Part Number	Product Name and Description	MSRP
HDTV Tuners		
5114-001	**232-ATSC 4K HDTV Tuner** **Includes: PS12-1.5 Power Supply* & Universal Rack Mount Kit, Optional: HD2-RC IR Remote** • Half rackable unit that tunes analog and digital channels in ATSC, NTSC, and clear QAM formats over Air/Cable with scaling and CC • Decods H.264/ MPEG-2 TV Programs • Always-active HDMI, component, composite video, stereo, and digital coax and TOSlink optical audio ports • Dolby Audio or PCM/Variable PCM digital audio formats for digital audio ports and HDMI • IP streaming output via Ethernet port	$1,130
5111-001	**ATSC-SDI 4i HDTV Tuner with SDI & HDMI** **Includes: PS12-1.5 Power Supply* & Universal Rack Mount Kit, Optional: HD2-RC IR Remote** • Tunes analog and digital channels in ATSC, NTSC, and clear QAM formats over Air/Cable with internal scaling and CC • Decodes H.264/ MPEG-2 TV Programs, delivering up to 1080p video • SDI, HDMI, Ethernet video, analog, stereo, and digital coax and TOSlink optical audio ports • 708/608 captioning data is embedded in the SDI output • IP streaming output via Ethernet port	$1,497
5122-001	**ATSC-mini HDTV Tuner** **Includes: PS12-1.0 Power Supply*** **Optional: HD2-RC IR Remote & IR-RXD Enternal IR Receiver** • Tunes analog and digital channels in ATSC, NTSC, and clear QAM formats over Air/Cable with internal scaling and CC • Decodes H.264/ MPEG-2 TV Programs • Always-active HDMI and stereo analog audio outputs • Web pages for remote setup, configuration, and control • Decods analog and digital closed captioning	$950

* PS12-8-4Y powers up to 4 HDTV Tuners and is available for exchange of PS12-1.5 at the time of purchase when ordering in groups of 3-4

Part Number	Product Name and Description	MSRP
Venue Vizion HDTV Distribution and TV Control		
Venue Vizion	**Venue Vizion - HDTV Distribution and TV Control** **Includes: Four modulators , Twenty IR/232 Display Controllers, One QCA9-33, One ICE-HE-DXL, CC-COM Cables, Power Supplies, Rack Mounting Hardware** **Choice Of:** **Modulators: QMOD-HDMI 2, QMOD-YPB 2, and/or QMOD-HDMI RGB Display Controllers: ICC1-232 and/or ICC1-IRX** • Creates Eight High Definition Channels • Controls twenty displays and/ or projectors • User friendly display control with users' PC, tablet, or smart phone • Ships rack ready, pre-configured, and pre-wired	$14,782
Venue Vizion IPTV	**Venue Vizion IPTV - IPTV Distribution and TV Control** **Includes: Four IPTV Encoders , Twenty QIP-DVX IPTV Decoder/Controllers, One Luxul AV Managed Switch, One IP-DXL, Ethernet Cables, Power Supplies, Rack Mounting Hardware** **Choice Of:** **Encoders: QIP-HDMI 2 and/or QIP-YPB 2** • Creates Eight IPTV Streams • Controls twenty displays and/ or projectors • User friendly display control with users' PC, tablet, or smart phone • Ships rack ready, pre-configured, and pre-wired	$19,995
HDTV Modulators - IPTV Encoders		
5098-001	**QMOD-HDMI 2 HDTV Modulator - IPTV Encoder** **Includes: PS12-2 Power Supply*, two 3.5mm to RCA Audio Cables, & Universal Rack Mount Kit** • Two HDMI (non-HDCP) inputs: up to 1080p video and audio • Accepts stereo, PCM, or pass-through AC-3 audio with two sets of stereo and S/PIDF inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port, simultaneous RF and IPTV output • Adjustable RF output level up to 45dBmV	$2,226
5105-001	**QMOD-HDMI RGB HDTV Modulator - IPTV Encoder** **Includes: PS12-2 Power Supply*, 3.5mm to RCA Audio Cable, RCA to VGA Cable, & Universal Rack Mount Kit** • One HDMI (non-HDCP) input: up to 1080p video and audio • One RGBHV/Component input, up to 1080p video • Accepts stereo, PCM, or pass-through AC-3 audio with two sets of stereo and S/PIDF inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port, simultaneous RF and IPTV Output • Adjustable RF output level up to 45dBmV	$2,226

Part Number	Product Name and Description	MSRP
