

Specificații tehnice

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

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1745501307037 din 24.04.2025

Obiectul achiziției: Privind achiziționarea: Echipamente de emisie pentru studioul Radio Moldova

Denumirea bunurilor/serviciilor	Denumirea modelului bunului/serviciului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
1	2	3	4	5	6	7
1.1 Broadcast Controller	Pathfinder Core PRO Router Controller	USA	Axia	<p>It is a 1RU appliance. It brings enterprise server-class redundancy and multiprocessor, multi-threading architecture to real-time broadcast operations. Fast response, deep event logging, and reliable monitoring and control are available in the Router Controller. Access to the Broadcast Controller is browser-based, it's PC platform-independent. It is a toolbox with powerful features that create efficient workflows and facility management. It unifies device monitoring and control, letting you make system-wide changes from one central place - web interface. Controller simplifies routing in complex facilities, even those with thousands of audio sources and destinations, by giving the user easier, more intuitive control over audio workflows.</p> <p>Routing control lets you customize and command your network with streamlined functionality, including Logic Flows - a flow-chart-style events system that makes events easier to create, adjust, and monitor in real-time. intuitive web interface easy configuration and monitoring from any device, and customizable user interfaces provide streamlined control over your entire system. Linux-based appliance makes full use of the processor while freeing you from a Windows-based server.</p> <p>Features:</p>	<p>It is a 1RU appliance. It brings enterprise server-class redundancy and multiprocessor, multi-threading architecture to real-time broadcast operations. Fast response, deep event logging, and reliable monitoring and control are available in the Router Controller. Access to the Broadcast Controller is browser-based, it's PC platform-independent. It is a toolbox with powerful features that create efficient workflows and facility management. It unifies device monitoring and control, letting you make system-wide changes from one central place - web interface. Controller simplifies routing in complex facilities, even those with thousands of audio sources and destinations, by giving the user easier, more intuitive control over audio workflows.</p> <p>Routing control lets you customize and command your network with streamlined functionality, including Logic Flows - a flow-chart-style events system that makes events easier to create, adjust, and monitor in real-time. intuitive web interface easy configuration and monitoring from any device, and customizable user interfaces provide streamlined control over your entire system. Linux-based appliance makes full use of the processor while freeing you from a Windows-based server.</p> <p>Features:</p>	

				<ul style="list-style-type: none"> •Reliable, redundant, system-wide routing control •Use any modern browser on any platform to configure, monitor, and control •Linux-based with a web user interface •Provides route control and customized logic events •Graphical interface with real-time state reporting •Graphical logic gates for creation of complex logic flows •Control protocol for third-party integration, including Device Emulators •Automatic router table generation •Hardware version offers dual Gigabit Ethernet ports and dual-redundant power supplies •Virtual routing for customized views of key audio flows •Customizable user panels •Audio over IP : Livewire+ •Includes 1000 points for use as crosspoint or Logic Flow endpoints •Add-on licenses for additional 500 points for use as crosspoints or Logic Flow endpoints available •Add-on licenses for additional 100 points for use as crosspoints or Logic Flow endpoints also available <p>Specifications: Power Supply AC Input: 100VAC to 240VAC, 50Hz to 60Hz, IEC receptacle, internal fuse Power consumption: 100 Watts, auto-ranging Operating Temperatures : 0 degrees C to +50 degrees C, <90% humidity, no condensation Dimensions: 1RU; 3 year warranty</p>	<ul style="list-style-type: none"> •Reliable, redundant, system-wide routing control •Use any modern browser on any platform to configure, monitor, and control •Linux-based with a web user interface •Provides route control and customized logic events •Graphical interface with real-time state reporting •Graphical logic gates for creation of complex logic flows •Control protocol for third-party integration, including Device Emulators •Automatic router table generation •Hardware version offers dual Gigabit Ethernet ports and dual-redundant power supplies •Virtual routing for customized views of key audio flows •Customizable user panels •Audio over IP : Livewire+ •Includes 1000 points for use as crosspoint or Logic Flow endpoints •Add-on licenses for additional 500 points for use as crosspoints or Logic Flow endpoints available •Add-on licenses for additional 100 points for use as crosspoints or Logic Flow endpoints also available <p>Specifications: Power Supply AC Input: 100VAC to 240VAC, 50Hz to 60Hz, IEC receptacle, internal fuse Power consumption: 100 Watts, auto-ranging Operating Temperatures : 0 degrees C to +50 degrees C, <90% humidity, no condensation Dimensions: 1RU; 3 year warranty</p>	
1.2. Automated Program Archiving	iProFiler Automated Program Archiving (License)	USA	Axia	<p>This logging software lets simultaneously capture 24 stereo audio channels to time-stamped MP3 audio logs directly from IP-Audio network - no audio cards required. Included software records, manages and plays back archived audio files. Recording software runs under Windows XP and later; playback software runs under Windows NT, Windows 2000, Windows 98 or Windows XP and later. Record mode can be set for logging, skimming, or combination of both. Logged audio may be auditioned remotely via LAN, WAN, or Internet.</p> <p>Features:</p>	<p>This logging software lets simultaneously capture 24 stereo audio channels to time-stamped MP3 audio logs directly from IP-Audio network - no audio cards required. Included software records, manages and plays back archived audio files. Recording software runs under Windows XP and later; playback software runs under Windows NT, Windows 2000, Windows 98 or Windows XP and later. Record mode can be set for logging, skimming, or combination of both. Logged audio may be auditioned remotely via LAN, WAN, or Internet.</p> <p>Features:</p>	

