type: none"> <li>• Surface mounting with screws or twin adhesive tape</li> <li>• N/O for closed loop systems</li> <li>• Contact distance – up to 20-25mm</li> <li>• Lead wires length – 400mm</li> </ul>	<b>3 buc.</b>
Semnalizator	Blinker Flashing flashers belong to one of the varieties of special warning lights.	<b>1 buc.</b>
Releu fără fir	Low current remote control relay with dry contacts. Operates in pulse and bistable modes.	<b>1 buc.</b>
Adaptor de alimentare 12V 2A	12V 2A Power Adapter <ul style="list-style-type: none"> <li>• Easy installation</li> <li>• With indicator light working</li> <li>• Support -30°C~+70°C wide-range temperature operation, and the full load efficiency of the power supply can be up to 100% at these temperatures</li> <li>• Accurate overcurrent, overvoltage protection</li> <li>• Fully Meets ERP.COMMISSION REGULATION (EU)2019/1782 Requirement</li> </ul>	<b>2 buc.</b>
Controler de canal radio pentru controlul de la distanță a aparatelor electrice conectate	Radio channel controller for remote control of household appliances. Used for switching on and off irons, garage doors, water heaters.	<b>2 buc.</b>
Difuzor exterior	Weatherproof outdoor speaker	<b>1 buc.</b>
Mini amplificator de sunet - cu două canale	Mini sound amplifier - two-channel	<b>1 buc.</b>
Sursă de alimentare neîntreruptibilă, interactivă în linie. UPS 1500VA/1050 W, 24Vdc, 15A cur. de încărcare max., Doar baterie externă, 2*Schuko Sock	Uninterruptible power supply, line-interactive Intelligent UPS with pure sine wave designed to work with external high-capacity batteries or external battery packs. <ul style="list-style-type: none"> <li>- Linear-interactive technology with pure sine wave output voltage.</li> <li>- Microprocessor control</li> <li>- LCD display with a set of operation indicators</li> <li>- Sinusoidal output waveform in all operating modes - allows connection of equipment with pulse and transformer (inductive load) power supplies</li> <li>- Automatic voltage regulator</li> <li>- Long autonomy time by connecting external 12V batteries</li> <li>- Improved battery management to extend battery life</li> <li>- Output short circuit and overload protection (circuit breaker)</li> <li>- Automatic charging of batteries when switched off</li> </ul> USB communication port	<b>1 buc.</b>
Baterie 12V 100Ah 830A (R+)	Battery requirements <ul style="list-style-type: none"> <li>•Mesh plate design:</li> <li>•Using special plates made using a mesh structure.</li> <li>•R+ technology:</li> <li>•PowerFrame Technology:</li> <li>•Durable materials:</li> <li>•Design with highly protective technology:</li> <li>•This battery must be designed to minimize the risk of acid leakage, ensuring safety and extending battery life..</li> <li>• Voltage (V) 12</li> <li>• Capacity (Ah) 100</li> <li>• Starting current (A) 830</li> <li>• Polarity R+</li> <li>• Dimensions (mm) 353x175x190</li> </ul>	<b>2 buc.</b>

	<ul style="list-style-type: none"> <li>• Ca/Ca technology</li> <li>• Maintenance Maintenance Free</li> <li>• Euro case format</li> <li>• Euro terminal thickness</li> <li>• Weight (kg) 21.9</li> <li>• Warranty at least 2 year</li> </ul>	
FTP CAT 5e 4*2*24 AWG outdoor + cable + power supply	<ul style="list-style-type: none"> <li>• Shielded twisted pair with a conductor made of high-purity oxygen-free copper with a diameter of 0.51 mm (24 AWG).</li> <li>• The outer covering material is PE (Polyethylene).</li> <li>• Equipped with an additional self-supporting cable and two power conductors.</li> </ul>	<b>290 m.</b>
Cablu UTP CAT5e	<ul style="list-style-type: none"> <li>· 305 m (1000 ft)/carton UTP CAT5e, power over Ethernet, compatible with one cable</li> <li>· High-purity oxygen-free copper conductor</li> <li>· Customized PVC outer sheath; CE CPR Eca flame retardant class certified</li> <li>· 10-year warranty</li> </ul>	<b>80 m.</b>
Cablu electric PVS	Electric cable PVS	<b>30 m.</b>
Cablu SVVP 2*0,75	SHVVP wire is a flat and flexible electrical cable coated with PVC plasticate.	<b>30 m.</b>
Cablu-canal 25x16x2000m m	Plastic channel: size 25x16mm. Cut length 2 metres.	<b>26 m.</b>
Cablu Alarm 6 CU Italy	6*0,22 stranded, screen. Must comply with European Directive 2002/95/CE RoHS.	<b>530 m.</b>
Furtun metalic din PVC	PVC-insulated metal hose made of galvanised metal tape is designed for mechanical protection of electrical or data cables in pipe cable routing systems of high flexibility.	<b>75 m.</b>
Priza 220V	• Double surface-mounted socket with grounding, 220V (250V), 16A, 50 Hz, IP20.	<b>2 buc.</b>
CUTIE DE DISTR. IP65 150*150*70A	DISTRIBUTION BOX IP65 150*150*70A	<b>3 pcs..</b>
Kit de montare MEDIU	Mounting kit includes dowels, screws, nuts, washers, ties, duct tape.	<b>2 buc.</b>
Costuri de transport	Costurile de deplasare la site-ul proiectului clientului.	<b>234 km.</b>
Instalarea rețelelor de cablu	Lucrări la pozarea rețelelor de cabluri, a aparatelor de distribuție și a elementelor de iluminat.	<b>1 serv.</b>
Instalarea echipamentului de sistem	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Instalarea echipamentelor sistemului de securitate	- Instalarea profesională a echipamentelor conform cerințelor proiectării sistemului.	<b>1 serv.</b>
Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de securitate	- Lucrări la punerea în funcțiune și punerea în funcțiune a sistemului de Securitate.	<b>1 serv.</b>
Lucrări la pornirea și punerea în funcțiune a sistemului de	- Verificarea liniilor de conectare, pornirea și monitorizarea performanței dispozitivului, testarea, reglarea și asigurarea funcționării în comun interconectate a proiectării sistemului video preconizat.	<b>1 serv.</b>

supraveghere video		
Configurarea analizei sistemului de supraveghere video	- Programarea echipamentelor cu instalarea setărilor și scenariilor necesare pentru adaptarea sistemului video la nevoile utilizatorului în vederea creșterii eficienței funcționării	<b>1 serv.</b>