Specificaţii 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	Ţara 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						
32224000-9	**PTZ Camera**	AW-UE150W/K (white or black) AW-PS551	Japan	Panasonic	**Features** 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	**Features** 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, tablet, or smartphone (iOS, Android) Maximum 180°/s pan/tilt in high-speed mode Monochrome Night Mode Digital Noise Reduction (DNR) Live streaming via RTMP Upgradable to NDI/HX with license **Image Sensor** Image Sensor - 1-Chip 1" MOS Sensor Horizontal Resolution (TV Lines) - 1600 TV Lines Gain - 0 to 42 dB (Expanded) Signal-to-Noise Ratio - 60 dB Sensitivity - f/9 at 2000 lux White Balance Range - 2000 to 15,000K **Camera** Shutter Speed - 1/24 to 1/10,000 sec Max Digital Zoom - 32x (in 1080p) IR Cut Filter **Lens** Optical Zoom Ratio - 20x Focal Length - 8.8 to 176mm 35mm Equivalent Focal Length - 24.5 to 490mm Field of View - Horizontal: 75.1 to 4°; Vertical: 46.7 to 2.3°; Vertical: 82.8 to 4.6°. Maximum Aperture - f/2.8 to 4.5 Minimum Focusing Distance - Wide: 3.9" / 9.9 cm; Telephoto: 39.6" / 100.6 cm Image Stabilization - Optical Focus Control – Autofocus; Manual Focus **Video Output** Broadcast System Compatibility - NTSC, PAL Output Formats - SDI, HDMI, RJ45, Optical Fiber: 3840x2160p at 24, 25, 29.97, 50fps 1920 x 1080p at 25, 29.97, 50, 59.94 fps 1920 x 1080PsF at 23.98, 25, 29.97 fps 1920 x 1080i at 50, 59.94 fps Embedded Audio – HDMI/SDI	Improved web UI for use with PC, tablet, or smartphone (iOS, Android) Maximum 180°/s pan/tilt in high-speed mode Monochrome Night Mode Digital Noise Reduction (DNR) Live streaming via RTMP Upgradable to NDI/HX with license **Image Sensor** Image Sensor - 1-Chip 1" MOS Sensor Horizontal Resolution (TV Lines) - 1600 TV Lines Gain - 0 to 42 dB (Expanded) Signal-to-Noise Ratio - 60 dB Sensitivity - f/9 at 2000 lux White Balance Range - 2000 to 15,000K **Camera** Shutter Speed - 1/24 to 1/10,000 sec Max Digital Zoom - 32x (in 1080p) IR Cut Filter **Lens** Optical Zoom Ratio - 20x Focal Length - 8.8 to 176mm 35mm Equivalent Focal Length - 24.5 to 490mm Field of View - Horizontal: 75.1 to 4°; Vertical: 46.7 to 2.3°; Vertical: 82.8 to 4.6°. Maximum Aperture - f/2.8 to 4.5 Minimum Focusing Distance - Wide: 3.9" / 9.9 cm; Telephoto: 39.6" / 100.6 cm Image Stabilization - Optical Focus Control – Autofocus; Manual Focus **Video Output** Broadcast System Compatibility - NTSC, PAL Output Formats - SDI, HDMI, RJ45, Optical Fiber: 3840x2160p at 24, 25, 29.97, 50fps 1920 x 1080p at 25, 29.97, 50, 59.94 fps 1920 x 1080PsF at 23.98, 25, 29.97 fps 1920 x 1080i at 50, 59.94 fps Embedded Audio – HDMI/SDI	

32224000-9	**Remote PTZ Camera Controller**	AW-RP150GJ	Japan	Panasonic	(spec column A)	(spec column B)	

The first (upper) row content:

Column A:

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)
<u>Include POE++ Injector 54 VDC at 1.5A Output Voltage, 80W Output Power, 100 to 240 AC at 50/60 Hz Input Voltage (EU) (Echivalent cu POE-54-80W)</u>
<u>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)</u>

Column B:

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)
<u>Include POE++ Injector 54 VDC at 1.5A Output Voltage, 80W Output Power, 100 to 240 AC at 50/60 Hz Input Voltage (EU) (Echivalent cu POE-54-80W)</u>
<u>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)</u>