			<ul style="list-style-type: none"> •Simultaneously captures up to 24 channels of stereo audio. •Directly records Axia digital audio streams - no sound card needed. •Archived audio can be auditioned remotely via LAN, WAN or the Internet. •iProFiler Live Player streams audio over any IP connection as it's being encoded. Great for consultants or group PDs listening remotely. •NTP Time Sync synchronizes log file timestamps with your house NTP server (if equipped). •Choose your skimming mode: Logging (continuous archival storage of program material), Skimming (records only when talent mic is open), or SmartSkimming (low-bitrate logging switches to a user- specified higher bitrate for quality captures when talent is on-mic). •Recorded audio is time-stamped and stored in easy-to-search 15 minute blocks for fast retrieval. •Standard MP3 file format allows logged audio to be played back on any media player application. Play files in iProFiler Archive Player to view detailed time-of-day data and user annotations. • Easily select & export audio segments to WAV files for external editing. • Choose any standard MP3 bit rate - from 16kbps - 320kbps - for the quality/drive space ratio that best suits your needs. • Encoded program segments can also be set to upload automatically to an external drive, network share or FTP site. • Remote monitoring application lets you "check up" on remotely using a LAN or Internet connection; monitors disk space & audio presence. <p>Specifications: Operating System</p> <ul style="list-style-type: none"> • Server: requires Windows XP or later. <p>WAN/Internet connection required for remote monitoring.</p> <ul style="list-style-type: none"> • Client: Requires Windows XP, Windows Vista, or Windows 7. <p>Operating modes</p> <ul style="list-style-type: none"> • Logging (continuous archival storage of program material) 	<ul style="list-style-type: none"> •Simultaneously captures up to 24 channels of stereo audio. •Directly records Axia digital audio streams - no sound card needed. •Archived audio can be auditioned remotely via LAN, WAN or the Internet. •iProFiler Live Player streams audio over any IP connection as it's being encoded. Great for consultants or group PDs listening remotely. •NTP Time Sync synchronizes log file timestamps with your house NTP server (if equipped). •Choose your skimming mode: Logging (continuous archival storage of program material), Skimming (records only when talent mic is open), or SmartSkimming (low-bitrate logging switches to a user- specified higher bitrate for quality captures when talent is on-mic). •Recorded audio is time-stamped and stored in easy-to-search 15 minute blocks for fast retrieval. •Standard MP3 file format allows logged audio to be played back on any media player application. Play files in iProFiler Archive Player to view detailed time-of-day data and user annotations. • Easily select & export audio segments to WAV files for external editing. • Choose any standard MP3 bit rate - from 16kbps - 320kbps - for the quality/drive space ratio that best suits your needs. • Encoded program segments can also be set to upload automatically to an external drive, network share or FTP site. • Remote monitoring application lets you "check up" on remotely using a LAN or Internet connection; monitors disk space & audio presence. <p>Specifications: Operating System</p> <ul style="list-style-type: none"> • Server: requires Windows XP or later. <p>WAN/Internet connection required for remote monitoring.</p> <ul style="list-style-type: none"> • Client: Requires Windows XP, Windows Vista, or Windows 7. <p>Operating modes</p> <ul style="list-style-type: none"> • Logging (continuous archival storage of program material) 	
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				<ul style="list-style-type: none"> • Skimming (records only when talent mic is open) • SmartSkimming (low-bitrate logging switches to a user-specified higher bitrate for quality captures when talent is on-mic) • Scheduled recording (date and time + length of program) <p>Audio Interface</p> <ul style="list-style-type: none"> • 100BASE-T or better Ethernet NIC with connection to Axia IP-Audio Network. • Supports up to 24 stereo streams simultaneously. <p>Audio Specifications</p> <ul style="list-style-type: none"> • Storage Format: MP3. • Comproession Algorithm: Genuine Fraunhofer IIS • Bit Rates Available: 8 kbps to 320 kbps, in standard increments • Pre-roll and Post-roll Skim delay: up to 10 seconds, user-definable <p>(Similar Axia iProfiler Automated Program Archiving)</p>	<ul style="list-style-type: none"> • Skimming (records only when talent mic is open) • SmartSkimming (low-bitrate logging switches to a user-specified higher bitrate for quality captures when talent is on-mic) • Scheduled recording (date and time + length of program) <p>Audio Interface</p> <ul style="list-style-type: none"> • 100BASE-T or better Ethernet NIC with connection to Axia IP-Audio Network. • Supports up to 24 stereo streams simultaneously. <p>Audio Specifications</p> <ul style="list-style-type: none"> • Storage Format: MP3. • Comproession Algorithm: Genuine Fraunhofer IIS • Bit Rates Available: 8 kbps to 320 kbps, in standard increments • Pre-roll and Post-roll Skim delay: up to 10 seconds, user-definable <p>(Similar Axia iProfiler Automated Program Archiving)</p>	
1.3. Flush-mount frame 6.5U, w/2 Power	Quasar flush-mount frame 6.5U, w/2 Power Supplies	USA	Axia	<p>Flush-Mount Frames form the flush-mount hardware backbone for all Quasar family consoles in 6.5U size. These size support the combination of a master module with 20 faders. Power supplies are included with the purchase of each frame. 3 year warranty.</p> <p>(Similar Quasar flush-mount frame 6.5U, w/2 Power)</p>	<p>Flush-Mount Frames form the flush-mount hardware backbone for all Quasar family consoles in 6.5U size. These size support the combination of a master module with 20 faders. Power supplies are included with the purchase of each frame. 3 year warranty.</p> <p>(Similar Quasar flush-mount frame 6.5U, w/2 Power)</p>	
1.4. Redundant PSU (Factory Installed)	Quasar Redundant PSU (Factory Installed)	USA	Axia	<p>The Rear Power Supply Unit module fits in the rear panel of Quasar Console Frame, and has the same width of a 4-ch fader module. One PSU is enough to power a 16-fader console. Two PSUs are needed for redundant operation. For larger size consoles, up to 28 faders in a single frame, a minimum of two Power Supply Modules are required, and up to four can be fitted for redundant operation. PSU's factory installed when ordering Quasar Mainframe. 3 year warranty.</p>	<p>The Rear Power Supply Unit module fits in the rear panel of Quasar Console Frame, and has the same width of a 4-ch fader module. One PSU is enough to power a 16-fader console. Two PSUs are needed for redundant operation. For larger size consoles, up to 28 faders in a single frame, a minimum of two Power Supply Modules are required, and up to four can be fitted for redundant operation. PSU's factory installed when ordering Quasar Mainframe. 3 year warranty.</p>	
1.5. Master Touch Screen and Monitor Module (Factory Installed)	Quasar MTS-MON Module (Factory Installed)	USA	Axia	<p>The Master TouchScreen and Monitor modul is the brain and heart of Quasar Console. One module is always required to operate a console. It features a 12.1" TFT IPS Touschreen display, 7x Touch-Sensitive high-resolution optical encoders, up to 4x Banks of 8 Touch-Sensitive RGB User Buttons, 4x Layer buttons, dual</p>	<p>The Master TouchScreen and Monitor modul is the brain and heart of Quasar Console. One module is always required to operate a console. It features a 12.1" TFT IPS Touschreen display, 7x Touch-Sensitive high-resolution optical encoders, up to 4x Banks of 8 Touch-Sensitive RGB User Buttons, 4x Layer buttons, dual</p>	

				Gigabit Ethernet, HDMI, and USB connectivity. 3 year warranty.	Gigabit Ethernet, HDMI, and USB connectivity. 3 year warranty.	
1.6. Fader Module (Factory Installed)	Quasar SR-4FAD Module (Factory Installed)	USA	Axia	SR-4Fader modules offer touch-sensitive controls and non-motorized faders as standard features, confidence-class metering, source-drive color-coding, and customizable hardware buttons on the entire surface. A variety of source profile types provide control of mic/line inputs, telephones, codecs, and other devices. Enhanced, integrated features for phones and codecs include auto-assigned mix-minus on each channel, easy talkback for remote talent cueing, one-button off-air phone record mode, and integrated, touchscreen-based Telco line switching that can interface with Telos phone hybrids and VoIP/SIP talk-show systems. 3 year warranty.	SR-4Fader modules offer touch-sensitive controls and non-motorized faders as standard features, confidence-class metering, source-drive color-coding, and customizable hardware buttons on the entire surface. A variety of source profile types provide control of mic/line inputs, telephones, codecs, and other devices. Enhanced, integrated features for phones and codecs include auto-assigned mix-minus on each channel, easy talkback for remote talent cueing, one-button off-air phone record mode, and integrated, touchscreen-based Telco line switching that can interface with Telos phone hybrids and VoIP/SIP talk-show systems. 3 year warranty.	
1.7. Expansion licenses	16 Channel Engine Expansion license	USA	Axia	Additional channel expansion licenses for Axia Quasar	Additional channel expansion licenses for Axia Quasar	
1.8. Analog Node	xNode2 Analog	USA	Axia	<p>The Analog Node has 8 mono or 4 stereo balanced line-level inputs and 8 mono or 4 stereo balanced line-level outputs, on RJ-45 and DB-25 connectors. Each input is switchable to accommodate either consumer-level -10dBv or professional level +4dBu sources. The short-circuit protected outputs can deliver up to +24dBu before clipping.</p> <p>Features:</p> <ul style="list-style-type: none"> • Fanless design with cast-aluminum heat-sinks. • Fully AES67-compliant AoIP interface; support of Livewire+ hardware as well as audio streams from other AES67-compliant devices. • AoIP I/O device that is Livewire+™ AES67, RAVENNA, and AES67 compliant. • Front-panel multi-function OLED display display meters inputs and outputs, gives software and other status information. • Redundant power plan uses AC and Power over Ethernet (IEEE 802.3af) supplied by compliant Ethernet switches. • redundant network connection. • Built-in Syslog server with configurable event filter and SNMP. • I/O connections via RJ-45 audio connectors or DB-25 connections, 	<p>The Analog Node has 8 mono or 4 stereo balanced line-level inputs and 8 mono or 4 stereo balanced line-level outputs, on RJ-45 and DB-25 connectors. Each input is switchable to accommodate either consumer-level -10dBv or professional level +4dBu sources. The short-circuit protected outputs can deliver up to +24dBu before clipping.</p> <p>Features:</p> <ul style="list-style-type: none"> • Fanless design with cast-aluminum heat-sinks. • Fully AES67-compliant AoIP interface; support of Livewire+ hardware as well as audio streams from other AES67-compliant devices. • AoIP I/O device that is Livewire+™ AES67, RAVENNA, and AES67 compliant. • Front-panel multi-function OLED display display meters inputs and outputs, gives software and other status information. • Redundant power plan uses AC and Power over Ethernet (IEEE 802.3af) supplied by compliant Ethernet switches. • redundant network connection. • Built-in Syslog server with configurable event filter and SNMP. • I/O connections via RJ-45 audio connectors or DB-25 connections, 	

