Specificații tehnice (F4.1) SC Vizual Impact SRL

[Acest tabel va fi completat de către ofertant în coloanele 3, 4, 5, 7, iar de către autoritatea contractantă – în coloanele 1, 2, 6, 8]

Numărul procedurii de achiziție : ocds-b3wdp1-MD-1630999026390 din 07.09.2021

Denumirea procedurii de achiziție: Retehnologizarea TV – studioul nr. 5

Cod CPV	Denumirea bunurilor	Modelul articolului	Țara de origine	Produ- cătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standa rde de referin ţă
1	2	3	4	5	6	7	8
	Lot nr.1 Sistemul video				Features	Features	
32224000-9	PTZ Camera	AW-UE150W/K (white or black) AW-PS551	Japan	Panasonic	Large 1" type MOS sensor HDMI, SDI, and IP output up to UHD 4K 20x optical, 32x iZoom in HD, 24x iZoom in UHD 4K Wide 75.1° horizontal angle of view (DRS) High Dynamic Range (HDR) mode with BT.2020 gamut support Optical Image Stabilization (IOS) Crop up to three shots from a single 4K image Large, adjustable tally light Adaptive Matrix function adjusts for strong LED blue light 1/4, 1/16, 1/64 ND filters Audio input and embedding FreeD Support for Construction of AR/VR Systems	Large 1" type MOS sensor HDMI, SDI, and IP output up to UHD 4K 20x optical, 32x iZoom in HD, 24x iZoom in UHD 4K Wide 75.1° horizontal angle of view (DRS) High Dynamic Range (HDR) mode with BT.2020 gamut support Optical Image Stabilization (IOS) Crop up to three shots from a single 4K image Large, adjustable tally light Adaptive Matrix function adjusts for strong LED blue light 1/4, 1/16, 1/64 ND filters Audio input and embedding FreeD Support for Construction of AR/VR Systems	

Improved web UI for use with PC, Improved web UI for use with PC,
tablet, or smartphone (iOS, Android) tablet, or smartphone (iOS, Android)
Maximum 180°/s pan/tilt in high- Maximum 180°/s pan/tilt in high-speed
speed mode mode
Monochrome Night Mode Monochrome Night Mode
Digital Noise Reduction (DNR) Digital Noise Reduction (DNR)
Live streaming via RTMP Live streaming via RTMP
Upgradable to NDI/HX with license Upgradable to NDI/HX with license
Image Sensor Image Sensor
Image Sensor - 1-Chip 1" MOS Image Sensor - 1-Chip 1" MOS Sensor
Sensor Horizontal Resolution (TV Lines) -
Horizontal Resolution (TV Lines) - 1600 TV Lines
1600 TV Lines Gain - 0 to 42 dB (Expanded)
Gain - 0 to 42 dB (Expanded) Signal-to-Noise Ratio - 60 dB
Signal-to-Noise Ratio - 60 dB Sensitivity - f/9 at 2000 lux
Sensitivity - f/9 at 2000 lux White Balance Range - 2000 to
White Balance Range - 2000 to 15,000K
15,000K Camera
Camera Shutter Speed - 1/24 to 1/10,000 sec
Shutter Speed - 1/24 to 1/10,000 sec Max Digital Zoom - 32x (in 1080p)
Max Digital Zoom - 32x (in 1080p) IR Cut Filter
IR Cut Filter Lens
Lens Optical Zoom Ratio - 20x
Optical Zoom Ratio - 20x Focal Length - 8.8 to 176mm
Focal Length - 8.8 to 176mm 35mm Equivalent Focal Length - 24.5
35mm Equivalent Focal Length - to 490mm
24.5 to 490mm Field of View - Horizontal: 75.1 to 4°;
Field of View - Horizontal: 75.1 to Vertical: 46.7 to 2.3°; Vertical: 82.8 to
4°; Vertical: 46.7 to 2.3°; Vertical: 82.8 4.6°.
to 4.6°. Maximum Aperture - f/2.8 to 4.5
Maximum Aperture - f/2.8 to 4.5 Minimum Focusing Distance - Wide:
Minimum Focusing Distance - Wide: 3.9" / 9.9 cm; Telephoto: 39.6" / 100.6
3.9" / 9.9 cm; Telephoto: 39.6" / 100.6 cm
cm Image Stabilization - Optical
Image Stabilization - Optical Focus Control – Autofocus; Manual
Focus Control – Autofocus; Manual Focus Video Output
Video Output Broadcast System Compatibility - NTSC PAI
Broadcast System Compatibility - NTSC, PAL
NTSC, PAL Output Formats - SDI, HDMI, RJ45,
Output Formats - SDI, HDMI, RJ45, Optical Fiber: 3840x2160p at 24, 25,
Optical Fiber: 3840x2160p at 24, 25, 29.97, 50fps
29.97, 50fps 1920 x 1080p at 25,
1920 x 1080p at 29.97, 50, 59.94 fps
25, 29.97, 50, 59.94 fps 1920 x 1080PsF at
1920 x 1080PsF at 23.98, 25, 29.97 fps
23.98, 25, 29.97 fps 1920 x 1080i at 50,
1920 x 1080i at 50, 59.94 fps
59.94 fps Embedded Audio – HDMI/SDI
Embedded Audio – HDMI/SDI

					IP Streaming - H.264, H.265, MJPEG: 1080p, 720p at 25p, 30p, 50p, 60p Control Move Speed - Pan: 0.08 to 180°/sec; Tilt: 0.08 to 180°/sec Movement Range - Pan: 350° (-175 to 175°); Tilt: 120° (-30 to 210°) Tally Light Supported Control Protocols - RS-232; RS-422 Interfaces Video Output Connectors - 1 x HDMI Type A (HDMI 2.0) Male 1 x BNC Male (Loop Output) 1 x BNC (3G-SDI) Male Audio I/O - 1 x 1/8" / 3.5 mm Stereo Mic/Line Level Input Control Interface - 1 x RJ45 (IP Control, RS-422) Other I/O - 1 x BNC (Genlock) Input Expansion Slots - 1 x SFP+ Slot Power PoE Support - PoE++ 802.3bt Power Connectors - 1 x Proprietary (10.8 to 13.2 VDC)	IP Streaming - H.264, H.265, MJPEG: 1080p, 720p at 25p, 30p, 50p, 60p Control Move Speed - Pan: 0.08 to 180°/sec; Tilt: 0.08 to 180°/sec Movement Range - Pan: 350° (-175 to 175°); Tilt: 120° (-30 to 210°) Tally Light Supported Control Protocols - RS-232; RS-422 Interfaces Video Output Connectors - 1 x HDMI Type A (HDMI 2.0) Male 1 x BNC Male (Loop Output) 1 x BNC (3G-SDI) Male Audio I/O - 1 x 1/8" / 3.5 mm Stereo Mic/Line Level Input Control Interface - 1 x RJ45 (IP Control, RS-422) Other I/O - 1 x BNC (Genlock) Input Expansion Slots - 1 x SFP+ Slot Power PoE Support - PoE++ 802.3bt Power Connectors - 1 x Proprietary (10.8 to 13.2 VDC) Include POE++ Injector 54 VDC at 1.5A	
					Power, 100 to 240 AC at 50/60 Hz Input Voltage (EU) (Echivalent cu POE-54-80W) Include Power Supply: 10.8 to 13.2 VDC at 4A HA216P-4S (4-pin), 100 to 240 AC at 50/60 Hz Input Voltage (EU)	(EU) (Echivalent cu POE-54-80W) Include Power Supply: 10.8 to 13.2 VDC at 4A HA216P-4S (4-pin), 100 to 240 AC at 50/60 Hz Input Voltage (EU)	
32224000-9	Remote PTZ Camera Controller	AW-RP150GJ	Japan	Panasonic	Key Features Control up to 200 Compatible PTZ Cameras Serial Control 5 Cameras Directly Zoom/Focus Rocker Joystick Touch Panel GUI, Touch Focus & More General Number of Supported Cameras - 200 Channels via IP 5 Channels via RS-422 Control Interface - 1 x RJ45 (LAN) Other I/O - 2 x 25-Pin D-Sub (GPI, Tally); 5 x RJ45 (RS-422, Tally)	Key Features Control up to 200 Compatible PTZ Cameras Serial Control 5 Cameras Directly Zoom/Focus Rocker Joystick Touch Panel GUI, Touch Focus & More General Number of Supported Cameras - 200 Channels via IP 5 Channels via RS-422 Control Interface - 1 x RJ45 (LAN) Other I/O - 2 x 25-Pin D-Sub (GPI, Tally); 5 x RJ45 (RS-422, Tally)	