5104-001	**QMOD-SDI HDMI HDTV Modulator - IPTV Encoder** **Includes: PS12-2 Power Supply*, 3.5mm to RCA Audio Cable, & Universal Rack Mount Kit** • One SDI input: SD/HD/3G 480i to1080p • One HDMI (non-HDCP) input: up to 1080p video and audio • Two Composite/CC video inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Accepts embedded 608/708 and NTSC Line 21 captioning • Encodes embedded, S/PDIF and stereo audio, PCM or AC-3 • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port, simultaneous RF and IPTV output • Adjustable RF output level up to 45dBmV	$2,745
5095-001	**QMOD-SDI 2 HDTV Modulator - IPTV Encoder** **Includes: PS12-2 Power Supply* & Universal Rack Mount Kit** • Two SDI inputs: SD/HD/3G-SDI 480i to 1080p • Two Composite/CC video inputs for captioning or EAS • Accepts embedded 608/708 captioning • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port, simultaneous RF and IPTV output • Adjustable RF output level up to 45dBmV	$3,205
5097-001	**QMOD-YPB 2 HDTV Modulator - IPTV Encoder** **Includes: PS12-2 Power Supply* & Universal Rack Mount Kit** • Two Component inputs: 720p/1080i/480p/480i • Two Composite/CC video inputs for encoding, captioning, or EAS • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port, simultaneous RF and IPTV output • Adjustable RF output level up to 45dBmV	$2,226
* PS12-8-4Y powers up to 4 Modulators and is available for exchange of PS12-2 at the time of purchase when ordering in groups of 3-4		
IPTV Encoders		
5108-001	**QIP-HDMI 2 IPTV Encoder** **Includes: PS12-2 Power Supply*, two 3.5mm to RCA Audio Cables, & Universal Rack Mount Kit** • Two HDMI (non-HDCP) inputs: up to 1080p video and audio • Accepts stereo, PCM, or pass-through AC-3 audio with two sets of stereo and S/PIDF inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port	$2,150
IPTV Encoders (Continued)		
5109-001	**QIP-SDI 2 IPTV Encoder** **Includes: PS12-2 Power Supply* & Universal Rack Mount Kit** • Two SDI inputs: Two SDI inputs: SD/HD/3G-SDI 480i to 1080p • Two Composite/CC video inputs for captioning or EAS • Accepts embedded 608/708 captioning and AC-3/AES Audio, PCM, or pass- through AC-3 audio with two sets of stereo and S/PDIF inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port	$2,977
5110-001	**QIP-SDI HDMI IPTV Encoder** **Includes: PS12-2 Power Supply*, 3.5mm to RCA Audio Cable, & Universal Rack Mount Kit** • One SDI input: One SDI input: SD/HD/3G 480i to1080p • One HDMI (non-HDCP) input: up to 1080p video and audio • Two Composite/CC video inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Accepts embedded 608/708 captioning and AC-3/AES Audio, PCM, or pass- through AC-3 audio with two sets of stereo and S/PDIF inputs • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port	$2,526
5115-001	**QIP-YPB 2 IPTV Encoder** **Includes: PS12-2 Power Supply* & Universal Rack Mount Kit** • Two Component inputs: 720p/1080i/480p/480i • Two Composite/CC video inputs for encoding, captioning, or EAS • Accepts pass-through AC-3 audio with two sets of stereo and S/PDIF inputs • Hardware scalers allow many resolutions, 59.94/60 Hz, and PAL • Creates a high-definition 720p/1080i MPEG-2/H.264 stream • Streams IPTV through GigE Ethernet port	$2,150
* PS12-8-4Y powers up to 4 IPTV Encoders and is available for exchange of PS12-2 at the time of purchase when ordering in groups of 3-4		
Network Switch		

Part Number	Product Name and Description	MSRP
5302-001	**Luxul AV-Series 26-port/24 PoE+ Gigabit Managed Switch** **Includes: Rack Mount Kit, Rubber Feet, Power Cord** The 26-Port Gigabit L2/L3 Managed Switch features rear panel ports and front facing LEDs for clean integration with AV rack systems. The 26-port Gigabit switch includes 24 PoE+ ports, allowing you to use standard Ethernet cable to deliver both power and high speed data to 802.3af/at-compliant devices. It also features advanced management, VLAN and security capabilities to ensure optimal benefit from your home or office network.	$1,767
