

**Media Control Systems**  
**Master Product Price List**  
**Prices Subject to Change Without Notice**  
**Last Update April 24, 2018**

Model	Description	Price
<b>Tightrope Cablecast Products</b>		
CBL-SVR-430	Tightrope Cablecast Pro Server Series 430 <i>(Scheduling, Device Control, Media Library Database, Carousel Video Messaging Framework, requires Carousel Player, 1-RU Chassis, Unlimited Channel Exp, Includes 1TB, RAID-1 System Drives, Dual Power Supplies.)</i>	\$5,000
CBL-SVR440-VOD-6	Tightrope Cablecast Pro Server Series 430, with VOD, 6TB Storage <i>(Scheduling, Device Control, Media Library Database, Carousel Video Messaging Framework, requires Carousel Player, 3-RU Chassis, Unlimited Channel Exp, Dual Power Supply. VOD Software, 250G System Drive, 6TB RAID-5 media HD)</i>	\$8,000
CBL-SVR440-VOD-12	Tightrope Cablecast Pro Server Series 430, with VOD, 12TB Storage <i>(Scheduling, Device Control, Media Library Database, Carousel Video Messaging Framework, requires Carousel Player, 3-RU Chassis, Unlimited Channel Exp, Dual Power Supply. VOD Software, 250G System Drive, 12TB RAID-5 media HD)</i>	\$9,100
CBL-SVR440-VOD-24	Tightrope Cablecast Pro Server Series 430, with VOD, 24TB Storage <i>(Scheduling, Device Control, Media Library Database, Carousel Video Messaging Framework, requires Carousel Player, 3-RU Chassis, Unlimited Channel Exp, Dual Power Supply. VOD Software, 250G System Drive, 24TB RAID-5 media HD)</i>	\$10,000
CBL-FLEXLITE-340	Tightrope Cablecast Flex Lite, HD TV Automation System <i>(Automation System with Built-in multi-format Videosever, 4TB Hard Drive Storage, 1-Output and 1-Record Input or 2-Outputs, HD/SD-SDI with Embedded Audio, 1RU Chassis, Includes Cablecast Automation Software and Carousel Server, 3 year Hardware Warranty.)</i>	\$8,950
CBL-FLEX2-345	Tightrope Cablecast Flex2, HD TV Automation System <i>(Automation System with Built-in multi-format Videosever, 12TB RAID5 Storage, 1-Output and 1-Record Input or 2-Outputs, HD/SD-SDI with Embedded Audio, 2RU Chassis, Includes Cablecast Automation Software and Carousel Server, Redundant Power Supply, 3 year Hardware Warranty.)</i>	\$15,950
CBL-FLEX4-540-20	Tightrope Cablecast FLEX4-20, HD TV Automation System <i>(Automation System with Built-in multi-format Videosever, 20TB RAID5 Storage, 4-I/O Outputs or Record inputs, HD/SD-SDI with Embedded Audio, 2RU Chassis, Includes Cablecast Automation Software and Carousel Server, Redundant Power Supply, 3 year Hardware Warranty.)</i>	\$24,950
CBL-FLEX4-540-40	Tightrope Cablecast FLEX4-40, HD TV Automation System <i>(Automation System with Built-in multi-format Videosever, 40TB RAID5 Storage, 4-I/O Outputs or Record inputs, HD/SD-SDI with Embedded Audio, 2RU Chassis, Includes Cablecast Automation Software and Carousel Server, Redundant Power Supply, 3 year Hardware Warranty.)</i>	\$28,500
CAR-CG340-SDI	Tightrope Carousel Digital Message Player for SX Servers <i>(1-RU Chassis, acts as player for Carousel server software, SDI, composite Video outputs with Gen-lock, Composite, S-Video, HDMI inputs)</i>	\$2,895
CBL-CG340-SVR	Carousel Digital Signage Server Player <i>(1RU Rack Mounting Chassis, SDI and Composit Video Outputs, Reference Input, (Via Matrox DVI to SDI), Includes Carousel Server Framework and Player License, Controls up to 14 Additional Players.)</i>	\$4,250
CBL-LIVE-330	Tightrope Live Streaming Server <i>(Windows Media or H.264 streaming server for live streaming that is integrated into Cablecast's public web interface. Stream is controllable through the Cablecast and may be disabled on a per show basis.)</i>	\$2,750