					Video Connectors - 1 x BNC (3G-SDI) Input; 1 x BNC (3G-SDI) (Loop Output) Controls - 10 x Camera Selection Buttons Memory Card Slot 1 x SDXC Display Size - 7" Resolution - 800 x 480 Touchscreen Power POE Support - PoH 802.3at Power Connectors - 1 x 4-Pin XLR DC Input Power - 10.8 to 13.2 VDC at 1 A	Video Connectors - 1 x BNC (3G-SDI) Input; 1 x BNC (3G-SDI) (Loop Output) Controls - 10 x Camera Selection Buttons Memory Card Slot 1 x SDXC Display Size - 7" Resolution - 800 x 480 Touchscreen Power PoE Support - PoH 802.3at Power Connectors - 1 x 4-Pin XLR DC Input Power - 10.8 to 13.2 VDC at	
32224000-9	Processor, keying	Ultimatte 12	Australia	Blackmagic Design	An advanced real time compositing processor designed for keying live action video with next generation broadcast graphics, virtual sets and more. Features new algorithms and color science, incredible edge handling and color separation, amazing color fidelity, and better spill suppression than ever before. The high performance 12G-SDI design gives you the power to work in UltraHD and HD with sub pixel processing for amazing image. Connections SDI Video Inputs - 7, plus monitor in SDI Video Outputs - 9 SDI Video Loop - 7 x relocked SD, HD, Ultra HD for corresponding inputs. SDI Rates - 270Mb, 1.5G, 3G, 6G, 12G multi rate support Reference Input - Tri-Sync or Black Burst Reference Loop Output - Tri-Sync or Black Burst Control Panel Connection - Ethernet supports 10/100Mbps. GPIO - 5 x GPI In; 1 x GPI Out; 1 x Tally In.	An advanced real time compositing processor designed for keying live action video with next generation broadcast graphics, virtual sets and more. Features new algorithms and color science, incredible edge handling and color separation, amazing color fidelity, and better spill suppression than ever before. The high performance 12G-SDI design gives you the power to work in UltraHD and HD with sub pixel processing for amazing image. Connections SDI Video Inputs - 7, plus monitor in SDI Video Outputs - 9 SDI Video Loop - 7 x relocked SD, HD, Ultra HD for corresponding inputs. SDI Rates - 270Mb, 1.5G, 3G, 6G, 12G multi rate support Reference Input - Tri-Sync or Black Burst Reference Loop Output - Tri-Sync or Black Burst Control Panel Connection - Ethernet supports 10/100Mbps. GPIO - 5 x GPI In; 1 x GPI Out; 1 x Tally In.	
32224000-9	Remote Control for processor, keying	Ultimatte Smart Remote 4	Australia	Blackmagic Design	The Remote controls up to 8 unit id numbers via Ethernet or up to 8 unit id numbers via RS485. Its larger display area and adjustable stand, along with brightness controls for both display and button illuminations, makes the operation user-friendly. With "Monitor Out Views" accessible from every	The Remote controls up to 8 unit id numbers via Ethernet or up to 8 unit id numbers via RS485. Its larger display area and adjustable stand, along with brightness controls for both display and button illuminations, makes the operation user-friendly. With "Monitor Out Views" accessible from every menu, Remote	

32224000-9	Videohub	Smart Videohub CleanSwitch 12x12	Australia	Blackmagic Design	most used controls. LED Control - User adjustable brightness control for LEDs. Fan Speed Control - User adjustable. Echivalent cu Ultimatte Smart Remote 4 Key Features Routing Switcher with Frame Syncing 12 x 6G-SDI Inputs / 12 x 6G-SDI Outputs	LED Control - User adjustable brightness control for LEDs. Fan Speed Control - User adjustable. Echivalent cu Ultimatte Smart Remote 4 Key Features Routing Switcher with Frame Syncing 12 x 6G-SDI Inputs / 12 x 6G-SDI Outputs Supports SD, HD, Ultra HD 4K, DCI 4K	
					Fast and easy navigation Control up to 8 unit id numbers via RS485 Control up to 8 unit id numbers via Ethernet Connections Software Updates - 2 x USB 2.0 and 1 x USB 3.0 for firmware updates. SVGA Output - SVGA output allows graphic to be viewed on an external VGA monitor. Ethernet - 2 x 10/100 Mbps Ethernet ports to connect to LAN networks for controlling processor, keying. RS-422 - 2 x for controlling processor, keying. Product Specifics Rotary Knobs - 8 x rotary knobs for adjusting parameters. Unit ID Buttons - 8 x buttons. Illuminated blue for active. Unit ID LED Indicators - Illuminated green for on line and red for on air. Alt+Quick Load/Save Buttons-Alt button plus 5 buttons for saving files into volatile RAM Quick Load/Save Buttons - 5 x buttons for loading files stored in volatile RAM. File Clear Button - 1 x button for One Touch Keying. Alt + File Clear - Alt button plus file clear button for One Touch Keying using some user defined presets. Customizable Menus - 4 x menus for building your own menu with your	Control up to 8 unit id numbers via RS485 Control up to 8 unit id numbers via Ethernet Connections Software Updates - 2 x USB 2.0 and 1 x USB 3.0 for firmware updates. SVGA Output - SVGA output allows graphic to be viewed on an external VGA monitor. Ethernet - 2 x 10/100 Mbps Ethernet ports to connect to LAN networks for controlling processor, keying. RS-422 - 2 x for controlling processor, keying. Product Specifics Rotary Knobs - 8 x rotary knobs for adjusting parameters. Unit ID Buttons - 8 x buttons. Illuminated blue for active. Unit ID LED Indicators - Illuminated green for on line and red for on air. Alt+Quick Load/Save Buttons-Alt button plus 5 buttons for saving files into volatile RAM Quick Load/Save Buttons - 5 x buttons for loading files stored in volatile RAM. File Clear Button - 1 x button for One Touch Keying. Alt + File Clear - Alt button plus file clear button for One Touch Keying using some user defined presets. Customizable Menus - 4 x menus for building your own menu with your most used controls.	
					menu, Remote control provides the fastest and easiest navigation for every operator. User-friendly operation	control provides the fastest and easiest navigation for every operator. User-friendly operation Fast and easy navigation	

32224000-9	Videohub	Supports SD, HD, Ultra HD 4K, DCI 4K 4:2:2 and 4:4:4 Sampling 10-Bit Processing SDI Reclocking Built-In LCD with Spin Knob Control Push Buttons on Front Panel Ethernet for Remote Control Videohub Control Software Included Connections SDI Video Input - 12 x 10-bit SD/HD/6G-SDI SDI Video Output - 12 x 10-bit SD/HD/6G-SDI Reference Input - Blackburst and TriSync for SD, HD and UHD 4K Multi-Rate Support - Auto detection of SD, HD, or 6G-SDI. Simultaneous routing of 4K, HD, SD video and DVB- ASI Updates - USB 2.0 high speed (480 Mb/s) interface or via Ethernet Control - 12 buttons for local control of Videohub 6 buttons and scroll wheel for control of LCD display 1 x RJ45 Ethernet 1 x RS-422 input for controlling router crosspoint switching Configuration - Via front panel LCD or use either RJ45 Ethernet USB 2.0 for setting IP address only Reclocking - On all SDI outputs, auto switching between SD, HD, or 6G-SDI video Software Software Control - Router control included free for Windows and Mac OS X Internal Software Upgrade - Via included updater application General Display - LCD for video and menu settings Power Supply - IEC power cable required; 90 to 240 VAC input Key Features	4:2:2 and 4:4:4 Sampling 10-Bit Processing SDI Reclocking Built-In LCD with Spin Knob Control Push Buttons on Front Panel Ethernet for Remote Control Videohub Control Software Included Connections SDI Video Input - 12 x 10-bit SD/HD/6G-SDI SDI Video Output - 12 x 10-bit SD/HD/6G-SDI Reference Input - Blackburst and TriSync for SD, HD and UHD 4K Multi-Rate Support - Auto detection of SD, HD, or 6G-SDI. Simultaneous routing of 4K, HD, SD video and DVB- ASI Updates - USB 2.0 high speed (480 Mb/s) interface or via Ethernet Control - 12 buttons for local control of Videohub 6 buttons and scroll wheel for control of LCD display 1 x RJ45 Ethernet 1 x RS-422 input for controlling router crosspoint switching Configuration - Via front panel LCD or use either RJ45 Ethernet USB 2.0 for setting IP address only Reclocking - On all SDI outputs, auto switching between SD, HD, or 6G-SDI video Software Software Control - Router control included free for Windows and Mac OS X Internal Software Upgrade - Via included updater application General Display - LCD for video and menu settings Power Supply - IEC power cable required; 90 to 240 VAC input
32224000-9	viaeonub	Routing Switcher	Routing Switcher