				<ul style="list-style-type: none"> • Versatile mounting options: Use freestanding, rack singly or side-by-side in 1 RU, or wall-mount using an optional surface-mount kit. • SAP Suppor. <p>Analog Line Inputs</p> <ul style="list-style-type: none"> • Input Impedance: >40k Ohms, balanced • Nominal Input Range: Selectable, +4 dBu or -10dBv • Input Headroom: 20 dB above nominal input <p>Analog Line Outputs</p> <ul style="list-style-type: none"> • Output Source Impedance: <50 Ohms balanced • Output Load Impedance: 600 Ohms, minimum • Nominal Output Level: +4 dBu • Maximum Output Level: +24 dBu Dynamic Range • Analog Inputs to Analog Outputs 108dB referenced to 0dBFs, 111dB A-weighted <p>Frequency Response</p> <ul style="list-style-type: none"> • Any Input to Any Output: +/- 0.5 dB, 20 Hz to 20 kHz <p>Latency</p> <ul style="list-style-type: none"> • Analog Input to Analog Output, 2.75ms including network, converters, and mixing process <p>Total Harmonic Distortion + Noise</p> <ul style="list-style-type: none"> • Analog Input to Analog Output: < 0.005%, 1 kHz, +18dBu input, +18dBu output <p>Crosstalk Isolation, Stereo Separation and CMRR</p> <ul style="list-style-type: none"> • Analog Line Channel to Channel Isolation: 90dB minimum, 20Hz to 20kHz • Analog Line Stereo Separation: 85dB minimum, 20Hz to 20kHz • Analog Line Input CMRR: 80dB minimum, 20Hz to 20kHz <p>Power Supply AC Input</p> <ul style="list-style-type: none"> • Auto-Ranging Supply, 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures</p> <ul style="list-style-type: none"> • 0 degree C to +40 degree C, <90% humidity, no condensation; 3 year warranty. 	<ul style="list-style-type: none"> • Versatile mounting options: Use freestanding, rack singly or side-by-side in 1 RU, or wall-mount using an optional surface-mount kit. • SAP Suppor. <p>Analog Line Inputs</p> <ul style="list-style-type: none"> • Input Impedance: >40k Ohms, balanced • Nominal Input Range: Selectable, +4 dBu or -10dBv • Input Headroom: 20 dB above nominal input <p>Analog Line Outputs</p> <ul style="list-style-type: none"> • Output Source Impedance: <50 Ohms balanced • Output Load Impedance: 600 Ohms, minimum • Nominal Output Level: +4 dBu • Maximum Output Level: +24 dBu Dynamic Range • Analog Inputs to Analog Outputs 108dB referenced to 0dBFs, 111dB A-weighted <p>Frequency Response</p> <ul style="list-style-type: none"> • Any Input to Any Output: +/- 0.5 dB, 20 Hz to 20 kHz <p>Latency</p> <ul style="list-style-type: none"> • Analog Input to Analog Output, 2.75ms including network, converters, and mixing process <p>Total Harmonic Distortion + Noise</p> <ul style="list-style-type: none"> • Analog Input to Analog Output: < 0.005%, 1 kHz, +18dBu input, +18dBu output <p>Crosstalk Isolation, Stereo Separation and CMRR</p> <ul style="list-style-type: none"> • Analog Line Channel to Channel Isolation: 90dB minimum, 20Hz to 20kHz • Analog Line Stereo Separation: 85dB minimum, 20Hz to 20kHz • Analog Line Input CMRR: 80dB minimum, 20Hz to 20kHz <p>Power Supply AC Input</p> <ul style="list-style-type: none"> • Auto-Ranging Supply, 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures</p> <ul style="list-style-type: none"> • 0 degree C to +40 degree C, <90% humidity, no condensation; 3 year warranty. 	
1.9. AoIP Mixing Engine	Quasar Engine Base (16 Channel)	USA	Axia	<p>Features: The Engine provides bulletproof mixing console signal processing for Quasar surfaces. Each engine is equipped with multiple simultaneous AoIP inputs, outputs, automatic mix-minus feeds, monitor signals, etc., and can provide Input Filters, Dynamics, EQ De-Esser</p>	<p>Features: The Engine provides bulletproof mixing console signal processing for Quasar surfaces. Each engine is equipped with multiple simultaneous AoIP inputs, outputs, automatic mix-minus feeds, monitor signals, etc., and can provide Input Filters, Dynamics, EQ De-Esser</p>	

				<p>and Automixer for all channels, as well as studio headphone processing and multiple VMix (Virtual Mixer) channels. The third-generation Engine is a appliance based on industrial server-class hardware, it is one rack unit with dual Gigabit Ethernet ports and dual-redundant hot-swap power supplies with automatic switching.</p> <ul style="list-style-type: none"> •Super-reliable DSP platform based on proven native AoIP processing technology •Starts at 16 stereo channels and scales up in blocks of 16 channels, up to 64 channels •Variable slope Hi-Pass and Lo-Pass filters plus variable position insert sends and returns on every channel •4-band fully parametric EQ and powerful dynamics processing including talent headphone processing plus a de-esser and a low-latency peak limiter on every channel •Filters, dynamics processing, and True Peak limiting on Program, Record, and Phone buses •Gain-Sharing Automixer on every channel •Four program buses and eight auxiliary buses per channel •Virtual Mixer (VMix) with 16 independent 5-channel V-Mixers that extend the mixing capacity and flexibility of your Quasar console •Support for AES67, Livewire+ •Redundant power is standard <p>Specifications: Auto-sensing power supplies, 90VAC to 240VAC, 50 Hz to 60 Hz. 100 Watts. Rackmount, 1RU 3 year warranty</p>	<p>and Automixer for all channels, as well as studio headphone processing and multiple VMix (Virtual Mixer) channels. The third-generation Engine is a appliance based on industrial server-class hardware, it is one rack unit with dual Gigabit Ethernet ports and dual-redundant hot-swap power supplies with automatic switching.</p> <ul style="list-style-type: none"> •Super-reliable DSP platform based on proven native AoIP processing technology •Starts at 16 stereo channels and scales up in blocks of 16 channels, up to 64 channels •Variable slope Hi-Pass and Lo-Pass filters plus variable position insert sends and returns on every channel •4-band fully parametric EQ and powerful dynamics processing including talent headphone processing plus a de-esser and a low-latency peak limiter on every channel •Filters, dynamics processing, and True Peak limiting on Program, Record, and Phone buses •Gain-Sharing Automixer on every channel •Four program buses and eight auxiliary buses per channel •Virtual Mixer (VMix) with 16 independent 5-channel V-Mixers that extend the mixing capacity and flexibility of your Quasar console •Support for AES67, Livewire+ •Redundant power is standard <p>Specifications: Auto-sensing power supplies, 90VAC to 240VAC, 50 Hz to 60 Hz. 100 Watts. Rackmount, 1RU 3 year warranty</p>	
1.10 AES/EBU Node	xNode2 AES	USA	Axia	<p>AES/EBU Node has 4 AES/EBU inputs and 4 AES/EBU outputs. Left and right input signals may be split and routed independently as mono signals. Stunning performance specs include 48 kHz sampling rate, 126dB of dynamic range, and <0.0003% THD. Sample rate conversion is available on all inputs; the unit can also be synchronized to a house clock to provide sync to your entire Axia network</p> <p>Digital Audio Inputs and Outputs</p> <ul style="list-style-type: none"> • Reference Level: +4 dBu (-20 dB FSD) • Impedance: 110 Ohm, balanced • Signal Format: AES3 (AES/EBU) • AES3 Input Compliance: 24-bit with sample rate conversion • AES3 Output Compliance: 24-bit 	<p>AES/EBU Node has 4 AES/EBU inputs and 4 AES/EBU outputs. Left and right input signals may be split and routed independently as mono signals. Stunning performance specs include 48 kHz sampling rate, 126dB of dynamic range, and <0.0003% THD. Sample rate conversion is available on all inputs; the unit can also be synchronized to a house clock to provide sync to your entire Axia network</p> <p>Digital Audio Inputs and Outputs</p> <ul style="list-style-type: none"> • Reference Level: +4 dBu (-20 dB FSD) • Impedance: 110 Ohm, balanced • Signal Format: AES3 (AES/EBU) • AES3 Input Compliance: 24-bit with sample rate conversion • AES3 Output Compliance: 24-bit 	