CBL-REFLECT -Live	Tightrope Cablecast Reflect Live Streaming Annual Hosting Service <i>(Three Channels of LIVE streaming hosting service, provides 7-24 unlimited streaming service, TRMS streaming server is required, One Year Period)</i>	\$1,200
CBL-REFLECT -VOD	Tightrope Cablecast Reflect VOD Annual Hosting Service <i>(One Site of VOD streaming hosting service, provides 7-24 unlimited streaming service, TRMS streaming server is required, One Year Period)</i>	\$1,200
CBL-Reflect- BND	Tightrope Cablecast Reflect VOD & Streaming Hosting Service <i>(One Site of VOD &amp; Streaming hosting service, provides 7-24 unlimited streaming service, TRMS VOD &amp; Streaming Servers are required, One Year Period)</i>	\$2,200
WD-500E	Western Digital 500 Gig Enterprise Class SATA Hard Drive	\$136
WD-1TBE	Western Digital 1TB Enterprise Class SATA Hard Drive	\$175
WD-2TBE	Western Digital 2TB Enterprise Class SATA Hard Drive	\$215
WD-4TBE	Western Digital 4TB Enterprise Class SATA Hard Drive	\$360
CBL-STRG- DRV-8TB	Tightrope 8TB Spare Video Hard Drive for Flex32	\$750
CBL-STRG- DRV-4TB	Tightrope 4TB Spare Video Hard Drive for SX and Flex Servers	\$500
CBL-STRG- DRV-2TB	Tightrope 2TB Spare Video Hard Drive for SX2 and SX4	\$300
CBL-STRG- DRV-SYS	Tightrope Loose 500G Spare Video Hard Drive for System OS	\$150
CBL-VS-005	Redundant Blade Power Supply Module for SX Servers	\$350
CBL- 232422-8PT	USB to 8-Port RS-232/422 Module <i>(Provides control for 8 serial controlled devices, preset for 232 or 422)</i>	\$550
CBL- USB232-8PT	USB to 8-Port RS-232 Module <i>(Provides control for 8 serial RS-232 controlled devices)</i>	\$400
CBL- USB232-4PT	USB to 4-Port RS-232 Module <i>(Provides control for 4 serial RS-232 controlled devices)</i>	\$225
<b>Tightrope Carousel Servers and Players</b>		
CAR-440-SVR	Carousel Digital Signage Server Bundle   Windows Svr 2016, 16+ Player <i>(Windows 2016, signage server bundle, 1RU chassis, 1TB RAID-1 Storage, redundant power supplies, unlimited user accounts, unlimited channel license, Over 15 player connections   CAR-DSS-ENT Digital Signage Software, CAR-440 media appliance.)</i>	\$3,150
CAR-270-SVR	Carousel Digital Signage Server <i>(Small Form Chassis, Windows 10 Ent, 240G SSD Storage, Display Port, For up to 15 Player Control)</i>	\$975
CAR-270-PLR	Carousel Digital Signage Player <i>(Small Form Chassis, Windows 10 Ent, 240G SSD Storage, Display Port, requires player license)</i>	\$950
CAR-LIC- PLAYER	Carousel Digital Signage Player License	\$500
CAR-XT1143	BrightSign Digital Signage Player   Small Form, Live Video In <i>(Small-form solid-state chassis, HDMI Live Video Input, HDMI and VGA outputs, 1 player license, 16 Gig SDHC card.   Requires Player Software License)</i>	\$675

