

#	Type	Quantity			
		Criva BCP	Otaci BCP	Palanka BCP	TOTAL
Equipment					
1	HDD storage (storage and server must be from the same manufacturer): - 2 controllers with possibility of hot swapping (active-active); - 24GB of memory per array; - Storage 2x1.92GB SSD SAS Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive; - Support for SAS and NL-SAS, compatibility with different types in one system: <ul style="list-style-type: none"> o NL-SAS (7200 rpm, 3.5-inch): up to 18 TB; o SAS (10,000 rpm): up to 2.4 TB; o SSD-drives: up to 3.84 TB; - I/O port with 4x 16Gbps FC ports for each controller; - Support for direct connection to 4 servers in high availability mode in two ways; - SFP Module 4pcs. SFP Fiber Channel 16 Gbps; - Cable 4pcs. multi-mode fiber cable LC-LC 2 meters; - Automated storage up to 3 main levels, support for two-level storage; - Support RAID RAID 0, 1, 5, 6, 10, 50 or other advanced data protection, a combination of different RAID levels; - Snapshots Maximum number of snapshots per array 256; - AC Power Supply 580W, Redundant, Flex; - Extended disk storage unit for min 8 drive enclosures (either LFF and/or SFF); - Hard drives 16TB NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive; - 60-month warranty; next business day service (NBD)	1	1	1	3
		9	3	15	27
2	Server for processing and recording video streams (storage and server must be from the same manufacturer): - Chassis with 2 and more 2.5 "Hot Plug Hard Drives (2CPU & XGMI); - Processor 2 pcs. 16 cores with a frequency of at least 2.9GHz, 22M Cache; - Hardware encryption Trusted Platform Module 2.0; - RAM 64GB RDIMM, 3200MT/s; - Storage 2pcs 480GB SSD SATA Read Intensive 6Gbps 512e 2.5in Hot Plug S4510 Drive, 1 DWPD, 876TBW; in RAID1 - Ports 4 x 1GbE, 2 x 16Gb Fiber Channel HBA;	2	1	2	5

	<ul style="list-style-type: none"> - Indoor module SD 32GB microSDHC / SDXC Card (SD card included); - PCI Config expansion slots PCIe 3.0; - Power supply 2 x 800 W; - ANPR software for 60 channels with no time limits, VMS software for 60 channels with no time limits. Graphics option: NVIDIA Quadro RTX 6000 Graphics Accelerator Meets equipment requirements. ANPR and VMS, compatible with the proposed solution. - Operating system: Meets software requirements, licensed or certified as required. Virtualization management system compatible with the proposed solution, - 60-month warranty, next business day service (NBD) 				
3	<p>Camera for number plate recognition with bracket (supplier is responsible for selection of bracket and mounting box)</p> <p>Matrix 1 / 2.9" Progressive Scan CMOS; Sensitivity in color (Lk) 0.01; Varifocal lens 4 - 9 mm; Focusing is manual, with fixing; Day / night ICR filter; IR illumination range, m 30; Main and additional flows 1920x1080 - 25k / s; Hardware image enhancement mode WDR, DNR noise reduction, ROI quality selection; H.265, H.265 + video compression standard; Network interface 1 RJ45 10 / 100Mb; ONVIF network functions (PROFILE S, G); Street type with built-in heating;</p> <p>Universal bracket (mounting on a rectangular column, vertical surface); Operating temperature conditions -30 ° C ~ + 60 ° C; PoE + power supply; Protection IP67, IK10; Warranty at least 12 months, (preferably 36 months)</p>	20	8	37	65
4	<p>Camera for number plate recognition with bracket (supplier is responsible for selection of bracket and mounting box)</p> <p>Matrix 1 / 2.9" Progressive Scan CMOS; Sensitivity in color (Lk) 0.01; Varifocal lens 4 - 29 mm; Focusing is manual, with fixing; Day / night ICR filter; IR illumination range, m 30; Main and additional flows 1920x1080 - 25k / s; Hardware image enhancement mode WDR, DNR noise reduction, ROI quality selection; H.265, H.265 + video compression standard; Network interface 1 RJ45 10 / 100Mb; ONVIF network functions (PROFILE S, G); Street type with built-in heating;</p> <p>Universal bracket (mounting on a rectangular column, vertical surface); Operating temperature conditions -30 ° C ~ + 60 ° C; PoE + power supply; Protection IP67, IK10; Warranty at least 12 months, (preferably 36 months)</p>	0	8	0	8
5	<p>Surveillance camera with bracket (supplier is responsible for selection of bracket and mounting box)</p> <p>Matrix 1 / 2.9" Progressive Scan CMOS; Sensitivity in color / bw (Lk) 0.01 / 0,001; Lens Varifocal 2.8 - 9 mm; Focusing Automatic, manual, with fixation; Day / night ICR filter; IR illumination range, m 50; Main and additional flows 1920x1080 - 25k / s; Hardware image enhancement mode WDR, DNR noise reduction, ROI quality selection; H.265, H.265 + video compression standard; Network interface 1 RJ45 10 / 100Mb; ONVIF network functions (PROFILE S, G); Street type with built-in heating; Universal bracket (mounting on a rectangular or round pole, vertical surface or ceiling) with mounting box; Operating temperature conditions -30 ° C + 60 ° C; PoE + power supply; Protection IP67, IK10; Warranty at least 12 months, (preferably 36 months)</p>	6	4	4	14

6	Network firewall Fortinet FortiGate-60F, or equivalent 8 GE ports for RJ45 switching; 2 ports GE WAN RJ45 connections; full bandwidth 10 Gbps; full VPN bandwidth 6 Gbps; full SSL VPN bandwidth 900 Mbps; Functions Switch / Firewall / IPSec and SSL VPN / WAN / Traffic shaping / NAC + BYOD / DLP; Warranty 36 months	1	1	1	3
7	48-port 10/100/1000 PoE Managed switch 48 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); 4 SFP+ 1/10GbE ports; Switching capacity min 120 Gbps MAC address table size 16000 entries PoE power 370 W; Maximum power rating 500W Layer 2 switch (VLAN support and tagging, etc.) with Layer 3 routing (Static IP routing, RIP) 60-month warranty; next business day service (NBD)	2	1	1	4
8	24-port 10/100/1000 PoE Managed switch 24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); 4 SFP+ 1/10GbE ports; Switching capacity min 120 Gbps MAC address table size 16000 entries PoE power 370 W; Maximum power rating 500W Layer 2 switch (VLAN support and tagging, etc.) with Layer 3 routing (Static IP routing, RIP) 60-month warranty; next business day service (NBD)	2	1	1	4
9	FTP/UTP Patch-cord, 0.5m, Cat5e	100	100	100	300
10	FTP/UTP Patch-cord 1GbE, 1m, Cat6e	50	50	50	150
11	FC Patch-cord, 1.5m, 16Gbs	6	100	20	126
12	10GbE DAC cable 3m for ethernet switches	4	0	0	4