	Т		1		
				40 x 6G-SDI Inputs / 40 x 6G-SDI	40 x 6G-SDI Inputs / 40 x 6G-SDI
				Outputs	Outputs
				Supports SD, HD, Ultra HD 4K, DCI	Supports SD, HD, Ultra HD 4K, DCI
				4K	4K
		4 1:	D1 1 '	4:2:2 and 4:4:4 Sampling	4:2:2 and 4:4:4 Sampling
Sr	mart Videohub 40x40	Australia	Blackmagic	10-Bit Processing	10-Bit Processing
			Design	SDI Reclocking	SDI Reclocking
				Built-In LCD with Spin Knob	Built-In LCD with Spin Knob Control
				Control	Push Buttons on Front Panel
				Push Buttons on Front Panel	Ethernet for Remote Control
				Ethernet for Remote Control	Videohub Control Software Included
				Videohub Control Software Included	Connections
				Connections	SDI Video Input - 40 x 10-bit
				SDI Video Input - 40 x 10-bit	SD/HD/6G-SDI
				SD/HD/6G-SDI	SDI Video Output - 40 x 10-bit
				SDI Video Output - 40 x 10-bit	SD/HD/6G-SDI
				SD/HD/6G-SDI	Reference Input - Blackburst and
				Reference Input - Blackburst and	TriSync for SD, HD and UHD 4K
				TriSync for SD, HD and UHD 4K	Multi-Rate Support - Auto detection of
				Multi-Rate Support - Auto detection	SD, HD, or 6G-SDI. Simultaneous
				of SD, HD, or 6G-SDI. Simultaneous	routing of 4K, HD, SD video and DVB-
				routing of 4K, HD, SD video and DVB-	ASI
				ASI	Updates - USB 2.0 high speed (480
				Updates - USB 2.0 high speed (480	Mb/s) interface or via Ethernet
				Mb/s) interface or via Ethernet	Control - 40 buttons for local control
				Control - 40 buttons for local control	of Videohub
				of Videohub	6 buttons and scroll wheel
				6 buttons and scroll	for control of LCD display
				wheel for control of LCD display	1 x RJ45 Ethernet
				1 x RJ45 Ethernet	1 x RS-422 input for
				1 x RS-422 input for	controlling router crosspoint switching
				controlling router crosspoint switching	Configuration - Via front panel LCD or
				Configuration - Via front panel LCD	use either RJ45 Ethernet
				or use either RJ45 Ethernet	USB 2.0 for setting IP
				USB 2.0 for setting	address only
				IP address only	Reclocking - On all SDI outputs, auto
				Reclocking - On all SDI outputs, auto	switching between SD, HD, or 6G-SDI
				switching between SD, HD, or 6G-SDI	video
				video	Software
				Software	Software Control - Router control
				Software Control - Router control	included free for Windows and Mac OS
				included free for Windows and Mac OS	X
				X	Internal Software Upgrade - Via
				Internal Software Upgrade - Via	included updater application
				included updater application	General
					Display - 5" (12.7 cm) LCD for video
				General	
				Display - 5" (12.7 cm) LCD for video	and menu settings
				and menu setting Power Supply - IEC	Power Supply - IEC power cables
				power cables required; 2 x 90 to 240	required; 2 x 90 to 240 VAC input(for
				VAC input(for redundancy)	redundancy)

					1 to 16 Channel MultiViewer with HDMI output for 3G/HD/SD and Custom Layouts Support for both 3G level A and B on the inputs. Miniature (3G/HD/SD)-SDI 1 to 16 channel Multi-Viewer Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning and size	1 to 16 Channel MultiViewer with HDMI output for 3G/HD/SD and Custom Layouts Support for both 3G level A and B on the inputs. Miniature (3G/HD/SD)-SDI 1 to 16 channel Multi-Viewer Custom Layouts with various standard layouts 16 Character UMD overlay per window with individual enables, custom positioning and size	
32223000-2	Converter multiview (Set)	DMON-16SL UA55AU8000UX	Australia South Korea	Decimator Design Samsung	Audio ID overlay Load and restore Custom Layouts Fast switching between inputs using Full-Screen scaling Selectable output format in both Full- Screen and Multi-Viewer mode Low latency buffering for each input allowing non-synchronous inputs 16 x (3G/HD/SD)-SDI inputs with auto detection (26 Formats supported in total) Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window Pass-Through mode allowing any of the 16 inputs to be selected and routed to the the HDMI output In Pass-Through mode the selected input is passed through to the HDMI output Also includes: USB port for control and firmware updates Heavy duty metal box Metal Thread Locking DC Power Socket Power Supply, HDMI Cable and USB Cable	Audio ID overlay Load and restore Custom Layouts Fast switching between inputs using Full- Screen scaling Selectable output format in both Full- Screen and Multi-Viewer mode Low latency buffering for each input allowing non-synchronous inputs 16 x (3G/HD/SD)-SDI inputs with auto detection (26 Formats supported in total) Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously Variable aspect ratios per window Pass-Through mode allowing any of the 16 inputs to be selected and routed to the the HDMI output In Pass-Through mode the selected input is passed through to the HDMI output Also includes: USB port for control and firmware updates Heavy duty metal box Metal Thread Locking DC Power Socket Power Supply, HDMI Cable and USB Cable Monitor	
					Monitor Display Series 8 Screen Size 55" Resolution 3,840 x 2,160 Video Picture Engine Crystal Processor 4K PQI (Picture Quality Index) 2200	Display Series 8 Screen Size 55" Resolution 3,840 x 2,160 Video Picture Engine Crystal Processor 4K PQI (Picture Quality Index) 2200 HDR (High Dynamic Range) HDR HDR 10+ Support	

					HDR (High Dynamic Range) HDR	HLG (Hybrid Log Gamma)	
					HDR 10+ Support	Contrast Mega Contrast	
					HLG (Hybrid Log Gamma)	Color Dynamic Crystal Color	
					Contrast Mega Contrast	Micro Dimming UHD Dimming	
					Color Dynamic Crystal Color	Natural Mode Support	
					Micro Dimming UHD Dimming	Audio	
					Natural Mode Support	Dolby Digital Plus	
					Audio	Q-Symphony Q-Symphony	
					Dolby Digital Plus	Audio Pre-selection Descriptor	
					Q-Symphony Q-Symphony	Sound Output (RMS) 20W	
					Audio Pre-selection Descriptor	Speaker Type 2CH	
					Sound Output (RMS) 20W	Tuner/Broadcasting	
					Speaker Type 2CH	Digital Broadcasting DVB-T2C	
					Tuner/Broadcasting	Analog Tuner	
					Digital Broadcasting DVB-T2C	CI (Common Interface) CI+(1.4)/	
					Analog Tuner	CI+(1.4 ECP)_IT only	
					CI (Common Interface) CI+(1.4)/	Data Broadcasting HbbTV 2.0.2	
					CI+(1.4 ECP) IT only	TV Key Support	
					Data Broadcasting HbbTV 2.0.2	Connectivity	
					TV Key Support	HDMI 3	
					Connectivity	USB 2	
					HDMI 3	Ethernet (LAN)	
					USB 2	Digital Audio Out (Optical) 1	
					Ethernet (LAN)	RF In (Terrestrial / Cable input)	
					Digital Audio Out (Optical) 1	1/1(Common Use for Terrestrial)/0	
					RF In (Terrestrial / Cable input)	CI Slot 1	
					1/1(Common Use for Terrestrial)/0	HDMI A / Return Ch. Support	
					CI Slot 1	eARC	
					HDMI A / Return Ch. Support	HDMI Quick Switch	
					eARC	Wireless LAN Built-in	
					HDMI Quick Switch	Bluetooth	
					Wireless LAN Built-in	Anynet+ (HDMI-CEC)	
					Bluetooth	implet (IIDivii CDC)	
					Anynet+ (HDMI-CEC)		
					Features	Features	
					Full HD LCD panel 23,8"	Full HD LCD panel 23,8" 1920×1080	
					1920×1080 pixel with LED back-	pixel with LED back-lighting; Supports	
					lighting; Supports 4K-HDMI and 3G-	4K-HDMI and 3G-SDI; 10-bit processing	
					SDI; 10-bit processing Video	Video Processing; Special ZERO Latency	
					Processing; Special ZERO Latency	Mode for critical Audio/Video	
					Mode for critical Audio/Video	applications; Webserver IP remote	
					applications; Webserver IP remote	control; Safety area election: 80%, 85%,	
32323000-3	Studio Monitor	DT-G24E	Japan	JVC	control; Safety area election: 80%,	90%, 93%, 95%; Scale marker: 4:3, 13:9,	
					85%, 90%, 93%, 95%; Scale marker:	14:9, 15:9, 1.85:1, 2.35:1; 3DLUT auto	
					4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1;	colour calibration; Built-in De-log LUTs;	
					3DLUT auto colour calibration; Built-in	User 3DLUT upload; Selectable gamma	
					De-log LUTs; User 3DLUT upload;	preset 1.8, 2.2, 2.4 and 2.6.; 16-ch audio	
					Selectable gamma preset 1.8, 2.2, 2.4	level meters with alert and output	
					and 2.6.; 16-ch audio level meters with	selection; Built-in waveform monitor,	
					alert and output selection; Built-in	with Line-Selector (for HDSDI sources);	
L		I.		<u> </u>	aren and output selection; Dunt-in	with Line-Scientifi (101 HDSDI sources);	