				<ul style="list-style-type: none"> • Digital Reference: Internal (network timebase) or external reference 48 kHz, +/- 2 ppm • Internal Sampling Rate: 48 kHz • Input Sample Rate: 32 kHz to 192kHz • Output Sample Rate: 44.1 kHz or 48kHz • A/D Conversions: 24-bit, Delta-Sigma, 256x oversampling • D/A Conversions: 24-bit, Delta-Sigma, 256x oversampling <p>Frequency Response</p> <ul style="list-style-type: none"> • Any Input to Any Output: +/- 0.5 dB, 20 Hz to 20 kHz <p>Latency</p> <ul style="list-style-type: none"> • Digital Input to Digital Output, 1.75ms including network mixing engine (ASRC off) <p>Dynamic Range</p> <ul style="list-style-type: none"> • Analog Inputs to Digital Outputs 110dB referenced to 0dBFs, 113dB A-weighted • Digital Inputs to Analog Outputs 112dB referenced to 0dBFs, 115dB A-weighted • Digital Inputs to Digital Outputs 126dB <p>Equivalent Input Noise</p> <ul style="list-style-type: none"> • Microphone Preamp: -128 dBu, 150 Ohm source, reference -50 dBu input level <p>Total Harmonic Distortion + Noise</p> <ul style="list-style-type: none"> • Analog Input to Digital Output: < 0.004%, 1 kHz, +18dBu input, -6dBFs output • Digital Input to Analog Output: < 0.004%, 1 kHz, -6dBFs input, +18dBu output <ul style="list-style-type: none"> • Auto-Ranging Supply, 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures</p> <ul style="list-style-type: none"> • 0 degree C to +40 degree C, <90% humidity, no condensation <p>3 year warranty. (Similar Telos Alliance AES/EBU xNode2)</p>	<ul style="list-style-type: none"> • Digital Reference: Internal (network timebase) or external reference 48 kHz, +/- 2 ppm • Internal Sampling Rate: 48 kHz • Input Sample Rate: 32 kHz to 192kHz • Output Sample Rate: 44.1 kHz or 48kHz • A/D Conversions: 24-bit, Delta-Sigma, 256x oversampling • D/A Conversions: 24-bit, Delta-Sigma, 256x oversampling <p>Frequency Response</p> <ul style="list-style-type: none"> • Any Input to Any Output: +/- 0.5 dB, 20 Hz to 20 kHz <p>Latency</p> <ul style="list-style-type: none"> • Digital Input to Digital Output, 1.75ms including network mixing engine (ASRC off) <p>Dynamic Range</p> <ul style="list-style-type: none"> • Analog Inputs to Digital Outputs 110dB referenced to 0dBFs, 113dB A-weighted • Digital Inputs to Analog Outputs 112dB referenced to 0dBFs, 115dB A-weighted • Digital Inputs to Digital Outputs 126dB <p>Equivalent Input Noise</p> <ul style="list-style-type: none"> • Microphone Preamp: -128 dBu, 150 Ohm source, reference -50 dBu input level <p>Total Harmonic Distortion + Noise</p> <ul style="list-style-type: none"> • Analog Input to Digital Output: < 0.004%, 1 kHz, +18dBu input, -6dBFs output • Digital Input to Analog Output: < 0.004%, 1 kHz, -6dBFs input, +18dBu output <ul style="list-style-type: none"> • Auto-Ranging Supply, 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures</p> <ul style="list-style-type: none"> • 0 degree C to +40 degree C, <90% humidity, no condensation <p>3 year warranty. (Similar Telos Alliance AES/EBU xNode2)</p>	
1.11. GPIO Node	xNode2 GPIO	USA	Axia	<p>GPIO xNode provides 6 general-purpose logic ports for machine control of studio peripherals – audio devices, loudspeaker muting relays, signal lamps, etc. – each with 5 opto-isolated inputs and 5 outputs. A logic port can be associated with any audio input or output and routes control data transparently along with the audio.</p> <p>Features:</p> <ul style="list-style-type: none"> • Fanless design with cast-aluminum heat-sinks. • Fully AES67-compliant AoIP interface; support of Livewire+ hardware as well as audio streams from other AES67-compliant devices. 	<p>GPIO xNode provides 6 general-purpose logic ports for machine control of studio peripherals – audio devices, loudspeaker muting relays, signal lamps, etc. – each with 5 opto-isolated inputs and 5 outputs. A logic port can be associated with any audio input or output and routes control data transparently along with the audio.</p> <p>Features:</p> <ul style="list-style-type: none"> • Fanless design with cast-aluminum heat-sinks. • Fully AES67-compliant AoIP interface; support of Livewire+ hardware as well as audio streams from other AES67-compliant devices. 	