IPTV Decoders		
5117-001	**IP-SDI 4i IPTV Decoder with SDI** **Includes: PS12-1.5 Power Supply* & Universal Rack Mount Kit, Optional: HD2-RC IR Remote** • Decodes MPEG-2/H.264 MPEG-TS IPTV Streams • SDI and HDMI selectable video output resolutions: 480i, 480p, 720p, 1080i, 1080p, or Auto •1080p fixed at 60Hz frame rate, 1080i and 720p selectable at 60 or 59.94Hz •Decodes analog and digital closed captioning •Passes through 608 and 708 closed caption data on SDI output •Rack-mountable two across in 1RU	$1,474
RF Amplifiers & Combiners		
5081-001	**QCA9-33 Active Combiner** **Includes: PS12-500 Power Supply & Universal Rack Mount Kit** • Combines 8 high-level channels (QMOD 29 dBmV) and one low level input (Cable, ICE-HE DXL at 10-18 dBmV), cascade multiple QCA9-33 units for up to 72 channels in one array • Amplifies with a 3 dB net gain, up to maximum 33 dBmV output level	$368
5082-001	**QCP8 Passive Combiner** **Includes: Universal Rack Mount Kit** • Combines 8 RF sources	$299
5092-001	**QDA4-45 Distribution Amp Combiner** **Includes: PS12-1.0 Power Supply & Universal Rack Mount Kit** • Switches between one input or four input combiner • Adds up to 32dB gain for one input, 25 dB for 4 inputs • Front panel gain adjustment and LCD level display • Provides a maximum output level of up to 50 dBmV • Wideband, low noise amplifier	$481
TV & Display Control		
5059-007	**SW-DX Display Express Software (ONLY)** **Requires : Dedicated Windows PC** • Serves display control Web pages to facility LAN • Display pages automatically create Web buttons for commands • Schedule pages launch presets by date, time and cycle • Alert pages create buttons for video paging and alerts • TV control panels select TV's and change channels, volume and power	$1,805
5059-003	**SSV-DX Display Express PC with Software** **Includes: 1 RU rack mountable PC, power cord, keyboard, mouse, Display Express Software, and RS-232 cable** • 1 RU rack mount computer with Display Express software pre-installed (Windows 10) • Includes 6 month Warranty	$3,826
TV & Display Control (Continued)		
5041-001	**ICE-HE-DXL Display Control Center** **Includes: PS12-500 Power Supply, embedded DXL software, & Universal Rack Mount Kit** • RS-232, USB, and IP Control • Hosts embedded Display Express Lite Software accessed via web browser • Offers control for up to 4000 displays over RF coax • Front-panel menus for system setup	$1,545
5041-002	**IP-DXL Display Control Center** **Includes: PS12-500 Power Supply, embedded DXL software, & Universal Rack Mount Kit** • RS-232, USB, and IP Control • Hosts embedded Display Express Lite Software accessed via web browser • Offers control for up to 4000 IPTV Decoder/Controllers • Front-panel menus for system setup	$1,053

Part Number	Product Name and Description	MSRP
5064-001	**ICC1-232 RS-232 Display Controller, 1-way RF** **Includes: PS12-500, RF "loop-thru" cable, and mounting kit Optional: CC-COM, CC-232, (at least 1 per IC-RC per system)** • Controls most brands of RS-232 controlled TVs and displays • Delivers absolute power control with discrete RS-232 commands	$353
5101-001	**ICC1-IRX Display Controller, 1-way RF** **Includes: PS12-500, RF "loop-thru" cable, mounting kit, and IR Emitter Optional: CC-USB Power Sensor Cable** • Receives control commands through the RF coax • Hosts database of IR commands for most brands of TVs • Senses power status from optional CC-USB Power Sensor Cable for TVs that don't have discrete power commands	$353
5119-001	**ICC1-TC Tuner/Controller** **Includes: PS12-1.5 Power Supply & 12" mini-coax "F" male to male RF cable** • Controls HD display monitors and projectors over coax using Display Express or custom control systems • Employs RS-232 control port for integrated display control, includes onboard database of display control types • Tunes ATSC off-air, clear QAM cable, and analog channels • Always-active HDMI and stereo analog audio outputs • Outputs up to 2160p, decodes both MPEG-2 and H.264 digital programs	$977