1		Duitt in another and thirt area
	waveform monitor, with Line-Selector	Built-in vector scope and histogram
	(for HDSDI sources); Built-in vector	monitor; H/V delay, freeze frame display
	scope and histogram monitor; H/V	mode; Frame/Field view selection; Native
	delay, freeze frame display mode; Frame/Field view selection; Native	scan, over scan and normal scan selection:
	scan, over scan and normal scan	R/G/B/Mono, False color, Zebra stripes
	selection; R/G/B/Mono, False color, Zebra stripes	display; Focus assist display mode; USB Firmware update options; V-mount
	display; Focus assist display mode;	battery plate for field application; GPI
	USB Firmware update options; V-	control via RS485 port connection; 3
	mount battery plate for field	User setting data storage; 6 User
	application; GPI control via RS485 port	definable function keys; On-screen
	connection; 3 User setting data storage;	TALLY display (Soft-and Hardware
	6 User definable function keys; On-	Tally); TSL UMD and User editable
	screen TALLY display (Soft-and	video title; SDI Timecode display; AFD
	Hardware Tally); TSL UMD and User	(Active Format Description) info display
	editable video title; SDI Timecode	Panel Specifications
	display; AFD (Active Format	Panel size (diagonal in inch) - 23.8
	Description) info display	Panel resolution - 1920 X 1080 Pixels
	Panel Specifications	Panel Aspect Ratio - 16 to 9
	Panel size (diagonal in inch) - 23.8	Panel Type LCD
	Panel resolution - 1920 X 1080	Panel Modulation IPS
	Pixels	Back-light LED
	Panel Aspect Ratio - 16 to 9	Brightness in cd/m ² - 250
	Panel Type LCD	Panel Bit depth: - 8
	Panel Modulation IPS	Image Processing Bit depth - 10
	Back-light LED	Viewing angle H/V - H 178 / V 178
	Brightness in cd/m ² - 250	Contrast Ratio - 1000:1
	Panel Bit depth: - 8	IN-OUT's Connections VIDEO
	Image Processing Bit depth - 10	Number of HDSDI Inputs - 2
	Viewing angle H/V - H 178 / V 178	Input HDMI, HDMI 2.0
	Contrast Ratio - 1000:1	Number of HDMI Inputs - 1
	IN-OUT's Connections VIDEO	Input RGB/VGA, Sub-D 15 PIN
	Number of HDSDI Inputs - 2	Input YUV, 3 x BNC
	Input HDMI, HDMI 2.0	Input Composite, BNC
	Number of HDMI Inputs - 1	Numbers of Composite Inputs - 1
	Input RGB/VGA, Sub-D 15 PIN	Loop out HDSDI, 3G 2 x 2 (for each
	Input YUV, 3 x BNC	unit 2 outs)
	Input Composite, BNC	Loop out HDMI, HDMI 2.0
	Numbers of Composite Inputs - 1	Loop out Composite
	Loop out HDSDI, 3G 2 x 2 (for each	IN-OUT connections AUDIO
	unit 2 outs)	Audio Line IN, 2 times RCA
	Loop out HDMI, HDMI 2.0	Headphone out, 3.5 mm mini jack
	Loop out Composite	Speaker integrated, 2
	IN-OUT connections AUDIO	IN-OUT Connections Controls
	Audio Line IN, 2 times RCA	GPI IN, RJ45
	Headphone out, 3.5 mm mini jack	RS485/422 IN, RJ45
	Speaker integrated, 2	RS485/422 Loop out
	IN-OUT Connections Controls	IP Ethernet Port, RJ45
	GPI IN, RJ45	

					RS485/422 IN, RJ45 RS485/422 Loop out IP Ethernet Port, RJ45 USB Port, 2 x (1x for Firmware / 1 x Front for Color Probe) Dedicate Functions SDI Timecode, LTC, VITC1&2 R/G/B/Mono False color Peaking focus assist H/V delay Field/Frame mode, Field 1 / Field 2 Scan Modes - 4:3/16:9 Freeze frame Safety area markers, 80%, 85%, 90%, 93%, 95% Scale Markers, 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1 Tally via GPI, include IMD/UMD and Top LED Tally via TSL Protocol Tally Multi-Color, 3 colors Low Latency Mode, its special processing, only a view lines delay, so called zero latency, please no image adjustment during this mode. Environment Power Save function User presets, 3 Memories Auto Aspect, Analogue and Digital sources Picture Flip modes Direct Brightness/Contrast/Color control Dedicate Features	USB Port, 2 x (1x for Firmware / 1 x Front for Color Probe) Dedicate Functions SDI Timecode, LTC, VITC1&2 R/G/B/Mono False color Peaking focus assist H/V delay Field/Frame mode, Field 1 / Field 2 Scan Modes - 4:3/16:9 Freeze frame Safety area markers, 80%, 85%, 90%, 93%, 95% Scale Markers, 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1 Tally via GPI, include IMD/UMD and Top LED Tally via TSL Protocol Tally via TSL Protocol Tally Multi-Color, 3 colors Low Latency Mode, its special processing, only a view lines delay, so called zero latency, please no image adjustment during this mode. Environment Power Save function User presets, 3 Memories Auto Aspect, Analogue and Digital sources Picture Flip modes Direct Brightness/Contrast/Color control Dedicate Features Auto source search Measurement and indication Tools – Waveform, Vector-scope, Histogram,	
					adjustment during this mode. Environment Power Save function User presets, 3 Memories Auto Aspect, Analogue and Digital sources Picture Flip modes Direct Brightness/Contrast/Color	Auto Aspect, Analogue and Digital sources Picture Flip modes Direct Brightness/Contrast/Color control Dedicate Features Auto source search	
					Power DC, 11V to 17V DC Connector Type: - 4 PIN XLR Include Package AC Power cord Others - Metal Display Stand	Others - Metal Display Stand	
32323000-3	Studio Monitor	SmartView Duo	Australia	Blackmagic Design	Connections SDI Video Input - Automatically switches between SD, HD and 3G-SDI. Reclocked loop through output.	Connections SDI Video Input - Automatically switches between SD, HD and 3G-SDI. Reclocked loop through output.	

		UA55AU8000UX			Multi Rate Support - Auto detection of 2K, HD or standard definition inputs. Updates and Configuration - Via USB 2.0 high speed (480 Mb/s) Ethernet - 10/100 BaseT with loop through. Tally - 9-pin D connector Standards SDI Compliance - SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M,SMPTE 424M Level B and SMPTE 425M. SDI Color Space - REC 601, REC 709 SDI Auto Switching - Automatically selects between SD, HD and 3 Gb/s SDI. Video Sampling - 4:2:2 and 4:4:4 SDI Format Support - 525i59.94 NTSC, 625i50 PAL, 720p50, 59.94, 60; 1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60; 1080FSP23.98, 24, 25, 29.97, 30; 1080i50, 59.94, 60 2K Format Support - 1080p23.98, 24, 25; 1080FSP23.98, 24; 2K 23.98PsF, 24PsF, 25PsF Display Display Element - TFT Active Matrix LCD. Display Resolution - 800 x 480 pixels Response - < 15 ms Contrast Ratio - Typically 500:1 Color Depth - 16.7 Million Colors. Display Orientation - Displays can rotate upside down for optimum viewing angle. Software Internal Software Upgrade - Via included firmware updater software. SmartView Utility Software - Via USB or Ethernet. Power Requirements Power Requirements Power Supply - 12V universal power supply included with international socket adapters for all countries. Power Consumption - < 20 Watts Operational Voltage Range - 12V - 15V Display Series 8	Multi Rate Support - Auto detection of 2K, HD or standard definition inputs. Updates and Configuration - Via USB 2.0 high speed (480 Mb/s) Ethernet - 10/100 BaseT with loop through. Tally - 9-pin D connector Standards SDI Compliance - SMPTE 259M, SMPTE 292M,SMPTE 292M,SMPTE 296M, SMPTE 372M,SMPTE 424M Level B and SMPTE 425M. SDI Color Space - REC 601, REC 709 SDI Auto Switching - Automatically selects between SD, HD and 3 Gb/s SDI. Video Sampling - 4:2:2 and 4:4:4 SDI Format Support - 525i59.94 NTSC, 625i50 PAL, 720p50, 59.94, 60; 1080p23.98, 24, 25, 29.97, 30; 1080i50, 59.94, 60; 1080PsF23.98, 24, 25, 29.97, 30; 1080i50, 59.94, 60; 2K Format Support - 1080p23.98, 24, 25; 1080PsF23.98, 24; 2K 23.98PsF, 24PsF, 25PsF Display Display Element - TFT Active Matrix LCD. Display Resolution - 800 x 480 pixels Response - < 15 ms Contrast Ratio - Typically 500:1 Color Depth - 16.7 Million Colors. Display Orientation - Displays can rotate upside down for optimum viewing angle. Software Internal Software Upgrade - Via included firmware updater software. SmartView Utility Software - Via USB or Ethernet. Power Requirements Power Requirements Power Supply - 12V universal power supply included with international socket adapters for all countries. Power Consumption - < 20 Watts Operational Voltage Range - 12V - 15V
32323000-3	Monitor	UA55AU8000UX UA	South Korea	Samsung	Series 8 Screen Size 55" Resolution 3,840 x 2,160	Series 8 Screen Size 55" Resolution 3,840 x 2,160