				<ul style="list-style-type: none"> • AoIP I/O device that is Livewire+™ AES67, RAVENNA, and AES67 compliant. • Front-panel multi-function OLED display. • Redundant power plan uses AC and Power over Ethernet (IEEE 802.3af) supplied by compliant Ethernet switches. • redundant network connection. • Built-in Syslog server with configurable event filter and SNMP. • I/O connections via RJ-45 audio connectors or DB-25 connections, • Versatile mounting options: Use freestanding, rack singly or side-by-side in 1 RU, or wall-mount using an optional surface-mount kit. • SAP Suppor. <p>Power Supply AC Input</p> <ul style="list-style-type: none"> • Auto-Ranging Supply: 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures: 0 degree C to +40 degree C, <90% humidity, no condensation 3 year warranty.</p>	<ul style="list-style-type: none"> • AoIP I/O device that is Livewire+™ AES67, RAVENNA, and AES67 compliant. • Front-panel multi-function OLED display. • Redundant power plan uses AC and Power over Ethernet (IEEE 802.3af) supplied by compliant Ethernet switches. • redundant network connection. • Built-in Syslog server with configurable event filter and SNMP. • I/O connections via RJ-45 audio connectors or DB-25 connections, • Versatile mounting options: Use freestanding, rack singly or side-by-side in 1 RU, or wall-mount using an optional surface-mount kit. • SAP Suppor. <p>Power Supply AC Input</p> <ul style="list-style-type: none"> • Auto-Ranging Supply: 95VAC to 240VAC, 50Hz to 60Hz, IEC Receptacle, Internal Fuse • Power Consumption: 14 Watts <p>Operating Temperatures: 0 degree C to +40 degree C, <90% humidity, no condensation 3 year warranty.</p>	
1.12. Broadcast Audio Processor	Omnia VOLT Audio Processor for FM	USA	Omnia	<p>Features</p> <ul style="list-style-type: none"> •Frank Foti-designed Clipper for stronger on-air sound. •Flexible Pre-Emphasis Switching. •Dual Variable Composite Outputs to feed a main and backup transmitter. •Variable Pilot Level and Phase let you fine-tune the signal for transmission. •Adjustable SCA input for additional services, including RDS and specialty networks. •19 kHz sync output to synchronize external generators. •Bass Pre-Clipper - Fully adjustable with Tightness and Girth controls. •Adjustable BS-412 Threshold and Processing for full compliance with ITU standards. •BS-412 and Low Latency settings that can be turned on as needed. •Automatic Mono “Dry Voice” Sensing. •Low Latency FM mode. •Stereo Enhancement for FM Analog, without Adding Multipath. •MIB2 compliant SNMP support. •Six Separate AGC Sections - Tunable midband crossover, one wideband, plus five separate time-aligned narrow band sections, each with separate controls for every important parameter. 	<p>Features</p> <ul style="list-style-type: none"> •Frank Foti-designed Clipper for stronger on-air sound. •Flexible Pre-Emphasis Switching. •Dual Variable Composite Outputs to feed a main and backup transmitter. •Variable Pilot Level and Phase let you fine-tune the signal for transmission. •Adjustable SCA input for additional services, including RDS and specialty networks. •19 kHz sync output to synchronize external generators. •Bass Pre-Clipper - Fully adjustable with Tightness and Girth controls. •Adjustable BS-412 Threshold and Processing for full compliance with ITU standards. •BS-412 and Low Latency settings that can be turned on as needed. •Automatic Mono “Dry Voice” Sensing. •Low Latency FM mode. •Stereo Enhancement for FM Analog, without Adding Multipath. •MIB2 compliant SNMP support. •Six Separate AGC Sections - Tunable midband crossover, one wideband, plus five separate time-aligned narrow band sections, each with separate controls for every important parameter. 	