5116-001	**QIP-DVX IPTV Decoder/Controller** **Includes: IR Emitter** **Optional: PS12-1.0 Power Supply, IR-RXD External IR Receiver, HD2-RC IR Remote Control, and CC-USB Power Sensor Cable** • Decodes MPEG2/H.264 MPEG-TS IPTV Streams • Receives commands via Ethernet for RS-232 and/or IR display control • HDMI video output resolutions: 480i-4K • PoE, 6W or 11 to 14 VDC at 0.5A max • Optical S/PDIF and USB inputs for IR power sense logic	$655
Light Alert		
5500-001	**LA-B18 Light Alert Remote Controllable Signaling Device** **Includes: 6-32 x 1.75" mounting screws, Optional: PS12-1.0 Power Supply** • RS-232, USB, and IP Control • 17.5" x 0.5" RGB LED bar element • Surface mountable or mounts to 2-gang electrical enclosure • PoE or external 12VDC power supply	$470
Audio		
5088-001	**232-AMP+ Stereo Mixer/Amplifier** **Includes: PS18-3 Power Supply** • Drives one pair stereo speakers at 16W watts per channel at 8 ohms, 20W per channel at 4 ohms • Mixes one stereo line input with two mono inputs, mono inputs can "duck" other inputs, with programmable ducking on/off, threshold, timing and mute levels • Features programmable input levels, maximum and minimum gain, and volume (volume affects stereo input, mono fixed) • UL 2043 plenum rated	$353
5096-001	**232-Amp+W Stereo Mixer/Amplifier** **Includes: PS18-3 Power Supply and rack mounting hardware** • Drives one pair stereo speakers at 16W watts per channel at 8 ohms, 20W per channel at 4 ohms • Mixes one stereo line input with two mono inputs, mono inputs can "duck" other inputs, with programmable ducking on/off, threshold, timing and mute levels • Features programmable input levels, maximum and minimum gain, and volume (volume affects stereo input, mono fixed) • UL 2043 plenum rated	$353
5103-001	**SMG-40, Sound Masking Generator and Amp** **Includes: PS24-2.5 Power Supply, metal enclosure with surface mounting flanges** • Employs pink noise optimized for speech privacy with bass, treble and level adjustment • 3.5mm stereo Music input with independent level control • Outputs 40W at 25V and 4/8 Ohm • Dual RJ-45 outputs compatible with Cambridge Qt Emitters • Provides 3-pin captive-screw terminal for 25V and 4/8 Ohm output • Includes contact closure input for amplifier mute	$496
Power Supplies		
5400-001	**PS12-500 - 12VDC 500mA Power Supply** Powers: QCA9-33, ICC1-232, ICC1-IRX, ICE-HE-DXL,	$23
5401-001	**PS12-1.0 - 12VDC 1.0A Power Supply** Powers: ATSC-mini, QDA4-45, LA-B18	$30

Part Number	Product Name and Description	MSRP
5402-001	**PS12-1.5 - 12VDC 1.5A Power Supply** Powers: 232-ATSC 4K, ATSC-SDI 4i, ICC1-TC, Legacy ATSC-series tuners	$30
5403-001	**PS12-2.0 - 12VDC 2.0A Power Supply** Powers: 2 Channel QMOD and QIP Series Products	$37
5404-001	**PS12-8-4Y - 12VDC 8.0A Power Supply with 4 Unit Y cable** Powers: Powers up to 4 HDTV Tuners, QMODs, or QIPs	$97
5405-001	**PS18-3 - 18VDC 3.0A Power Supply with 2 Pin Terminal** Powers: 232-AMP+ & 232-AMP+W	$52
5406-001	**PS24-2.5 - 24VDC 2.5A Power Supply** Powers: SMG-40	$52
Rack Mount Kits		
5008-001	**RK1 - Single Rack Mount Kit, 1 RU** For: HDTV Tuners, QMODs & Amplifiers Combiners	$45
5008-015	**RK2EZ - Dual Rack Mount Kit, 1 RU** For: HDTV Tuners, QMODs & Amplifiers Combiners	$45
General Accessories		
5024-004	**HD2-RC - IR Remote** For: HDTV Tuners, IPTV Decoders	$45
5032-001	**IR-RXC - External IR Receiver** (works with 232-ATSC 4K, ATSC-SDI 4i, IP-SDI 4i)	$112
5034-001	**IR-RXD - External IR Receiver** (works with QIP-DVX, ATSC-mini, ICC1-TC)	$23
5077-001	**RF-AB - Switch, self termination, closure controlled**	$112
Display Control Accessories		
5061-003	**CC-COM-B - RS-232 Black Null Modem Cable, DB9F-F, 6 Ft.**	$23
5061-009	**CC-COM-3.5 - DB9F-3.5mm, Serial Cable, 6 Ft.** For use on select LG, Samsung and all Sunbrite TV's.	$23
5061-013	**CC-USB - USB to 3.5mm Power Sensor Cable**	$23