CAR-XD233	BrightSign Digital Signage Player   Small Form, Solid State <i>(Small-form solid-state chassis, HDMI and VGA outputs, No RS232 Display Control, 1 player license, 16 Gig SDHC card.   Requires Player Software License</i>	\$475
CAR-CRTV-CBC	Tightrope Carousel Custom Branded Channel <i>(Custom branded channel including a multi-zone layout, several templates and images, and active bulletins, along with a custom branded background delivered in a single importable file.)</i>	\$2,250
CBL-TVO	Matrox DVI to Video Converter <i>(DVI converter for Carousel Players, provides Composite, HD/SD-SDI outputs)</i>	\$1,350
WA103NA WIFI	BrightSign Wireless Networking Module <i>(Wireless network module, 802.11/a/b/g/n protocols.)</i>	\$50
<b>MCS Fairway Broadcast Products</b>		
MCS-Fwy-M	Fairway Broadcast Server 1 Channel <i>(2RU Chassis, 1Playlist, 1 Record Channel, Graphics, HD/SD-SDI, 2TB hard drive, 16Gig RAM, IP Streaming Channel, Multi-Channel Audio, Schedule Capture Mode, Closed Caption Record Support, A/V Router Control)</i>	\$7,500
MCS-Fwy-M-2	Fairway Broadcast Server 2 Channels <i>(2RU Chassis, 2Playlist, 2 Record Channel, Graphics, HD/SD-SDI, 6TB hard drive, 16Gig RAM, IP Streaming Channel, Multi-Channel Audio, Schedule Capture Mode, Closed Caption Record Support, VTR and A/V Router Control)</i>	\$11,500
MCS-Fwy-M-2-16	Fairway Broadcast Server 2 Channels + 16TB RAID5 <i>(2RU Chassis, 2Playlist, 2 Record Channel, Graphics, HD/SD-SDI, 16TB RAID5 drive, 16Gig RAM, IP Streaming Channel, Multi-Channel Audio, Schedule Capture Mode, Closed Caption Record Support, VTR and A/V Router Control)</i>	\$15,500
MCS-Fwy-R1	Fairway Broadcast Recorder, One Input <i>(2RU Chassis, 1 SDI Record Input, MPEG2, AVC-H.264, DVC-ProHD, Multi-Channel audio, Closed Caption Support, On-screen A/V Monitoring, Batch and Scheduled)</i>	\$4,500
MCS-Fwy-R2	Fairway Broadcast Recorder, Two Inputs <i>(2RU Chassis, 2 SDI Record Input, MPEG2, AVC-H.264, DVC-ProHD, Multi-Channel audio, Closed Caption Support, On-screen A/V Monitoring, Batch and Scheduled)</i>	\$5,200
MCS-Fwy-R4	Fairway Broadcast Recorder, Two Inputs <i>(2RU Chassis, 4 SDI Record Input, MPEG2, AVC-H.264, DVC-ProHD, Multi-Channel audio, Closed Caption Support, On-screen A/V Monitoring, Batch and Scheduled)</i>	\$10,600
MCS-Fwy-G	Fairway Broadcast Graphics Generator <i>(2RU Chassis, graphics overlay, interactive motion high quality multi-layer graphics, crawls, rolls, animated logos, clocks, EAS message overlay.)</i>	\$8,500
MCS-Fwy-G2	Fairway Broadcast Graphics Generator, 2 Channels <i>(2RU Chassis, graphics overlay, interactive motion high quality multi-layer graphics, crawls, rolls, animated logos, clocks, EAS message overlay.)</i>	\$12,500