					Video Picture Engine Crystal Processor 4K PQI (Picture Quality Index) 2200 HDR (High Dynamic Range) HDR HDR 10+ Support HLG (Hybrid Log Gamma) Contrast Mega Contrast Color Dynamic Crystal Color Micro Dimming UHD Dimming Natural Mode Support Audio Dolby Digital Plus Q-Symphony Q-Symphony Audio Pre-selection Descriptor Sound Output (RMS) 20W Speaker Type 2CH Tuner/Broadcasting Digital Broadcasting DVB-T2C Analog Tuner CI (Common Interface) CI+(1.4)/ CI+(1.4 ECP)_IT only Data Broadcasting HbbTV 2.0.2 TV Key Support Connectivity HDMI 3 USB 2 Ethernet (LAN) Digital Audio Out (Optical) 1 RF In (Terrestrial / Cable input) 1/1(Common Use for Terrestrial)/0 CI Slot 1 HDMI A / Return Ch. Support eARC HDMI Quick Switch Wireless LAN Built-in Bluetooth Anynet+ (HDMI-CEC)	Video Picture Engine Crystal Processor 4K PQI (Picture Quality Index) 2200 HDR (High Dynamic Range) HDR HDR 10+ Support HLG (Hybrid Log Gamma) Contrast Mega Contrast Color Dynamic Crystal Color Micro Dimming UHD Dimming Natural Mode Support Audio Dolby Digital Plus Q-Symphony Q-Symphony Audio Pre-selection Descriptor Sound Output (RMS) 20W Speaker Type 2CH Tuner/Broadcasting Digital Broadcasting DVB-T2C Analog Tuner CI (Common Interface) CI+(1.4)/ CI+(1.4 ECP)_IT only Data Broadcasting HbbTV 2.0.2 TV Key Support Connectivity HDMI 3 USB 2 Ethernet (LAN) Digital Audio Out (Optical) 1 RF In (Terrestrial / Cable input) 1/1(Common Use for Terrestrial)/0 CI Slot 1 HDMI A / Return Ch. Support eARC HDMI Quick Switch Wireless LAN Built-in Bluetooth Anynet+ (HDMI-CEC) Key Features Converts 12G/6G/3G-SDI to Optical	
32223000-2	Convertor	Mini Converter Optical Fiber 12G	Australia	Blackmagic Design	Converts 12G/6G/3G-SDI to Optical Fiber Supports Signals up to DCI 4K25 Multi-Rate, Bidirectional Capability Requires Separate SFP Optical Module Automatic Input Signal Detection 16-Channel Embedded Audio Support Diagrammed Function Switches	Converts 12G/6G/3G-SDI to Optical Fiber Supports Signals up to DCI 4K25 Multi-Rate, Bidirectional Capability Requires Separate SFP Optical Module Automatic Input Signal Detection 16-Channel Embedded Audio Support Diagrammed Function Switches Update via Converter Utility Software Locking, Universal Power Supply Input	

Update via Converter Utility Video Input Connectors - 1 x BNC
Software (12G-SDI)
Locking, Universal Power Supply Input Video Format - SDI (4:4:4/4:2:2
Input RGB, YUV)
Video Input Connectors - 1 x BNC DCI 4K:
(12G-SDI) 23.98/24/25 fps
Input Video Format - SDI UHD 4K:
(4:4:4/4:2:2 RGB, YUV) 23.98/24/25/29.97/30/50/59.94/60 fps
DCI 4K: DCI 2K:
23.98/24/25 fps 23.98/24/25 fps
UHD 4K: DCI 2KPsF:
DCI 2K: 1080p:
23.98/24/25 fps 23.98/24/25/29.97/30/50/59.94/60 fps
DCI 2KPsF: 1080PsF:
23.98/24/25 fps 23.98/24/25/29.97/30 fps
1080p: 1080i:
23.98/24/25/29.97/30/50/59.94/60 fps 50/59.94/60 fps
1080PsF: Embedded Audio Input - SDI: 16-
23.98/24/25/29.97/30 fps Channel
1080i: Output
50/59.94/60 fps Video Output Connectors - 1 x BNC
Embedded Audio Input - SDI: 16- (12G-SDI/3G-SDI/6G-SDI)
Channel Output Video Format - SDI (10-Bit
Output 4:4:4/4:2:2 RGB, YUV)
Video Output Connectors - 1 x BNC DCI 4K:
(12G-SDI / 3G-SDI / 6G-SDI) 23.98/24/25 fps
Output Video Format - SDI (10-Bit UHD 4K:
4:4/4:2:2 RGB, YUV) 23.98/24/25/29.97/30/50/59.94/60 fps
23.98/24/25 fps 23.98/24/25 fps
UHD 4K: DCI 2KPsF:
23.98/24/25/29.97/30/50/59.94/60 fps 23.98/24/25 fps
DCI 2K: 1080p:
23.98/24/25 fps 23.98/24/25/29.97/30/50/59.94/60 fps
DCI 2KPsF: 1080PsF:
23.98/24/25 fps 23.98/24/25/29.97/30 fps
1080p: 1080i:
23.98/24/25/29.97/30/50/59.94/60 fps 50/59.94/60 fps
1080PsF: Embedded Audio Output SDI:
23.98/24/25/29.97/30 fps 16-Channel
1080i: Standards
50/59.94/60 fps Video Standard Compliance - SMPTE
Embedded Audio Output SDI: 259M/292M/296M/297M/424M-
16-Channel B/425M/ST-2081; ITU -R BT.601
Standards Connectivity
Video Standard Compliance - Expansion Slots - 1 x SFP Slot
SMPTE Signal State
259M/292M/296M/297M/424M- Power Connector - 1 x Barrel (6 to 36
B/425M/ST-2081; ITU -R BT.601 VDC) Input

					Connectivity Expansion Slots - 1 x SFP Slot Power Power Connector - 1 x Barrel (6 to 36 VDC) Input Power Consumption - Power Supply:	Power Consumption - Power Supply: 2 W
32223000-2	3G SFP Optical Module	3G-SDI SFP Optical Module	Australia	Blackmagic Design	2 W Key Features Standard SFP Cage LC Fiber Connections Supports SD and HD Resolutions Add an LC fiber optic connection to any other professional device that supports SFP cages. 3G data rates support SD and HD resolutions, and the fiber optic communication allows for long-distance transmission without quality loss. Form Factor SFP cage Fiber Connector Duplex LC Connectors Compatible with Singlemode Fiber	Key Features Standard SFP Cage LC Fiber Connections Supports SD and HD Resolutions Add an LC fiber optic connection to any other professional device that supports SFP cages. 3G data rates support SD and HD resolutions, and the fiber optic communication allows for long-distance transmission without quality loss. Form Factor SFP cage Fiber Connector Duplex LC Connectors Compatible with Singlemode Fiber
32560000-6	Cable	Indoor Fiber Optic Cable 24x9/125 OS2 LSOH	Moldova	Lantaur	Customised 24 Fibres Indoor/Outdoor Single Mode OS2 Assembly LC, 2.0mm Breakout Cable Length - 120m Connector A - LC UPC Simplex Connector B - LC UPC Simplex Alignment A to B - Fan-out in line 0.5m to Fan-out in line 0.5m Pulling Eye - Pulling Tube-Both Ends Packaging - Spool	Customised 24 Fibres Indoor/Outdoor Single Mode OS2 Assembly LC, 2.0mm Breakout Cable Length - 120m Connector A - LC UPC Simplex Connector B - LC UPC Simplex Alignment A to B - Fan-out in line 0.5m to Fan-out in line 0.5m Pulling Eye - Pulling Tube-Both Ends Packaging - Spool
32560000-6	Cable	Patch-cord LC/UPC-LC/UPC duplex 20m SM	Moldova	Lantaur	20m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch	20m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch
32560000-6	Cable	Patch-cord LC/UPC-LC/UPC duplex 5m SM	Moldova	Lantaur	5m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch	5m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch
32560000-6	Cable	Patch-cord LC/UPC-LC/UPC duplex 30m SM	Moldova	Lantaur	30m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch	30m LC UPC to LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Fibre Optic Patch
32560000-6	Panel	19" Patch-panel 24 port (1pcs) Adapter LC SM duplex (24pcs) Pigtail LC SM(48pcs)	Moldova	Lantaur	Adapter Panel, 48 Fibres OS2 Single Mode, 24x LC UPC Duplex Adapter, Ceramic Sleeve	Adapter Panel, 48 Fibres OS2 Single Mode, 24x LC UPC Duplex Adapter, Ceramic Sleeve