			<ul style="list-style-type: none"> •Five Separate Time-Aligned Limiter Sections - each with separate Drive, Hold, Threshold, and Attack/ Decay controls. •QuickTweak™ Adjustment System. •Variable Deep Bass, Phat Bass, and Warmth enhancers. •Clipper Silk Adjustment. •Variable High-Pass and Switchable Phase Rotator. •Totally Flexible Input / Output - Use analog, AES/EBU digital, Livewire® AoIP inputs or composite outputs. Possibility of adjustment channel balance and correct polarity separately on each input. Save and recall input/output setups for different applications. All outputs are always active, regardless of input type. •Switchable Insert Points for Voltair®, Watermark Encoders, or Other Downstream Encoding •Automatic “Failover” signal switching. •Graphic User Interface •Built-in HTML-5 Server for full control from any modern browser, tablet, or smartphone... without special plug-ins. •Rugged 1RU Construction with easy-to-see LED meters. •Cool Running, Fanless Operation. •Built-In Tone Generator. <p>Specifications:</p> <ul style="list-style-type: none"> •Frequency Response User selection of flat, 50 μs, or 75 μs pre-emphasis curve within \pm 0.50 dB, 30 Hz to 15 kHz. •Signal-to-Noise Ratio Audio >95 dB analog, >120 dB digital I/O. •System Distortion Less than 0.01% THD, 20 Hz – 7.5 kHz (second harmonic distortion above 7.5 kHz is not audible in the FM system). •Latency 16ms nominal, \pm0.5ms depending on IO selection. Low Latency FM version 10ms Input / Output •Composite: Output impedance 75Ω, single-ended and floating over chassis ground. BNC connectors with EMI suppression. Maximum cable 100' / 30M RG-58U. •Output level: Separately adjustable for each of two outputs, 0V - 10V in 0.05V steps. •Pilot Level: Adjustable from 4.0% to 12.0% in 0.1% steps and OFF. Pilot Stability: 19 kHz, \pm 0.5 Hz. S/N: -85 dB typical, 75 μS de- 	<ul style="list-style-type: none"> •Five Separate Time-Aligned Limiter Sections - each with separate Drive, Hold, Threshold, and Attack/ Decay controls. •QuickTweak™ Adjustment System. •Variable Deep Bass, Phat Bass, and Warmth enhancers. •Clipper Silk Adjustment. •Variable High-Pass and Switchable Phase Rotator. •Totally Flexible Input / Output - Use analog, AES/EBU digital, Livewire® AoIP inputs or composite outputs. Possibility of adjustment channel balance and correct polarity separately on each input. Save and recall input/output setups for different applications. All outputs are always active, regardless of input type. •Switchable Insert Points for Voltair®, Watermark Encoders, or Other Downstream Encoding •Automatic “Failover” signal switching. •Graphic User Interface •Built-in HTML-5 Server for full control from any modern browser, tablet, or smartphone... without special plug-ins. •Rugged 1RU Construction with easy-to-see LED meters. •Cool Running, Fanless Operation. •Built-In Tone Generator. <p>Specifications:</p> <ul style="list-style-type: none"> •Frequency Response User selection of flat, 50 μs, or 75 μs pre-emphasis curve within \pm 0.50 dB, 30 Hz to 15 kHz. •Signal-to-Noise Ratio Audio >95 dB analog, >120 dB digital I/O. •System Distortion Less than 0.01% THD, 20 Hz – 7.5 kHz (second harmonic distortion above 7.5 kHz is not audible in the FM system). •Latency 16ms nominal, \pm0.5ms depending on IO selection. Low Latency FM version 10ms Input / Output •Composite: Output impedance 75Ω, single-ended and floating over chassis ground. BNC connectors with EMI suppression. Maximum cable 100' / 30M RG-58U. •Output level: Separately adjustable for each of two outputs, 0V - 10V in 0.05V steps. •Pilot Level: Adjustable from 4.0% to 12.0% in 0.1% steps and OFF. Pilot Stability: 19 kHz, \pm 0.5 Hz. S/N: -85 dB typical, 75 μS de- 	
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				<p>emphasized across 15 kHz, at 100% modulation Distortion: < 0.02% THD 20 Hz – 15 kHz, 75 μS de-emphasized @ 100%.</p> <ul style="list-style-type: none"> •Stereo Separation: > 65 dB, 30 Hz – 15 kHz. <p>Linear Crosstalk: > -80 dB, main to sub or sub to main channel @ 100%. Non-linear Crosstalk: > -80 dB, main to sub or sub to main @ 100%. 38 kHz Suppression: > 70 dB @ 100%. 76 kHz Suppression: > 80 dB @ 100%. Pilot Protection: > -65 dB relative to 9% pilot injection, \pm 1 kHz. 57 kHz (RDS/RBDS) Protection: > -50 dB.</p> <p>Analog</p> <ul style="list-style-type: none"> •Left and Right Stereo on EMI-suppressed XLR-3, balanced with “pin 2 hot.” •Input: Electronic balanced, impedance 10kΩ, nominal +4 dBu, max +22 dBu. •Output: Impedance 20Ω for >600Ω load, +4 dBu nominal, +22 dBu peak. Converters: 24 bit, 128x oversampled with linear-phase anti-aliasing filter. •Crystal Semiconductor CS5361, 24-bit 128x over-sampled delta sigma converter with linear-phase anti-aliasing filter. •Pre-ADC anti-alias filter, with high-pass filter at <10 Hz. •Delta sigma converter with linear-phase and anti-aliasing filter. <p>Digital</p> <ul style="list-style-type: none"> •Stereo per AES/EBU standard, 24-bit resolution. Input locks to any rate 32 kHz – 108 kHz. Output locks to input, internal 48 kHz, or separate external AES/EBU “digital black” reference 32 kHz – 96 kHz. <p>Audio over IP</p> <ul style="list-style-type: none"> •LiveWire Audio and control over IP, on the same RJ-45 used for Ethernet control. <p>Remote Control</p> <ul style="list-style-type: none"> •GPI: EMI suppressed DB-9 at logic levels, +5 V and ground supplied. Ethernet: 10/100BaseTX. •Ethernet on EMI-suppressed RJ-45. TCP/IP control via HTML-5 internal web server, password protected. Manual addressing and port selection. <p>SNMP</p> <ul style="list-style-type: none"> •MIB 2 compliant SNMP support for remote monitoring and control <p>Electrical/Physical</p> <ul style="list-style-type: none"> •Power: 100 - 250 VAC, 47-63 Hz. < 40 VA. Typical draw 12W RMS, maximum 15W RMS. 	<p>emphasized across 15 kHz, at 100% modulation Distortion: < 0.02% THD 20 Hz – 15 kHz, 75 μS de-emphasized @ 100%.</p> <ul style="list-style-type: none"> •Stereo Separation: > 65 dB, 30 Hz – 15 kHz. <p>Linear Crosstalk: > -80 dB, main to sub or sub to main channel @ 100%. Non-linear Crosstalk: > -80 dB, main to sub or sub to main @ 100%. 38 kHz Suppression: > 70 dB @ 100%. 76 kHz Suppression: > 80 dB @ 100%. Pilot Protection: > -65 dB relative to 9% pilot injection, \pm 1 kHz. 57 kHz (RDS/RBDS) Protection: > -50 dB.</p> <p>Analog</p> <ul style="list-style-type: none"> •Left and Right Stereo on EMI-suppressed XLR-3, balanced with “pin 2 hot.” •Input: Electronic balanced, impedance 10kΩ, nominal +4 dBu, max +22 dBu. •Output: Impedance 20Ω for >600Ω load, +4 dBu nominal, +22 dBu peak. Converters: 24 bit, 128x oversampled with linear-phase anti-aliasing filter. •Crystal Semiconductor CS5361, 24-bit 128x over-sampled delta sigma converter with linear-phase anti-aliasing filter. •Pre-ADC anti-alias filter, with high-pass filter at <10 Hz. •Delta sigma converter with linear-phase and anti-aliasing filter. <p>Digital</p> <ul style="list-style-type: none"> •Stereo per AES/EBU standard, 24-bit resolution. Input locks to any rate 32 kHz – 108 kHz. Output locks to input, internal 48 kHz, or separate external AES/EBU “digital black” reference 32 kHz – 96 kHz. <p>Audio over IP</p> <ul style="list-style-type: none"> •LiveWire Audio and control over IP, on the same RJ-45 used for Ethernet control. <p>Remote Control</p> <ul style="list-style-type: none"> •GPI: EMI suppressed DB-9 at logic levels, +5 V and ground supplied. Ethernet: 10/100BaseTX. •Ethernet on EMI-suppressed RJ-45. TCP/IP control via HTML-5 internal web server, password protected. Manual addressing and port selection. <p>SNMP</p> <ul style="list-style-type: none"> •MIB 2 compliant SNMP support for remote monitoring and control <p>Electrical/Physical</p>
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				<p>Internal supply with overVOLTage and short circuit protection. Meets EN55022, EN55011 Level B Conducted Emissions. EN61000-4-2, -3, -4, -5, -6 level 3 immunity compliant. Full international safety approval. CE marked. EMI suppressed IEC male connector. Detachable 3-wire power cords supplied for US and European use. Temperature: 32° to 122° F/0° to 50° C for all operating VOLTage ranges.</p> <ul style="list-style-type: none"> •Humidity: 0-95% RH, non-condensing. •Dimensions: 19” (48.26cm x 13.335 cm x 40.64 cm) including connectors. 	<ul style="list-style-type: none"> •Power: 100 - 250 VAC, 47-63 Hz. < 40 VA. Typical draw 12W RMS, maximum 15W RMS. <p>Internal supply with overVOLTage and short circuit protection. Meets EN55022, EN55011 Level B Conducted Emissions. EN61000-4-2, -3, -4, -5, -6 level 3 immunity compliant. Full international safety approval. CE marked. EMI suppressed IEC male connector. Detachable 3-wire power cords supplied for US and European use. Temperature: 32° to 122° F/0° to 50° C for all operating VOLTage ranges.</p> <ul style="list-style-type: none"> •Humidity: 0-95% RH, non-condensing. •Dimensions: 19” (48.26cm x 13.335 cm x 40.64 cm) including connectors. 	
Lotul nr. 2 Telephone Hybrid	Hx2 Dual Hybrid (AES I/O Opton)	USA	Axia	<p>Two-line POTS telephone hybrids include unique features to make operators’ lives easier, such as Auto-Answer with selectable ring count, a switchable mic/line input, call screening and line- hold features, and front-panel send and receive audio metering. Audio sweetening tools include Telos Digital Dynamic EQ (DDEQ) and adjustable smart leveler, symmetrical wide-range AGC and noise gating by Omnia®, studio adaption and pitch shifter for use in open-speaker applications, and adjustable caller override. Specifications</p> <p>3rd-generation Adaptive Digital Hybrid. Exclusive Feedback Reduction Functions. Send-to-Caller Processing: High-pass Filter, Frequency Shifter, AGC/Limiter, Sample Rate Conversion (with AES option). Receive-From-Caller Processing: High-pass “Hum” Filter, Smart AGC/Platform Leveler, Noise Gate, Telos DDEQ (Digital Dynamic Equalization) 3-band Adaptive Spectral Processor, Sample Rate Conversion (with AES option)</p> <p>Analog Inputs: Send Analog Inputs: 2 (one per hybrid)</p> <p>Connector: XLR Female, Pin 2 High (Active Balanced with RF Protection)</p> <p>Input Range: Selectable between MIC and LINE levels</p>	<p>Two-line POTS telephone hybrids include unique features to make operators’ lives easier, such as Auto-Answer with selectable ring count, a switchable mic/line input, call screening and line- hold features, and front-panel send and receive audio metering. Audio sweetening tools include Telos Digital Dynamic EQ (DDEQ) and adjustable smart leveler, symmetrical wide-range AGC and noise gating by Omnia®, studio adaption and pitch shifter for use in open-speaker applications, and adjustable caller override. Specifications</p> <p>3rd-generation Adaptive Digital Hybrid. Exclusive Feedback Reduction Functions. Send-to-Caller Processing: High-pass Filter, Frequency Shifter, AGC/Limiter, Sample Rate Conversion (with AES option). Receive-From-Caller Processing: High-pass “Hum” Filter, Smart AGC/Platform Leveler, Noise Gate, Telos DDEQ (Digital Dynamic Equalization) 3-band Adaptive Spectral Processor, Sample Rate Conversion (with AES option)</p> <p>Analog Inputs: Send Analog Inputs: 2 (one per hybrid)</p> <p>Connector: XLR Female, Pin 2 High (Active Balanced with RF Protection)</p> <p>Input Range: Selectable between MIC and LINE levels</p>	