Second row content (32224000-9, Remote PTZ Camera Controller, AW-RP150GJ, Japan, Panasonic):

Column A:

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)

Column B:

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 1 A	
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	

					menu, Remote control provides the fastest and easiest navigation for every operator.
					   User-friendly operation
					   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 most used controls.
					LED Control - User adjustable brightness control for LEDs.
					Fan Speed Control - User adjustable.
					Echivalent cu Ultimatte Smart Remote 4
						control provides the fastest and easiest navigation for every operator.
						   User-friendly operation
						   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.
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						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.
						LED Control - User adjustable brightness control for LEDs.
						Fan Speed Control - User adjustable.
						Echivalent cu Ultimatte Smart Remote 4	

32224000-9	**Videohub**	Smart Videohub
		
		CleanSwitch 12x12
			Australia	Blackmagic Design	**Key Features**
					   Routing Switcher with Frame Syncing
					   12 x 6G-SDI Inputs / 12 x 6G-SDI Outputs
						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	

					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	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	**Videohub**				**Key Features** Routing Switcher	**Key Features** Routing Switcher	

		Smart Videohub 40x40	Australia	Blackmagic Design	40 x 6G-SDI Inputs / 40 x 6G-SDI Outputs 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 - 40 x 10-bit SD/HD/6G-SDI SDI Video Output - 40 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 - 40 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 - 5" (12.7 cm) LCD for video and menu setting Power Supply - IEC power cables required; 2 x 90 to 240 VAC input(for redundancy)	40 x 6G-SDI Inputs / 40 x 6G-SDI Outputs 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 - 40 x 10-bit SD/HD/6G-SDI SDI Video Output - 40 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 - 40 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 - 5" (12.7 cm) LCD for video and menu settings Power Supply - IEC power cables required; 2 x 90 to 240 VAC input(for redundancy)	

| 32223000-2 | **Converter multiview (Set)** | DMON-16SL UA55AU8000UX | Australia South Korea | Decimator Design Samsung | 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
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
Display Series   8
    Screen Size   55"
    Resolution   3,840 x 2,160
Video
    Picture Engine   Crystal Processor 4K
    PQI (Picture Quality Index)   2200 | 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
Audio ID overlay
Load and restore Custom Layouts
Fast switching between inputs using Full-Screen scaling
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Also includes:
    USB port for control and firmware updates
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    Metal Thread Locking DC Power Socket
    Power Supply, HDMI Cable and USB Cable
Monitor
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 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)	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)	
32323000-3	**Studio Monitor**	DT-G24E	Japan	JVC	**Features** 　Full HD LCD panel 23,8" 1920×1080 pixel with LED back-lighting; Supports 4K-HDMI and 3G-SDI; 10-bit processing Video Processing; Special ZERO Latency Mode for critical Audio/Video applications; Webserver IP remote control; Safety area election: 80%, 85%, 90%, 93%, 95%; Scale marker: 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1; 3DLUT auto colour calibration; Built-in De-log LUTs; User 3DLUT upload; Selectable gamma preset 1.8, 2.2, 2.4 and 2.6.; 16-ch audio level meters with alert and output selection; Built-in	**Features** 　Full HD LCD panel 23,8" 1920×1080 pixel with LED back-lighting; Supports 4K-HDMI and 3G-SDI; 10-bit processing Video Processing; Special ZERO Latency Mode for critical Audio/Video applications; Webserver IP remote control; Safety area election: 80%, 85%, 90%, 93%, 95%; Scale marker: 4:3, 13:9, 14:9, 15:9, 1.85:1, 2.35:1; 3DLUT auto colour calibration; Built-in De-log LUTs; User 3DLUT upload; Selectable gamma preset 1.8, 2.2, 2.4 and 2.6.; 16-ch audio level meters with alert and output selection; Built-in waveform monitor, with Line-Selector (for HDSDI sources);	