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32350000-1	SDI Cable	VD5062SH-E.200	Germany	Klotz	construction inner conductor: solid bare copper, Ø 0.60 mm insulation: Foam-Skin PE, gas injected, Ø 2.8 mm shielding: AL/PET/AL double-layer foil + tinned copper braid (92% coverage) outer jacket: FRNC overall diameter: 4.5 mm mechanics working temperature: -30°C / +70°C min. bending radius: 25 mm	construction inner conductor: solid bare copper, Ø 0.60 mm insulation: Foam-Skin PE, gas injected , Ø 2.8 mm shielding: AL/PET/AL double-layer foil + tinned copper braid (92% coverage) outer jacket: FRNC overall diameter: 4.5 mm mechanics working temperature: -30°C / +70°C min. bending radius: 25 mm	
32350000-1	SDI Connector	NBNC75BFG7	Liechtenstein	Neutrik	Product Connection Type - BNC 75 Ω Gender – male Crimp size Pin: 1.6 mm (square) Shield: 5.0 mm (hex)	Product Connection Type - BNC 75 Ω Gender – male Crimp size Pin: 1.6 mm (square) Shield: 5.0 mm (hex)	
32224000-9	Stand	24624 Lighting stand	Germany	König & Meyer	Lighting stand (echivalent K&M 24624) Base dimensions - 550 x 550 mm Height from 1,400 to 2,400 mm Height adjustment - spring-loaded bolt and locking screw Leg construction - flat steel plate Material – steel Max. load capacity*18 kg Special features - integrated shock absorber; gradual height adjustment system; zinc die-cast connecting parts Type – black Weight - 17.49 kg	Lighting stand (echivalent K&M 24624) Base dimensions - 550 x 550 mm Height from 1,400 to 2,400 mm Height adjustment - spring-loaded bolt and locking screw Leg construction - flat steel plate Material - steel Max. load capacity*18 kg Special features - integrated shock absorber; gradual height adjustment system; zinc die-cast connecting parts Type - black Weight - 17.49 kg	
	Instalare				Instalarea și punerea în funcțiune a sistemului de camere video; Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare, precum și operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	Instalarea și punerea în funcțiune a sistemului de camere video; Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare, precum și operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	
	Lot nr.2 Sistem Playout						
48000000-8	Playout Software	Playout ver 7 HD with 4 ch (1pcs) Playout Modules:	Germany	MagicSoft	Suitable for 24/7 playout for news, music and movies channels, allowing to	Suitable for 24/7 playout for news, music and movies channels, allowing to insert	

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	Audio (1pcs)			insert commercials and to switch	commercials and to switch between	
	Conformance			between multiple live video.	multiple live video.	
	recording (1pcs)			The supported output video modes SD,	The supported output video modes SD,	
				HD and 4K and you can play any media	HD and 4K and you can play any media	
				files (regardless of size or resolution)	files (regardless of size or resolution)	
				because the engine will automatically	because the engine will automatically	
				make the necessary resize and framerate	make the necessary resize and framerate	
				trans-coding (and this works for any	trans-coding (and this works for any	
				media file or live input).	media file or live input).	
				The software works unde Windows 7 /	The software works unde Windows 7 / 8	
				8 /10 and Windows Server 2016 / 2019.	/10 and Windows Server 2016 / 2019.	
				The supported video modes are:	The supported video modes are :	
				HD1080p 23.98 / 24 / 25 / 29.97 / 30	HD1080p 23.98 / 24 / 25 / 29.97 / 30 /	
				/ 50 / 59.94 / 60	50 / 59.94 / 60	
				HD1080i 50 / 59.94	HD1080i 50 / 59.94	
				HD720p 50 / 59.94	HD720p 50 / 59.94	
				SD PAL / NTSC	SD PAL/NTSC	
				Features:	Features:	
				- flexible workflow supporting both	- flexible workflow supporting both	
				database and working with storage	database and working with storage	
				directly	directly	
				- client-Server architecture so multiple	- client-Server architecture so multiple	
				clients can manage the server over	clients can manage the server over	
				network	network	
				- number of output channels per PC - 4	- number of output channels per PC - 4	
				channels	channels	
				- live inputs - 4 inputs (allowing	- live inputs - 4 inputs (allowing	
				switching manually or automatically)	switching manually or automatically)	
				- forced starting time can be assigned	- forced starting time can be assigned for	
				for clips or live inputs	clips or live inputs	
				- automatically transcode for files and	- automatically transcode for files and	
				Live inputs (so any file with size	Live inputs (so any file with size	
				between 8K and 320 x 240 and the	between 8K and 320 x 240 and the	
				framerate between 3 and 120 fps can be	framerate between 3 and 120 fps can be	
				used)	used)	
				- supported input and output cards:	- supported input and output cards:	
				BlackMagic Design (Decklink &	BlackMagic Design (Decklink &	
				Intensity)	Intensity)	
				- NDI (Network Device Interface)	- NDI (Network Device Interface)	
				support for inputs and outputs	support for inputs and outputs	
				- import folders feature (to assign same	- import folders feature (to assign same	
				metadata to all files taken from the	metadata to all files taken from the	
				folder)	folder)	
				- advanced playlist editor supporting	- advanced playlist editor supporting	
				working with multiple level grouping	working with multiple level grouping	
				Features added by the conformance	Features added by the conformance	
				recording module:	recording module:	
				- record the output of each channels	- record the output of each channels using	
				using a H264 codec	a H264 codec	
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The loudness normalization allows using	
using media without requiring a manual media without requiring a manual	
adjustment of the sound level. adjustment of the sound level.	
Other advantages of using the loudness Other advantages of using the loudness	
normalization: normalization:	
- real-time automatically processing, - real-time automatically processing,	
without compression or distortion without compression or distortion	
- offers the best results even if the audio - offers the best results even if the audio	
has a high dynamic range has a high dynamic range	
- possibility to achieve a predictable - possibility to achieve a predictable	
loudness level loudness level	
The list of supported codecs and The list of supported codecs and	
conteiners:	
H264 AVC Intra 50 / 100 .mxf	
H264 8 bit and 10 bit (4:2:0 / 4:2:2) H264 8 bit and 10 bit (4:2:0 / 4:2:2)	
.mp4/.mov/.avi/.mkv/.ts .mp4/.mov/.avi/.mkv/.ts	
Mpeg2 ps / ts (4:2:0 / 4:2:2) .mpeg / Mpeg2 ps / ts (4:2:0 / 4:2:2) .mpeg /	
.mpg / .m2t .mpg / .m2t	
XSCAM 35 and XdCAM 50 .mov / XSCAM 35 and XdCAM 50 .mov /	
l .mxf	
IMX (for both PAL and NTSC) .mxf IMX (for both PAL and NTSC) .mxf	
ProRes .mov ProRes .mov	
HEVC 8 bit and 10 bit (4:2:0 / 4:2:2 HEVC 8 bit and 10 bit (4:2:0 / 4:2:2)	
) .mp4 / .mov / .avi / .mkv / .ts .mp4 / .mov / .avi / .mkv / .ts	
DNxHD 8 bit and 10 bit .mov / .mxf DNxHD 8 bit and 10 bit .mov / .mxf	
DNxHR .mov / .mxf DNxHR .mov / .mxf	
DV .avi / .mov /.mxf /.dv (rawDV) DV .avi / .mov /.mxf /.dv (rawDV)	
DVCPRO .avi / .mov DVCPRO .avi / .mov	
DVCPRO HD .mov DVCPRO HD .mov	
Uncompressed YUV 8 bit .avi / .mov Uncompressed YUV 8 bit .avi / .mov	
Uncompressed YUV 10bit .avi / .mov Uncompressed YUV 10bit .avi / .mov	
Playout License Playout License	
Playout HD with 4 ch + Playout Audio Playout HD with 4 ch + Playout Audio	
Module + Conformance recording Module + Conformance recording	
Echivalent cu MagicSoft Playout Echivalent cu MagicSoft Playout	
MagicSoft CG update from CG ver 7 MagicSoft CG update from CG ver 7 HD	
CG yer 7 to yer 8 HD (license will be to CG yer 8 HD (license will be	
4X000000-X Software Ungrade Germany Magic Soft	
(same rezolution) (same rezolu	
Server SuperServer 5029P-WTR (SYS-5029P-	
Cerințe Minime: WTR)	
-Chassis: 2U – 8 x 3.5 2U Chassis, 8 Hot-swap 3.5" SATA3	
SuperServer SuperServer SATA, Single Socket; drive bays	
48920000 2 5020D WTD (SVS LISA Symposium -Processor: CPU 10U/321, CPU: Intel Aeon CLX 4216 2P 10U/321	
S020P WTP) Base Frequency: 2.1GHz, 1urbo: 2.1G 22M 9.6G1 100W 3647 L1	
3.2Ghz, 22MB Cache, (100W);	
-Memory: 64 Gb DDR4 RAM: 2x 32Gb DDR4-2933 ECC REG	
ECC RDIMM;	
-Boot Drive: 512Gb SSD;	