<b>Media Archive Storage Systems</b>		
<b>Synology Storage Systems</b>		
DS414-43N	Synology 12TB DiskStation Desktop Network Attached Storage <i>(Desktop 12TB raw storage, 4-3TB RAID5, NAS Hard Drives, DSM Software, Cross Platform File sharing, Dual LAN, Dual Core CPU, non-expandable)</i>	\$1,400
DS-1815+	Synology 32TB DiskStation Desktop Network Attached Storage <i>(Desktop 32TB raw storage, 8-4TB RAID5, NAS Hard Drives, DSM Software, Cross Platform File sharing, Quad LAN, Quad Core CPU, expandable)</i>	\$3,157
DX513	Synology 20TB DiskStation Desktop Expansion Storage <i>(Desktop 20TB raw storage, 5-4TB RAID5, NAS Hard Drives)</i>	\$1,813
RS815-44N	Synology 12TB RackStation Rackmount Network Attached Storage <i>(1RU Rackmount 12TB raw storage, 4-3TB RAID5, NAS Hard Drives, DSM Software, Cross Platform File sharing, Dual LAN, Dual Core CPU, expandable to 32TB, Rack Slide Rails Included)</i>	\$1,950
RS815-RP-24	Synology 24TB RackStation Network Storage, 2 x Power Supplies <i>(1RU Rackmount RS815-RP, 4 x 6TB Hard Drives, 24TB Raw Storage, RAID5, DSM Software, Cross Platform File Sharing, Rack Slide Rail Included, Quad LAN, Quad Core CPU, expandable to 48TB with RX410)</i>	\$3,750
RS2416RP-24	Synology 24TB RackStation Network Attached Storage, expandable <i>(2RU Rackmount 24TB raw storage, 6-4TB RAID6, NAS Hard Drives, add up to 12 Hard Drives, Redundant Power Supplies, DSM Software, Cross Platform File Sharing, 4 LAN Ports, Quad Core CPU, iSCSI, Rack Slide Rails Included)</i>	\$4,995
RS2416RP-36	Synology 36TB RackStation Network Attached Storage <i>(2RU Rackmount 36TB raw storage, 6-6TB RAID6, NAS Hard Drives, Redundant Power Supplies, DSM Software, Cross Platform File Sharing, 4 LAN Ports, Quad Core CPU, iSCSI, Rack Slide Rails Included)</i>	\$5,850
RS2416RP-72	Synology 72TB RackStation Network Attached Storage <i>(2RU Rackmount RS2416RP, 12 x 6TB HD, 72TB raw storage, RAID 5 or 6, 7200 RPM HD, Redundant Power Supplies, DSM Software, Cross Platform File Sharing, 4 LAN Ports, Quad Core CPU, iSCSI, expandable to 144TB, 2G RAM) Added 4 Gig of RAM for total of 6 Gig, Rack Slide Rails Included)</i>	\$9,720
RS2818RP-160	Synology 160TB RackStation Network Attached Storage <i>(3RU Rackmount RS2818RP, 16 x 10TB HD, 160TB raw storage, RAID 5 or 6, 7200 RPM HD, Redundant Power Supplies, DSM Software, Cross Platform File Sharing, 4 LAN Ports, Quad Core CPU, iSCSI, expandable to 144TB, 12G RAM) Added 8 Gig of RAM for total of 12 Gig, Rack Slide Rails Included)</i>	\$14,500
RKS1314	Synology Rack Mounting Slide Rail Kit <i>(Slide Rails for RS814 and RS2414)</i>	\$145
<b>CyberPower UPS Systems</b>		
OL1500RTL2U	CyberPower 1500VA 1350Watt Online UPS <i>(2RU Pure Sine Wave UPS, 1500VA/1350 W, 9 minutes 1/2 Load, 3 minutes full load, expandable to 143min / 79min, 8 Outlets, USB, Optional IP with RMCARD302, external batteries BP36V60ART2U, +1=40min/16min, +2=73min/31min, +5 max, 10ft cord, plug NEMA 5-15P, outlet NEMA 5-15R x8)</i>	\$800
BP36V60ART2U	CyberPower External Batteries and Chassis for OL1500RTL2U <i>(2RU Chassis, 6 batteries, for OL1500RTL2U, expandable to 5 units,</i>	\$650
OL2200RTL2U	CyberPower 2200VA 1800Watt Online UPS <i>(2RU Pure Sine Wave UPS, 2200VA/1800 W, 18 minutes 1/2 Load, 6 minutes full load, expandable to 293min / 122min, 7 Outlets, USB, Optional IP with RMCARD302, expand backup time to with BP72V60ART2U, +1=71min/30min, +2=122min/58min, 10ft cord, plug NEMA 5-20P, outlet NEMA 5-20R x6, L5-20R x1)</i>	\$1,150