				<p>Line Input Level: Adjustable from -10dBV to +8 dBu (nominal) Analog Clip Point : +21 dBu Impedance: Bridging, > 50 Ohms Analog-to-Digital Converter Resolution: 24 bits Analog Outputs: Receive Analog Outputs: 2 (one per hybrid) Connector: XLR Male, Pin 3 High (Active Balanced, RF suppressed; Output Level: Nominal +4 dBu, fixed Impedance: < 50 Ohms Digital-to-Analog Converter Resolution: 24 bits Headroom Before Clipping: 20 dB headroom above 4 dBu nominal levels Audio Performance Frequency Response: 200 to 3400 Hz, +/- 1 dB THD+N: < 0.5% THD+N using 1 KHz sine wave Dynamic Range: Analog in to Analog out, studio loop mode, 10Hz-20Khz. A-weighted: > 92 dB SNR: Analog output, referred to -12dBm phone line signal (+4dBu studio out), 10Hz-20Khz a-weighted: > 72 dB Trans-Hybrid Loss: Analog phone line with ducking, gate, AGC, EQ all OFF relative to +4dBu input level: >55 dB Analog Telephone Line Connectivity Universal interface for worldwide application. Programmable loop current, ring signaling, and flash time. Includes caller ID decoding using Bellcore 212 modem standard. Power Supply Type: Internal auto-ranging, 90–265 VAC auto-switching, 50–60 Hz. Power consumption: 100 Watts. 2 year warranty</p>	<p>Line Input Level: Adjustable from -10dBV to +8 dBu (nominal) Analog Clip Point : +21 dBu Impedance: Bridging, > 50 Ohms Analog-to-Digital Converter Resolution: 24 bits Analog Outputs: Receive Analog Outputs: 2 (one per hybrid) Connector: XLR Male, Pin 3 High (Active Balanced, RF suppressed; Output Level: Nominal +4 dBu, fixed Impedance: < 50 Ohms Digital-to-Analog Converter Resolution: 24 bits Headroom Before Clipping: 20 dB headroom above 4 dBu nominal levels Audio Performance Frequency Response: 200 to 3400 Hz, +/- 1 dB THD+N: < 0.5% THD+N using 1 KHz sine wave Dynamic Range: Analog in to Analog out, studio loop mode, 10Hz-20Khz. A-weighted: > 92 dB SNR: Analog output, referred to -12dBm phone line signal (+4dBu studio out), 10Hz-20Khz a-weighted: > 72 dB Trans-Hybrid Loss: Analog phone line with ducking, gate, AGC, EQ all OFF relative to +4dBu input level: >55 dB Analog Telephone Line Connectivity Universal interface for worldwide application. Programmable loop current, ring signaling, and flash time. Includes caller ID decoding using Bellcore 212 modem standard. Power Supply Type: Internal auto-ranging, 90–265 VAC auto-switching, 50–60 Hz. Power consumption: 100 Watts. 2 year warranty</p>	
6.1 Cablu Video	SC-Vector	Germania	Sommer Cable	<p>Cablu video pentru transmisie digitală SDI / HD-SDI pe distanțe lungi; Proprietăți: Analog, Digital 75 Ω, SDI, 3G-SDI, 6G-SDI Zona de aplicare: Instalare</p>	<p>Cablu video pentru transmisie digitală SDI / HD-SDI pe distanțe lungi; Proprietăți: Analog, Digital 75 Ω, SDI, 3G-SDI, 6G-SDI</p>	

				<p>Zona de aplicare: Studio / Broadcast Zona de aplicare: mobil exterior / interior Zona de aplicare: ELA 100 V Culoare: verde Construcție: 1x02YS (ST) CH0,8 / 3,7 HD-SDI Material înveliș: PVC; Înveliș Ø: 6,00 mm Conductor interior (video): 1 Conductor interior (video) [mm²]: 0,50 Conductor interior Ø (video) [mm]: 0,80 AWG (video): 20 Ecranare: folie AL/PT + împletire de cupru placat cu staniu 85% Șuvițe de cupru (video): 1 Sârmă de cupru Ø (video): [mm] 0,80 Material de izolație a conductorului: gaz injectat-PE Izolarea conductorului Ø [mm]: 3,70 Greutate la 1 m [g]: 40 Sarcina focului pe m [kWh]: 0,16 Varianta de stil: rotundă Factor de scut [%]: 100 Factor de viteză: 0,82 Temperatura min. [° C]: -10; Temperatura max. [° C]: 80 Max. distanța de transmisie (SDI) [m]: 220 Max. Lungimea transmisiei (3G-SDI) [m]: 160 Max. Lungimea transmisiei (6G-SDI) [m]: 70 Capacitate cablu ecran / electric la 1m (video) [pF]: 52,9 Amortizare la 200 MHz (100 m și 20 ° C) [dB]: 11,2 Amortizare la 470 MHz (100 m și 20 ° C) [dB]: 17 Amortizare la 862 MHz (100 m și 20 ° C) [dB]: 24 Amortizare la 1000 MHz (100 m și 20 ° C) [dB]: 26,4 Amortizare la 1485 MHz (100 m și 20 ° C) [dB]: 32,8 Amortizare la 1750 MHz (100 m și 20 ° C) [dB]: 35,9</p>	<p>Zona de aplicare: Instalare Zona de aplicare: Studio / Broadcast Zona de aplicare: mobil exterior / interior Zona de aplicare: ELA 100 V Culoare: verde Construcție: 1x02YS (ST) CH0,8 / 3,7 HD-SDI Material înveliș: PVC; Înveliș Ø: 6,00 mm Conductor interior (video): 1 Conductor interior (video) [mm²]: 0,50 Conductor interior Ø (video) [mm]: 0,80 AWG (video): 20 Ecranare: folie AL/PT + împletire de cupru placat cu staniu 85% Șuvițe de cupru (video): 1 Sârmă de cupru Ø (video): [mm] 0,80 Material de izolație a conductorului: gaz injectat-PE Izolarea conductorului Ø [mm]: 3,70 Greutate la 1 m [g]: 40 Sarcina focului pe m [kWh]: 0,16 Varianta de stil: rotundă Factor de scut [%]: 100 Factor de viteză: 0,82 Temperatura min. [° C]: -10; Temperatura max. [° C]: 80 Max. distanța de transmisie (SDI) [m]: 220 Max. Lungimea transmisiei (3G-SDI) [m]: 160 Max. Lungimea transmisiei (6G-SDI) [m]: 70 Capacitate cablu ecran / electric la 1m (video) [pF]: 52,9 Amortizare la 200 MHz (100 m și 20 ° C) [dB]: 11,2 Amortizare la 470 MHz (100 m și 20 ° C) [dB]: 17 Amortizare la 862 MHz (100 m și 20 ° C) [dB]: 24 Amortizare la 1000 MHz (100 m și 20 ° C) [dB]: 26,4 Amortizare la 1485 MHz (100 m și 20 ° C) [dB]: 32,8</p>	
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				<p>Amortizare la 2150 MHz (100 m și 20 ° C) [dB]: 40,1</p> <p>Amortizare la 3000 MHz (100 m și 20 ° C) [dB]: 47,9</p> <p>Impedanță [Ω]: 75; Rezistența conductorului la 1 km [Ω]: 37</p> <p>Scut. rezistență la 1 km [Ω]: 20</p>	<p>Amortizare la 1750 MHz (100 m și 20 ° C) [dB]: 35,9</p> <p>Amortizare la 2150 MHz (100 m și 20 ° C) [dB]: 40,1</p> <p>Amortizare la 3000 MHz (100 m și 20 ° C) [dB]: 47,9</p> <p>Impedanță [Ω]: 75; Rezistența conductorului la 1 km [Ω]: 37</p> <p>Scut. rezistență la 1 km [Ω]: 20</p>	
6.2 Converter SDI to HDMI	Micro Converter SDI to HDMI 3G	China	BMD	<p>Converter SDI to HDMI 3G (with Power Supply)</p> <p>Connections</p> <p>SDI Video Inputs: 1 x SD, HD or 3G-SDI.</p> <p>SDI Video Outputs: 1 x SDI loop out.</p> <p>HDMI Outputs: HDMI Type A out.</p> <p>Multi Rate Support: Auto detection of SD or HD.</p> <p>Updates, Configurations and Power: USB Type-C.</p> <p>Standards: SDI Video Standards 525i59.94 NTSC, 625i50 PAL</p> <p>HD Video Standards 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60, 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI, 2Kp60 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI, 2KPsF30 DCI</p> <p>SDI Compliance SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M; SDI Video Rates SDI video connections are switchable between standard definition, 720p, 1080i, 1080p and DCI high definition. SDI Color Precision 4:2:2; SDI Color Space YUV; SDI Auto Switching Automatically detects SD, HD and level A or B for 3G-SDI. HDMI Video Standards 525i29.97 NTSC, 625i50 PAL, 720p50, 720p59.94, 720p60; 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30,</p>	<p>Converter SDI to HDMI 3G (with Power Supply)</p> <p>Connections</p> <p>SDI Video Inputs: 1 x SD, HD or 3G-SDI.</p> <p>SDI Video Outputs: 1 x SDI loop out.</p> <p>HDMI Outputs: HDMI Type A out.</p> <p>Multi Rate Support: Auto detection of SD or HD.</p> <p>Updates, Configurations and Power: USB Type-C.</p> <p>Standards: SDI Video Standards 525i59.94 NTSC, 625i50 PAL</p> <p>HD Video Standards 720p50, 720p59.94, 720p60, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080i50, 1080i59.94, 1080i60, 2Kp23.98 DCI, 2Kp24 DCI, 2Kp25 DCI, 2Kp29.97 DCI, 2Kp30 DCI, 2Kp47.95 DCI, 2Kp48 DCI, 2Kp50 DCI, 2Kp59.94 DCI, 2Kp60 DCI, 2KPsF25 DCI, 2KPsF29.97 DCI, 2KPsF30 DCI</p> <p>SDI Compliance SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 424M, SMPTE 425M; SDI Video Rates SDI video connections are switchable between standard definition, 720p, 1080i, 1080p and DCI high definition. SDI Color Precision 4:2:2; SDI Color Space YUV; SDI Auto Switching Automatically detects SD, HD and level A or B for 3G-SDI. HDMI Video Standards 525i29.97 NTSC, 625i50 PAL, 720p50, 720p59.94, 720p60; 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30,</p>	