				Waveform monitor, with Line-Selector (for HDSDI sources); Built-in vector scope and histogram monitor; H/V delay, freeze frame display mode; Frame/Field view selection; Native scan, over scan and normal scan selection; R/G/B/Mono, False color, Zebra stripes display; Focus assist display mode; USB Firmware update options; V-mount battery plate for field application; GPI control via RS485 port connection; 3 User setting data storage; 6 User definable function keys; On-screen TALLY display (Soft-and Hardware Tally); TSL UMD and User editable video title; SDI Timecode display; AFD (Active Format Description) info display
				Panel Specifications
				  Panel size (diagonal in inch) - 23.8
				  Panel resolution - 1920 X 1080 Pixels
				  Panel Aspect Ratio - 16 to 9
				  Panel Type LCD
				  Panel Modulation IPS
				  Back-light LED
				  Brightness in cd/m² - 250
				  Panel Bit depth: - 8
				  Image Processing Bit depth - 10
				  Viewing angle H/V - H 178 / V 178
				  Contrast Ratio - 1000:1
				IN-OUT´s Connections VIDEO
				  Number of HDSDI Inputs - 2
				  Input HDMI, HDMI 2.0
				  Number of HDMI Inputs - 1
				  Input RGB/VGA, Sub-D 15 PIN
				  Input YUV, 3 x BNC
				  Input Composite, BNC
				  Numbers of Composite Inputs - 1
				  Loop out HDSDI, 3G 2 x 2 (for each unit 2 outs)
				  Loop out HDMI, HDMI 2.0
				  Loop out Composite
				IN-OUT connections AUDIO
				  Audio Line IN, 2 times RCA
				  Headphone out, 3.5 mm mini jack
				  Speaker integrated, 2
				IN-OUT Connections Controls
				  GPI IN, RJ45
				  RS485/422 IN, RJ45
				  RS485/422 Loop out
				  IP Ethernet Port, RJ45	

waveform monitor, with Line-Selector (for HDSDI sources); Built-in vector scope and histogram monitor; H/V delay, freeze frame display mode; Frame/Field view selection; Native scan, over scan and normal scan selection; R/G/B/Mono, False color, Zebra stripes display; Focus assist display mode; USB Firmware update options; V-mount battery plate for field application; GPI control via RS485 port connection; 3 User setting data storage; 6 User definable function keys; On-screen TALLY display (Soft-and Hardware Tally); TSL UMD and User editable video title; SDI Timecode display; AFD (Active Format Description) info display

Panel Specifications
  Panel size (diagonal in inch) - 23.8
  Panel resolution - 1920 X 1080 Pixels
  Panel Aspect Ratio - 16 to 9
  Panel Type LCD
  Panel Modulation IPS
  Back-light LED
  Brightness in cd/m² - 250
  Panel Bit depth: - 8
  Image Processing Bit depth - 10
  Viewing angle H/V - H 178 / V 178
  Contrast Ratio - 1000:1

IN-OUT´s Connections VIDEO
  Number of HDSDI Inputs - 2
  Input HDMI, HDMI 2.0
  Number of HDMI Inputs - 1
  Input RGB/VGA, Sub-D 15 PIN
  Input YUV, 3 x BNC
  Input Composite, BNC
  Numbers of Composite Inputs - 1
  Loop out HDSDI, 3G 2 x 2 (for each unit 2 outs)
  Loop out HDMI, HDMI 2.0
  Loop out Composite

IN-OUT connections AUDIO
  Audio Line IN, 2 times RCA
  Headphone out, 3.5 mm mini jack
  Speaker integrated, 2

IN-OUT Connections Controls
  GPI IN, RJ45

Code	Item	Model	Origin	Brand	Specification 1	Specification 2	
					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** 　Auto source search 　Measurement and indication Tools – Waveform, Vector-scope, Histogram, Audio Level Meter **Power and Enviroment Spec´s** 　Power AC, Build in 110 V to 240 Volts 　Power DC, 11V to 17V 　DC Connector Type: - 4 PIN XLR **Include Package** 　AC Power cord 　Others - Metal Display Stand	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** 　Auto source search 　Measurement and indication Tools – Waveform, Vector-scope, Histogram, Audio Level Meter **Power and Enviroment Spec´s** 　Power AC, Build in 110 V to 240 Volts 　Power DC, 11V to 17V 　DC Connector Type: - 4 PIN XLR **Include Package** 　AC Power cord 　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.	