BP72V60ART2U	CyberPower External Batteries and Chassis for OL2200/3000RTXL2U <i>(2RU Chassis, 12 batteries, for OL2200RTXL2U and OL3000RTXL2U, +5 max)</i>	\$950
OL3000RTXL2U	CyberPower 3000VA 2700Watt Online UPS <i>(2RU Pure Sine Wave UPS, 3000VA/2700 W, 9 minutes 1/2 Load, 3 minutes full load, expandable to 164min / 76min, 7 Outlets, USB, Optional IP with RMCARD302, expand backup time to with BP72V60ART2U, +1=41min/17min, +2=78min/34min, 10ft cord, Plug NEMA L5-30P, Outlet NEMA 5-20R x6, L5-30R x1)</i>	\$1,425
RMCARD302	CyberPower Plugin Ethernet Port <i>(Plugin card for all OLxxxRTXL2U Online UPS Systems)</i>	\$230
<b>Character Generators</b>		
Channel-Brander Analog	Compix Analog Logo and Crawl Branding System <i>(Down-Stream keyer, Includes News Scroll for Tighrope Cablecast Interface) (1RU Rack Mounting Chassis)</i>	\$6,995
Channel-Brander SD-SDI	Compix SDI Logo and Crawl Branding System <i>(1-RU Down-Stream keyer, Includes News Scroll for Tighrope Cablecast Interface)</i>	\$8,995
Channel-Brander HD-SDI	Compix HD-SDI Logo and Crawl Branding System <i>(1-RU Down-Stream keyer, Includes News Scroll for Tighrope Cablecast Interface)</i>	\$15,995
<b>Routing Switchers</b>		
MAV 44 AV	Extron 4x4 Composite Video and Balanced Stereo Audio <i>(1 RU, Video Genlock, Audio input gain, RS-232 control port)</i>	\$1,024
MAV 84 AV	Extron 8x4 Composite Video and Balanced Stereo Audio	\$1,210
MAV 88 AV	Extron 8x8 Composite Video and Balanced Stereo Audio	\$1,750
MAV 128 AV Plus	Extron 12x8 Composite Video and Balanced Stereo Audio	\$3,190
MAV 168 AV Plus	Extron 16x8 Composite Video and Balanced Stereo Audio	\$4,390
MAV 1616 AV Plus	Extron 16x16 Composite Video and Balanced Stereo Audio	\$5,790
BMD-VHUB-SMART6G1212	Black Magic Smart Video Hub 12x12 SDI Routing Switcher <i>(1RU Panel, 12-Inputs, 12-Outputs, IP control and front panel keyboard)</i>	\$1,395
BMD-VHUB-SMART6G1212 CleanSwitch	Black Magic Smart Videohub CleanSwitch 12x12 SDI Routing Switcher <i>(1RU Panel, 12-Inputs, 12-Outputs, IP control and front panel keyboard)</i>	\$1,495
BMD-VHUB-SMART6G2020	Black Magic Smart Video Hub 20x20 SDI Routing Switcher <i>(1RU Panel, 20-Inputs, 20-Outputs, IP control and front panel keyboard)</i>	\$1,995
BMD-VHUB-VCPT	Blackmagic Compact Video Hub 40x40 SDI Routing Switcher <i>(40x40 3G-SDI, 2RU Routing Switcher with ethernet control)</i>	\$2,995
BMD-VHUB-WMSTRCRL	Blackmagic Video Hub Master Control Panel <i>(spin knob, direct entry control, LCD status)</i>	\$695
BMD-VHUB-WMSTRCRL	Blackmagic Video Hub Smart Control Panel <i>(direct entry control)</i>	\$495