					-Expansion Slots 4 PCI-E 3.0 x8 (FHFL) slots; 1 PCI-E 3.0 x8 (LP) slot -RAID Controller: RAID(0,1,5,6,10,50,60), 12Gb/s SAS and SATA controller with 1Gb Cache, with Cache Protection Module; -Hard Drive: 8 x 4TB 7.2k SATA 6Gbps, 256MB, HDD Enterprise 3.5; -Network: 2 x RJ45 10-Gigabit Ethernet; -Power Supply: 500W+, Redundant Power; -Rails for server rack; -Warranty: 3 Years; -Include Prelungitor 19 1.5U power socket, PDU02, 9 ports, 16A, 1.8M	Expation Slots: 4 PCI-E 3.0 x8 (FHFL) slots, 1 PCI-E 3.0 x8 (LP) slot RAID: Broadcom 3108 8-port PCI-E SAS-3 controller, Supports RAID 0, 1, 5, 6, 10, 50, 60, 2GB cache. With CacheVault for Broadcom 3108 with SuperCap HDD: 8x 4TB SATA6Gb/s 7.2K RPM 3.5" 256MB Cache Boot: 512GB NVMe M.2 22x80mm <1DWPD, HF, RoHS Network: 2x 10GBase-T ports with Intel X722 + X557 PSU: 2x 500W Redundant Platinum Level power supplies Rails KIT 36 Month Warranty 19" 1.5U power socket, PDU02, 9 ports, 16A, 1.8M, APC Electroni
48820000-2	Server	SuperServer 2029GP-TR (SYS- 2029GP-TR)	USA	Supermicro	Server Cerințe Minime: -Chassis: 2U GPU Server, Dual Socket; -Processor: 2 x CPU 16C/32T, Base Frequency: 2.1GHz, Turbo: 3.2Ghz, 22MB Cache, (100W); -Memory: 128 Gb DDR4 ECC RDIMM; -Expansion Slots 6 x PCI-E 3.0 x16 (double-width) slots 1 x PCI-E 3.0 x16/8 Low-profile -RAID Controller: RAID(0,1,5,6,10,50,60), 12Gb/s SAS and SATA controller with 2Gb Cache, with Cache Protection Module; -Hard Drive: 7 x 960GB 2.5" SATA 6.0Gb/s Solid State Drive; -GPU Accelerator 24GB GDDR6 - PCIe 3.0 x16 - Passive Cooling (4xDP) (Ray Tracing) echivalent la RTX6000 -Network:2 x RJ45 10-Gigabit Ethernet; -Power Supply:1500W+, Redundant Power; -Rails for server rack; -Warranty: 3 Years; -Include Prelungitor 19 1.5U power socket, PDU02, 9 ports, 16A, 1.8M	SuperServer 2029GP-TR (SYS-2029GP-TR) 2U Chassis, 8 Hot-swap 2,5" SATA3 drive bays CPU: 2x Intel Xeon CLX 4216 2P 16C/32T 2.1G 22M 9.6GT 100W 3647 L1 RAM: 4x 32Gb DDR4-2933 ECC REG Expation Slots: 6 PCI-E 3.0 x16 slots (FHFL), 1 PCI-E 3.0 x8 (in x16) slot (LP) RAID: Broadcom 3108 8-port PCI-E SAS-3 controller, Supports RAID 0, 1, 5, 6, 10, 50, 60, 2GB cache. With CacheVault for Broadcom 3108 with SuperCap SSD: 7x 960GB SATA 6Gb/s 2.5" 7mm 3DWPD GPU: NVIDIA Quadro RTX6000 24GB GDDR6 PCIe3.0PassiveCooling Network: SIOM 2-port 10G RJ45, Intel X550 PSU: 2x 2000W (1+1) Redundant Power Supplies Platinum Level (94%) Rails KIT 36 Month Warranty 19" 1.5U power socket, PDU02, 9 ports, 16A, 1.8M, APC Electronic

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					KVM USB DisplayPort HDBaseT TM	KVM USB DisplayPort HDBaseTTM 2.0	
					2.0 Extender integrates the latest	Extender integrates the latest HDBaseT TM	
					HDBaseT™ 2.0 technologies to deliver	2.0 technologies to deliver 4K video,	
					4K video, stereo audio, USB, Ethernet,	stereo audio, USB, Ethernet, and RS-232	
					and RS-232 signals up to 100 meters	signals up to 100 meters using a single	
					using a single Cat6 / 2L-2910 Cat 6	Cat6 / 2L-2910 Cat 6 cable. The	
					cable. The HDBaseT TM 2.0 guarantees	HDBaseT™ 2.0 guarantees the most	
					the most reliable transmission on the	reliable transmission on the market as	
					market as well as enables the long-	well as enables the long-reach capability	
					reach capability that extends full HD	that extends full HD 1080P signals up to	
					1080P signals up to 150 meters. With an	150 meters. With an easy cable	
					easy cable installation supporting	installation supporting various signals,	
					various signals, the KVM is ideal for	the KVM is ideal for applications where	
					applications where convenient remote	convenient remote access is required –	
					access is required – such as	such as transportation control centers,	
					transportation control centers, medical	medical facilities, industrial warehouses,	
					facilities, industrial warehouses, and	and extended workstations.	
					extended workstations.	Connectors	
					Connectors	Console Ports (Remote Unit)	
					Console Ports (Remote Unit)	1 x DisplayPort Female (Black)	
					1 x DisplayPort Female (Black)	3 x USB Type A Female	
					3 x USB Type A Female	1 x Mini Stereo Jack Female (Green)	
					1 x Mini Stereo Jack Female (Green)	1 x Mini Stereo Jack Female (Pink)	
					1 x Mini Stereo Jack Female (Pink)	1 x RJ-45 Female (Black)	
	****				1 x RJ-45 Female (Black)	1 x DB-9 Male (Black)	
32413100-2	KVM extender	CE920	China	Aten	1 x DB-9 Male (Black)	1 x DC Jack with locking	
					1 x DC Jack with locking	1 x RJ-45 Female (Black)	
					1 x RJ-45 Female (Black)	1 x Wakeup button	
					1 x Wakeup button	Video Up to 4K@90m (Cat 5e) / 100m	
					Video Up to 4K@90m (Cat 5e) / 100m	(Cat 6/6a/ATEN 2L-2910 Cat6);	
					(Cat 6/6a/ATEN 2L-2910 Cat6);	1080P@100m (Cat 5e/6/6a); *4K	
					1080P@100m (Cat 5e/6/6a); *4K	supported: 4096 x 2160 / 3840 x 2160 @	
					supported: 4096 x 2160 / 3840 x 2160	30Hz (4:4:4)	
					@ 30Hz (4:4:4)	KVM Ports (Local Unit)	
					KVM Ports (Local Unit)	1 x DisplayPort Female (Black)	
					1 x DisplayPort Female (Black)	1 x USB Type B Female (White)	
					1 x USB Type B Female (White)	1 x Mini Stereo Jack Female (Green)	
					1 x Mini Stereo Jack Female (Green)	1 x Mini Stereo Jack Female (Pink)	
					1 x Mini Stereo Jack Female (Pink)	1 x RJ-45 Female (Black)	
					1 x RJ-45 Female (Black)	1 x RJ-45 Female (Black)	
					1 x RJ-45 Female (Black)	1 x DB-9 Male (Black)	
					1 x DB-9 Male (Black)	1 x DC Jack with locking	
1					1 x DC Jack with locking	Video Up to 4K@90m (Cat 5e) / 100m	
1					Video Up to 4K@90m (Cat 5e) / 100m	(Cat 6/6a/ATEN 2L-2910 Cat6);	
1					(Cat 6/6a/ATEN 2L-2910 Cat6);	1080P@100m (Cat 5e/6/6a); *4K	
					1080P@100m (Cat 5e/6/6a); *4K	supported: 4096 x 2160 / 3840 x 2160 @	
1					supported: 4096 x 2160 / 3840 x 2160	30Hz (4:4:4)	
					@ 30Hz (4:4:4)	Features	
					Features	Supports HDBaseT TM 2.0 technology	
1					Supports HDBaseT TM 2.0 technology	Supports TIDBase 1 2.0 technology	
				1	Supports Tibbase 1 - 2.0 technology		