					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; 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 Supply - 12V universal power supply included with international socket adapters for all countries. Power Consumption - < 20 Watts Operational Voltage Range - 12V - 15V	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; 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 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	Display Series 8 Screen Size 55" Resolution 3,840 x 2,160	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
					  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)	

32223000-2	**Convertor**	Mini Converter Optical Fiber 12G	Australia	Blackmagic Design	**Key Features**
					  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
						Key Features
						  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 Software Locking, Universal Power Supply **Input** Video Input Connectors - 1 x BNC (12G-SDI) Input Video Format - SDI (4:4:4/4:2:2 RGB, YUV) DCI 4K: 23.98/24/25 fps UHD 4K: 23.98/24/25/29.97/30/50/59.94/60 fps DCI 2K: 23.98/24/25 fps DCI 2KPsF: 23.98/24/25 fps 1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080PsF: 23.98/24/25/29.97/30 fps 1080i: 50/59.94/60 fps Embedded Audio Input - SDI: 16-Channel **Output** Video Output Connectors - 1 x BNC (12G-SDI / 3G-SDI / 6G-SDI) Output Video Format - SDI (10-Bit 4:4:4/4:2:2 RGB, YUV) DCI 4K: 23.98/24/25 fps UHD 4K: 23.98/24/25/29.97/30/50/59.94/60 fps DCI 2K: 23.98/24/25 fps DCI 2KPsF: 23.98/24/25 fps 1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080PsF: 23.98/24/25/29.97/30 fps 1080i: 50/59.94/60 fps Embedded Audio Output SDI: 16-Channel **Standards** Video Standard Compliance - SMPTE 259M/292M/296M/297M/424M-B/425M/ST-2081; ITU -R BT.601	Video Input Connectors - 1 x BNC (12G-SDI) Input Video Format - SDI (4:4:4/4:2:2 RGB, YUV) DCI 4K: 23.98/24/25 fps UHD 4K: 23.98/24/25/29.97/30/50/59.94/60 fps DCI 2K: 23.98/24/25 fps DCI 2KPsF: 23.98/24/25 fps 1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080PsF: 23.98/24/25/29.97/30 fps 1080i: 50/59.94/60 fps Embedded Audio Input - SDI: 16-Channel **Output** Video Output Connectors - 1 x BNC (12G-SDI / 3G-SDI / 6G-SDI) Output Video Format - SDI (10-Bit 4:4:4/4:2:2 RGB, YUV) DCI 4K: 23.98/24/25 fps UHD 4K: 23.98/24/25/29.97/30/50/59.94/60 fps DCI 2K: 23.98/24/25 fps DCI 2KPsF: 23.98/24/25 fps 1080p: 23.98/24/25/29.97/30/50/59.94/60 fps 1080PsF: 23.98/24/25/29.97/30 fps 1080i: 50/59.94/60 fps Embedded Audio Output SDI: 16-Channel **Standards** Video Standard Compliance - SMPTE 259M/292M/296M/297M/424M-B/425M/ST-2081; ITU -R BT.601 **Connectivity** Expansion Slots - 1 x SFP Slot **Power** Power Connector - 1 x Barrel (6 to 36 VDC) Input	

					Connectivity
					  Expansion Slots - 1 x SFP Slot
					Power
					  Power Connector - 1 x Barrel (6 to 36 VDC) Input
					  Power Consumption - Power Supply: 2 W
						Power Consumption - Power Supply: 2 W	

32223000-2	**3G SFP Optical Module**	3G-SDI SFP Optical Module	Australia	Blackmagic Design	**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	