12V12A	Videohub secondary power supply	\$95
<b>Multi Image Processors</b>		
LE-8HD	Apantac Multiviewer 8 HD/SD-SDI inputs <i>(8 Auto-detect HD/SD-SDI Inputs, 16ch embedded audio, HDMI and DVI outputs)</i>	\$7,100
<b>AV Monitoring Equipment</b>		
LCD1U19-17-8KVM-CO	17" LCD Monitor, Keyboard Drawer and 8 Port KVM <i>(1RU Rack Mount folding LCD Monitor, Rackmount Keyboard Tray, and Mouse, Includes 8 port KVM with 8 cables, combo USB/PS2).</i>	\$1,495
LCD1U19-17-16KVM-CO	17" LCD Monitor, Keyboard Drawer and 16 Port KVM <i>(1RU Rack Mount folding LCD Monitor, Rackmount Keyboard Tray, and Mouse, Includes 16 port KVM with 16 cables, combo USB/PS2).</i>	\$1,750
KVM-4VGAUSB	4-Port Keyboard, Monitor and Mouse Switch + Cables <i>(Includes 4 6 ft Cables, and rack mount adapter)</i>	\$400
KVM-8VGAUSB	8-Port Keyboard, Monitor and Mouse Switch + Cables <i>(Includes 8 6 ft Cables, and rack mount adapter)</i>	\$600
RM-3270WS-3G	Wohler Dual 7" HD/SD-SDI Video Monitor with Embedded Audio <i>(2 x 7", loop through inputs, embedded audio metering and monitoring, built in waveform and vectorscope, Analog or SDI A/V inputs)</i>	\$2,695
RM-3270WS-3G2	Wohler Dual 7" HD/SD-SDI Dual Input Video Monitor, Embedded Audio <i>(2 x 7", loop through inputs, embedded audio metering and monitoring, built in waveform and vectorscope, Analog or SDI A/V inputs)</i>	\$2,895
RMT-173-3G-RM	Wohler 17" HD/SD-SDI Dual Input Video Monitor, Embedded Audio <i>(6RU, 2 x SDI, 2 x Analog, HDMI, Audio Level Meters and speakers, head phone, built in waveform and vectorscope, select dual screen or single screen.)</i>	\$2,300
AMP1-2SDA	Wohler SDI Audio Monitor <i>(1RU, SDI, AES, Analog, level adjust, 26 segment LED, Speakers)</i>	\$1,695
M-LYNX-17RM	Marshall 17" Rack Mount LCD Monitor <i>(Rack Mount, 2xComposite, Component, VGA, HDMI and 2x Audio inputs)</i>	\$629
M-Lynx-702	Marshall Dual 7" LCD Monitors, <i>(2 x 7 inch Color LCD Monitors,3RU, 1-SDI, 1-Composite, 1-HDMI inputs, Looping SDI and Composite, RCA Audio Inputs, SDI audio de-embedding to head phone jacks)</i>	\$789
M-Lynx-702W	Marshall Dual 7" LCD Monitors with WFM and Vectorscope <i>(2 x 7 inch Color LCD Monitors,3RU, 1-SDI, 1-Composite, 1-HDMI inputs, Looping SDI and Composite, RCA Audio Inputs, SDI audio de-embedding to head phone jacks)</i>	\$1,250
AR-AM4-BG	Marshall 4-Channel Audio Monitor with DSP and Peak Meters <i>(1-RU, 4-Inputs, 1-Output, 2-Speakers, Volume, 2 10-Segment LED Meters)</i>	\$599
V-R44P	Marshall V-R44P LCD Confidence Monitors, 4-4" (2-RU) <i>(Four Four Inch LCD Monitors, Video Adjustments, Tilting Panel, 4xComposite)</i>	\$1,639

PBM-317-3G	Plura PBM-317-3G Series 17" HD/SD-SDI LCD Monitor <i>(2ea HD/SD-SDI, 3ea composite, 1ea Svideo, 1ea DVI/VGA, &amp; HDMI Inputs, 7RU) (2ea HD/SD-SDI, 3ea composite Outputs, Stereo Audio Line and De-embedded)</i>	\$2,999
PBM-217RK	Plura Monitor Rack Mounting Kit	\$150
LCM-119-3G	Plura 19" General Use SD/HD Broadcast Monitor <i>(6RU, 1366x768 True 8 bit LED, 2SDI, HDMI, DVI, VGA, YPbPr, YC, Composite)</i>	\$1,200
SFP-17RK	Plura Monitor Rack Mounting Kit for LCM-119-3G	\$150
BMD-HDL-SMTVHD	Blackmagic Smartview HD, 17" SDI Monitor <i>(17" HD/SD-SDI, 6RU)</i>	\$895
BMD-HDL-	Blackmagic SmartScope Duo, 8" SDI Monitor	\$995
BMD-HDL-AUDMON1RU	Blackmagic Audio Monitor <i>(Embedded, digital and analog sources, 1RU, 2 Speakers)</i>	\$1,495
<b>Audio and Video Processors</b>		
<b>Ensemble Designs</b>		
BEPS	BrightEye Power Supply (now included with each BE unit)	Included
BERKMT	BrightEye Rack Shelf, holds 3 full height or 6 1/2 height units	\$80
BEPS6	BrightEye Spider Power Supply	\$150
BEAC	BrightEye Analog Audio Breakout Cable, DH15 Analog Audio	\$80
PHX15	BrightEye Breakout for HD15 Analog Connector on Ave. and BE	\$75
BE2	Ensemble Bright Eye 2, Analog to SDI Converter	\$750
BE3	Ensemble Bright Eye 3, Analog to SDI with TBC/Frame Sync	\$1,400
BE5	Ensemble BrightEye 5, Analog Composite TBC/Frame Sync	\$950
BE11	Ensemble, SD-SDI to Analog Video Converter	\$750
BE16	Ensemble, SD-SDI to Analog Video Converter, TBC and Audio	\$1,500
BE24	Ensemble, SD-SDI to Analog Video Converter, Audio De-embedder	\$1,300
BE25	Ensemble BrightEye 25, Analog A/V to SDI with TBC & Embedder	\$1,300
BE56	Ensemble BrightEye 56, HD/SD-SDI Test Generator with Sync	\$2,750
BE72	Ensemble BrightEye 72, SDI to HDMI converter with audio <i>(Turns HDTV to Broadcast Monitor, Closed Caption Decoder, Time Code AFD and Audio Level Meters, Sate Title/Graticule Overlay, Color Corrector, H &amp; V Shift, Mirror Mode for On-Camera Talent, Analog Audio Outputs)</i>	\$650
BE43	Ensemble BrightEye 43, 1x6 HD/SD-SDI Distribution Amplifier	\$600
BE90A	Ensemble BrightEye 90A, Up Down Cross Converter, with Frame Sync	\$3,000
BE91-A	Ensemble BrightEye 91A, HD-SDI Up converter with Analog Audio	\$2,100
BE92-A	Ensemble BrightEye 92A, HD-SDI Down converter, Analog Audio	\$1,500
BE92-M	Ensemble BrightEye 92A, HD-SDI Down converter	\$1,200