					- Extends video, audio, USB, RS- 232, and Ethernet signals via a single Cat6 / 6a / 2L-2910 Cat 6 cable - Enhanced bit error detection and correction to resist signal interference during high-quality video transmissions - Status detection and LED indication for HDBaseT™ signal transmission on remote unit EDID Buffer for smooth power-up and the highest quality display Long distance with superior video quality - HDBaseT™ Standard mode up to 4K @ 100m (Cat 6 / 6a / 2L-2910) - HDBaseT™ Long-Reach mode up to 1080P @ 150m Long Reach mode switch – switches between HDBaseT™ Standard and Long Reach modes in a snap USB 2.0 full speed ports – ensures fast transmission speeds for peripherals HDCP Compatible Supports individual 2-channel stereo audio for high-quality audio applications Supports PC wakeup function via single pushbutton through RS-232 channel*	- Extends video, audio, USB, RS-232, and Ethernet signals via a single Cat6 / 6a / 2L-2910 Cat 6 cable - Enhanced bit error detection and correction to resist signal interference during high-quality video transmissions - Status detection and LED indication for HDBaseT™ signal transmission on remote unit EDID Buffer for smooth power-up and the highest quality display Long distance with superior video quality - HDBaseT™ Standard mode up to 4K @ 100m (Cat 6 / 6a / 2L-2910) - HDBaseT™ Long-Reach mode up to 1080P @ 150m Long Reach mode switch − switches between HDBaseT™ Standard and Long Reach modes in a snap USB 2.0 full speed ports − ensures fast transmission speeds for peripherals HDCP Compatible Supports individual 2-channel stereo audio for high-quality audio applications Supports PC wakeup function via single pushbutton through RS-232 channel* Built-in 8KV / 15KV ESD protection	
					Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)	(Contact voltage 8KV; Air voltage 15KV)	
	Instalare				Instalarea și punerea în funcțiune a sistemului de Playout; Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare, precum și operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	Instalarea și punerea în funcțiune a sistemului de Playout; Materiale și elemente pasive/active necesare pentru interconectarea echipamentelor și punerea în funcțiune a acestora; Lucrările de montare, precum și operațiunile de instalare, ajustare; Sistemul va fi predat la cheie; Garanția hardware minim 2 ani.	
	Lot nr. 4 System promter						
32224000-9	System promter	WinPlus-IP (1pcs) XBox-IP (1pcs) HC-IP (2pcs) FC-IP (3pcs) WC-PKG (1pcs)	Great Britain	Autoscript	System promter (echivalent Autoscript WinPlus-IP) Software: (1 pcs) Software offers compatibility with all leading NRCS including: Avid iNews,	System promter (echivalent Autoscript WinPlus-IP) Software: (1 pcs) Software offers compatibility with all leading NRCS including: Avid iNews,	

		MIKROTIK	Dalet. MOS Protocol devices supported	Dalet. MOS Protocol devices supported	
	CRS112-8P-4S-IN		include: Annova Open Media, AP	include: Annova Open Media, AP ENPS,	
			ENPS, News Works, Octopus, Dayang,	News Works, Octopus, Dayang, Sobey,	
			Sobey, NIS4, Inception & Eidos Media.	NIS4, Inception & Eidos Media.	
			Software enables instant script updates	Software enables instant script updates	
			from Newsroom systems. The	from Newsroom systems. The	
			connectivity status of each Newsroom	connectivity status of each Newsroom is	
			is viewable at a glance and can be given	viewable at a glance and can be given a	
			a user defined name for easy reference.	user defined name for easy reference.	
			Busy productions will benefit from	Busy productions will benefit from	
			having multiple rundowns loaded for	having multiple rundowns loaded for	
			multi-programme operation. With	multi-programme operation. With multi-	
			multi-language compatibility,	language compatibility,	
			Includes:	Includes:	
			Closed caption options enable script	Closed caption options enable script to	
			to be outputted for captions/subtitles	be outputted for captions/subtitles	
			Multiple rundowns loaded for multi-	Multiple rundowns loaded for multi-	
			programme operation	programme operation	
			Instant script updates from NRCS for seamless newsroom workflow	Instant script updates from NRCS for seamless newsroom workflow	
			Newsroom connectivity status	Newsroom connectivity status	
			displayed for easy monitoring	displayed for easy monitoring	
			User definable friendly name &	User definable friendly name &	
			newsroom connection type ensures	newsroom connection type ensures	
			simple setup	simple setup	
			Prompter Device: (1 Pcs)	Prompter Device: (1 Pcs)	
			An extremely compact scroll engine. As	An extremely compact scroll engine. As	
			an Intelligent Prompting device it	an Intelligent Prompting device it	
			networks via Ethernet to prompting	networks via Ethernet to prompting	
			software application, where users are	software application, where users are able	
			able to monitor status, manage group	to monitor status, manage group updates	
				, 6 6 1 1	
			updates and remote upgrades. Dual HD-	and remote upgrades. Dual HD-SDI	
			SDI outputs support the distribution of	outputs support the distribution of the	
			the teleprompter video to traditional	teleprompter video to traditional prompt	
			prompt monitors. In addition a Power	monitors. In addition a Power over	
			over Ethernet output can be us ed to	Ethernet output can be us ed to power an	
			power an Intelligent Prompting scroll	Intelligent Prompting scroll control –	
			control – ideal for single controller	ideal for single controller setups. In a	
			setups. In a tough, portable casing with	tough, portable casing with LED status	
			LED status indicator, the XBox-IP	indicator, the XBox-IP offers a modern	
			offers a modern solution for solo	solution for solo operators and users	
			operators and users looking to retain	looking to retain HD/HD-SDI monitors.	
			HD/HD-SDI monitors.	Features:	
			Features:		
				Compact, portable unit	
			Compact, portable unit	Dual HD-SDI output distributes script	
			Dual HD-SDI output distributes	video to traditional prompt monitors	
			script video to traditional prompt	Dual USB ports	
			monitors	PoE output for scroll control avoids the	
		İ	Dual USB ports	need for 3rd party equipment in single-	
			Duai OSB ports	need for 3rd party equipment in single-	1
			Duai OSB ports	controller setups	

		PoE output for scroll control avoids	Network and status indicator	
		the need for 3rd party equipment in	Desktop Hand Control: (2 Pcs.)	
		single-controller setups	Wrist support and neutral hand position	
		Network and status indicator	ensures comfortable, safe operation	
		Desktop Hand Control: (2 Pcs.)	Central button positioning supports left	
		Wrist support and neutral hand	and right-handed operation	
		position ensures comfortable, safe	Two illuminated function buttons	
		operation	programmable in software to suit the	
		Central button positioning supports	operator's desired configuration	
		left and right-handed operation	Powered over Ethernet to simplify	
		Two illuminated function buttons	integration and reduce cabling	
		programmable in software to suit the	Foot Scroll Control: (3 Pcs.)	
		operator's desired configuration	Adjustable sensitivity and range to suit	
		Powered over Ethernet to simplify	unique user profiles	
		integration and reduce cabling	Programmable function button allows	
		Foot Scroll Control: (3 Pcs.)	operator to select their desired	
		Adjustable sensitivity and range to	configuration	
		suit unique user profiles	Powered over Ethernet to simplify	
		Programmable function button allows	integration and reduce cabling	
		operator to select their desired	Remote configuration in software	
		configuration	Wireless Controller and Base Station	
		Powered over Ethernet to simplify	Package (1 pcs)	
		integration and reduce cabling	Intelligent Prompting wireless	
		Remote configuration in software	controller and base station package	
		Wireless Controller and Base Station	Allows total freedom for the presenter	
		Package (1 pcs)	to move around a studio and control the	
		Intelligent Prompting wireless	speed of the prompted text	
		controller and base station package	Include 8-port POE+ Switch (Power	
		Allows total freedom for the	Budget min 100W) (1 pcs)	
		presenter to move around a studio and	- / ` * /	
		control the speed of the prompted text		
		Include 8-port POE+ Switch (Power		
		Budget min 100W) (1 pcs)		
		Instalarea și punerea în funcțiune a	Instalarea și punerea în funcțiune a	
		sistemului de promter;	sistemului de promter;	
		Materiale și elemente pasive/active	Materiale și elemente pasive/active	
		necesare pentru interconectarea	necesare pentru interconectarea	
		echipamentelor și punerea în funcțiune a	echipamentelor și punerea în funcțiune a	
Instalare		acestora;	acestora;	
instalal C		Lucrările de montare, precum si	Lucrările de montare, precum si	
		operațiunile de instalare, integrare,	operațiunile de instalare, integrare,	
		ajustare;	ajustare;	
		1 3	3 /	
		Sistemul va fi predat la cheie; Garanția	Sistemul va fi predat la cheie; Garanția	
		hardware minim 2 ani.	hardware minim 2 ani.	

Semnat: _____ Numele, Prenumele: _Dubit_Oleg_ În calitate de: _Director Ofertantul: _SC_Vizual_Impact_SRL_ Adresa: _or. Chisinau, str. V. Crasescu_nr. 111 ap. 2