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	

| | | Audio (1pcs) Conformance recording (1pcs) | | | insert commercials and to switch between multiple live video.
The supported output video modes SD, HD and 4K and you can play any media files (regardless of size or resolution) because the engine will automatically make the necessary resize and framerate trans-coding (and this works for any media file or live input).
The software works unde Windows 7 / 8 /10 and Windows Server 2016 / 2019.
The supported video modes are :
    HD1080p 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
    HD1080i 50 / 59.94
    HD720p 50 / 59.94
    SD PAL / NTSC
Features :
- flexible workflow supporting both database and working with storage directly
- client-Server architecture so multiple clients can manage the server over network
- number of output channels per PC - 4 channels
- live inputs - 4 inputs (allowing switching manually or automatically)
- forced starting time can be assigned for clips or live inputs
- automatically transcode for files and Live inputs (so any file with size between 8K and 320 x 240 and the framerate between 3 and 120 fps can be used)
- supported input and output cards: BlackMagic Design (Decklink & Intensity)
- NDI (Network Device Interface) support for inputs and outputs
- import folders feature (to assign same metadata to all files taken from the folder)
- advanced playlist editor supporting working with multiple level grouping Features added by the conformance recording module:
- record the output of each channels using a H264 codec | commercials and to switch between multiple live video.
The supported output video modes SD, HD and 4K and you can play any media files (regardless of size or resolution) because the engine will automatically make the necessary resize and framerate trans-coding (and this works for any media file or live input).
The software works unde Windows 7 / 8 /10 and Windows Server 2016 / 2019.
The supported video modes are :
    HD1080p 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
    HD1080i 50 / 59.94
    HD720p 50 / 59.94
    SD PAL / NTSC
Features :
- flexible workflow supporting both database and working with storage directly
- client-Server architecture so multiple clients can manage the server over network
- number of output channels per PC - 4 channels
- live inputs - 4 inputs (allowing switching manually or automatically)
- forced starting time can be assigned for clips or live inputs
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- supported input and output cards: BlackMagic Design (Decklink & Intensity)
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- record the output of each channels using a H264 codec | |

					The loudness normalization allows using media without requiring a manual adjustment of the sound level. Other advantages of using the loudness normalization: - real-time automatically processing, without compression or distortion - offers the best results even if the audio has a high dynamic range - possibility to achieve a predictable loudness level 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) .mp4 / .mov / .avi / .mkv / .ts Mpeg2 ps / ts (4:2:0 / 4:2:2) .mpeg / .mpg / .m2t XSCAM 35 and XdCAM 50 .mov / .mxf IMX (for both PAL and NTSC) .mxf ProRes .mov HEVC 8 bit and 10 bit (4:2:0 / 4:2:2) .mp4 / .mov / .avi / .mkv / .ts DNxHD 8 bit and 10 bit .mov / .mxf DNxHR .mov / .mxf DV .avi / .mov /.mxf /.dv (rawDV) DVCPRO .avi / .mov DVCPRO HD .mov Uncompressed YUV 8 bit .avi / .mov Uncompressed YUV 10bit .avi / .mov Playout License Playout HD with 4 ch + Playout Audio Module + Conformance recording Echivalent cu MagicSoft Playout	The loudness normalization allows using media without requiring a manual adjustment of the sound level. Other advantages of using the loudness normalization: - real-time automatically processing, without compression or distortion - offers the best results even if the audio has a high dynamic range - possibility to achieve a predictable loudness level 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) .mp4 / .mov / .avi / .mkv / .ts Mpeg2 ps / ts (4:2:0 / 4:2:2) .mpeg / .mpg / .m2t XSCAM 35 and XdCAM 50 .mov / .mxf IMX (for both PAL and NTSC) .mxf ProRes .mov HEVC 8 bit and 10 bit (4:2:0 / 4:2:2) .mp4 / .mov / .avi / .mkv / .ts DNxHD 8 bit and 10 bit .mov / .mxf DNxHR .mov / .mxf DV .avi / .mov /.mxf /.dv (rawDV) DVCPRO .avi / .mov DVCPRO HD .mov Uncompressed YUV 8 bit .avi / .mov Uncompressed YUV 10bit .avi / .mov Playout License Playout HD with 4 ch + Playout Audio Module + Conformance recording Echivalent cu MagicSoft Playout	
48000000-8	**Software Upgrade**	CG ver 7 to ver 8 (same rezolution)	Germany	MagicSoft	MagicSoft CG update from CG ver 7 HD to CG ver 8 HD (license will be instaled/updated on USB dongle from CG version 7)	MagicSoft CG update from CG ver 7 HD to CG ver 8 HD (license will be instaled/updated on USB dongle from CG version 7)	
48820000-2	**Server**	SuperServer 5029P-WTR (SYS-5029P-WTR)	USA	Supermicro	Server Cerințe Minime: -Chassis: 2U – 8 x 3.5 SATA, Single Socket; -Processor: CPU 16C/32T, Base Frequency: 2.1GHz, Turbo: 3.2Ghz, 22MB Cache, (100W); -Memory: 64 Gb DDR4 ECC RDIMM; -Boot Drive: 512Gb SSD;	SuperServer 5029P-WTR (SYS-5029P-WTR) 2U Chassis, 8 Hot-swap 3.5" SATA3 drive bays CPU: Intel Xeon CLX 4216 2P 16C/32T 2.1G 22M 9.6GT 100W 3647 L1 RAM: 2x 32Gb DDR4-2933 ECC REG	