				1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60 HDMI Color Precision 4:2:2. A 17 point LUT can be loaded via the software utility for calibrating or improving monitor color. HDMI Color Space YUV 1 year warranty. (Similar Micro Converter SDI to HDMI 3G)	1080p47.95, 1080p48, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94, 1080i60 HDMI Color Precision 4:2:2. A 17 point LUT can be loaded via the software utility for calibrating or improving monitor color. HDMI Color Space YUV 1 year warranty. (Similar Micro Converter SDI to HDMI 3G)	
7.1. Conector XLR male	NC3MXX-BAG	Liechtenstein	Neutrik	Tip: Conector XLR male, 3 pini Material carcasă: Metal robust, cu finisaj negru Contacte: Placate cu argint; Sistem de blocare: Secure latch, asigură o conexiune sigură; Diametru cablu: 3.5 mm - 8 mm; Curent nominal: 16 A; Tensiune nominală: 50 V; Rezistență de contact: $\leq 3 \text{ m}\Omega$; (Similar Neutrik NC3MXX-BAG XLR male)	Tip: Conector XLR male, 3 pini Material carcasă: Metal robust, cu finisaj negru Contacte: Placate cu argint; Sistem de blocare: Secure latch, asigură o conexiune sigură; Diametru cablu: 3.5 mm - 8 mm; Curent nominal: 16 A; Tensiune nominală: 50 V; Rezistență de contact: $\leq 3 \text{ m}\Omega$; (Similar Neutrik NC3MXX-BAG XLR male)	
7.2. Conector XLR female	NC3FXX-BAG	Liechtenstein	Neutrik	Tip: Conector XLR female, 3 pini Material carcasă: Metal robust, cu finisaj negru Contacte: Placate cu argint Sistem de blocare: Secure latch, asigură o conexiune sigură Diametru cablu: 3.5 mm - 8 mm Curent nominal: 16 A; Tensiune nominală: 50 V Rezistență de contact: $\leq 3 \text{ m}\Omega$ (Similar Neutrik NC3MXX-BAG XLR female)	Tip: Conector XLR female, 3 pini Material carcasă: Metal robust, cu finisaj negru Contacte: Placate cu argint Sistem de blocare: Secure latch, asigură o conexiune sigură Diametru cablu: 3.5 mm - 8 mm Curent nominal: 16 A; Tensiune nominală: 50 V Rezistență de contact: $\leq 3 \text{ m}\Omega$ (Similar Neutrik NC3MXX-BAG XLR female)	
7.3. Conector Jack 6.35 mm stereo	NP3X	Liechtenstein	Neutrik	Tip Jack Stereo male Rezistența de contact depinde de conectorul de împerechere $\text{m}\Omega$ Rezistența dielectrică 1 kVdc Rezistența izolație $\geq 1 \text{ G}\Omega$ (după testul de căldură umedă) Curent nominal de contact depinde de conectorul de împerechere A Curent nominal 50 V; Diametru cablu 4 - 7 mm; Viața > 1000 cicluri de împerechere Placare contact $2 \text{ }\mu\text{m Ni (Su)}$	Tip Jack Stereo male Rezistența de contact depinde de conectorul de împerechere $\text{m}\Omega$ Rezistența dielectrică 1 kVdc Rezistența izolație $\geq 1 \text{ G}\Omega$ (după testul de căldură umedă) Curent nominal de contact depinde de conectorul de împerechere A Curent nominal 50 V; Diametru cablu 4 - 7 mm; Viața > 1000 cicluri de împerechere Placare contact $2 \text{ }\mu\text{m Ni (Su)}$	

				Insertie Polyamide (PA 6.6 30 % GR); Carcasa Zinc diecast (ZnAl4Cu1); Placare carcasa Nickel (Similar Neutrik NP3X male)	Insertie Polyamide (PA 6.6 30 % GR); Carcasa Zinc diecast (ZnAl4Cu1); Placare carcasa Nickel (Similar Neutrik NP3X male)	
7.4. Conector RCA	NYS373-2	China	Rean	<ul style="list-style-type: none"> • Conector RCA Phono male, • Rezistentă contact $\leq 10 \text{ m}\Omega$; Putere dielectrică 50Hz 0.5kv dc Viata >5,000 de conectari; Cablu 4 - 6 mm, 1.5 mm²; Carcasa PVC; Contacte aurite (Similar Rean NYS 373 Neutrik male) 	<ul style="list-style-type: none"> • Conector RCA Phono male, • Rezistentă contact $\leq 10 \text{ m}\Omega$; Putere dielectrică 50Hz 0.5kv dc Viata >5,000 de conectari; Cablu 4 - 6 mm, 1.5 mm²; Carcasa PVC; Contacte aurite (Similar Rean NYS 373 Neutrik male) 	

Semnăt: Semnăt electronic, Numele, Prenumele: Carabut Vladislav, În calitate de: Director

Ofertantul: SC “Muzic-Prod” S.R.L. Adresa: Moldova, Chisinau, Duresti, str-la II Vovinteni 15