Code	Item	Model	Country	Brand	Minimum Requirements	Offered Specification	
					-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 PCIe3.0--PassiveCooling 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	

| 32413100-2 | KVM extender | CE920 | China | Aten | KVM USB DisplayPort HDBaseT™ 2.0 Extender integrates the latest HDBaseT™ 2.0 technologies to deliver 4K video, stereo audio, USB, Ethernet, and RS-232 signals up to 100 meters using a single Cat6 / 2L-2910 Cat 6 cable. The HDBaseT™ 2.0 guarantees the most reliable transmission on the market as well as enables the long-reach capability that extends full HD 1080P signals up to 150 meters. With an easy cable installation supporting various signals, the KVM is ideal for applications where convenient remote access is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations.
Connectors
　Console Ports (Remote Unit)
1 x DisplayPort Female (Black)
3 x USB Type A Female
1 x Mini Stereo Jack Female (Green)
1 x Mini Stereo Jack Female (Pink)
1 x RJ-45 Female (Black)
1 x DB-9 Male (Black)
1 x DC Jack with locking
1 x RJ-45 Female (Black)
1 x Wakeup button
Video Up to 4K@90m (Cat 5e) / 100m (Cat 6/6a/ATEN 2L-2910 Cat6); 1080P@100m (Cat 5e/6/6a); *4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
　KVM Ports (Local Unit)
1 x DisplayPort Female (Black)
1 x USB Type B Female (White)
1 x Mini Stereo Jack Female (Green)
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)
1 x DC Jack with locking
Video Up to 4K@90m (Cat 5e) / 100m (Cat 6/6a/ATEN 2L-2910 Cat6); 1080P@100m (Cat 5e/6/6a); *4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Features
Supports HDBaseT™ 2.0 technology | KVM USB DisplayPort HDBaseT™ 2.0 Extender integrates the latest HDBaseT™ 2.0 technologies to deliver 4K video, stereo audio, USB, Ethernet, and RS-232 signals up to 100 meters using a single Cat6 / 2L-2910 Cat 6 cable. The HDBaseT™ 2.0 guarantees the most reliable transmission on the market as well as enables the long-reach capability that extends full HD 1080P signals up to 150 meters. With an easy cable installation supporting various signals, the KVM is ideal for applications where convenient remote access is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations.
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Video Up to 4K@90m (Cat 5e) / 100m (Cat 6/6a/ATEN 2L-2910 Cat6); 1080P@100m (Cat 5e/6/6a); *4K supported: 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Features
Supports HDBaseT™ 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* Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)	- 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 (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 Latvia	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 include: Annova Open Media, AP ENPS, News Works, Octopus, Dayang, Sobey, NIS4, Inception & Eidos Media. Software enables instant script updates from Newsroom systems. The connectivity status of each Newsroom is viewable at a glance and can be given a user defined name for easy reference. Busy productions will benefit from having multiple rundowns loaded for multi-programme operation. With multi-language compatibility, Includes:

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

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Features:
Compact, portable unit
Dual HD-SDI output distributes script video to traditional prompt monitors
Dual USB ports
PoE output for scroll control avoids the need for 3rd party equipment in single-controller setups | |
| | | CRS112-8P-4S-IN | | | | | |

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