**Extron**

MSW4VSDI	Extron 4x1 SDI Video Switcher	\$400
MDA-4V SDI	Extron 1x4 SDI Video Distribution Amplifier	\$500
MDA-3AV	Extron 1x3 Video and Audio Distribution Amplifier <i>(Composite Video, Balanced and Unbalanced stereo audio)</i>	\$298
DA-6A	Extron 1x6 Audio Distribution Amplifier (Balanced Stereo)	\$420
BBG-6A	Extron Blackburst Sync Generator with Color bars <i>(1RU 1/4 Rack Package, 6 Analog Video outputs, 2 for Color bars, 1KHz audio)</i>	
MDA-5V	Extron 5 Output Analog Video Distribution Amplifier <i>(1RU 1/4 Rack Package, 5 Analog Video outputs, looping video input)</i>	\$264
RSF-123	Extron Rack Mounting Shelf	\$95

**Blackmagic Designs**

BM-DVI	Black Magic DVI Extender <i>(DVI to SDI Converter)</i>	\$395
BM-AD	Black Magic analog video to SD-SDI Converter <i>(composite video and audio to Serial Digital Video)</i>	\$195
BM-DA	Black Magic SD-SDI to Analog Video Converter <i>(Serial Digital Video to Composite Video and Audio)</i>	\$295
CONVMUDC	Black Magic HD/SD-SDI Up Down Cross Converter <i>(Serial Digital HD to SD or SD to HD, loop input, 5 outputs, reference)</i>	\$295
BM-CONV-MSDIDA4K	Black Magic SDI Distribution Amplifier <i>(1x8 HD/SD-SDI Distribution Amplifier)</i>	\$295
BM-ASDI	Black Magic Audio to SDI Embedder <i>(Analog audio to SDI encoder/embedder)</i>	\$295
BM-SDIA	Black Magic SDI to Audio De-embedder <i>(SDI to Analog audio de-embedder)</i>	\$295
BM-TERANEX-D2	Black Magic Teranex 2D A/V Processor <i>(Up and Down Convert HD to SD, SD to HD, analog and SDI)</i>	\$1,995
BM-TERANEX-EXP12GDL	Black Magic Teranex Express Video Processor <i>(Up and Down Convert HD to SD, SD to HD, embedded audio level control)</i>	\$1,395
BM-SYNC	Blackmagic Blackburst Sync Generator <i>(Mini Converter Series, 6 Analog Blackburst or TriSync outputs, dip switch selectable)</i>	\$195

**Other Manufacturers**

MDX2600	Behringer Audio Compressor Limiter <i>(2 Channels, Input/Output LED Displays, Stereo Linking)</i>	\$150
AERO.10	Linear Acoustic Embedded Audio Loudness Processor <i>(1RU, Hybrid dynamic range and loudness control with advanced ITU Limiter, SDI, AES or Analog Stereo I/O)</i>	\$5,700
AABO	Analog Audio Breakout Adapter for AERO.10	\$150
BBG-1002-UDX	Cobalt BBG Up Down Cross Converter with Frame Sync <i>(4 inputs 3G/HD/SD-SDI; 4 outputs, selectable from Web UI, fast input detect, multiple preset configurations, full frame sync, 1-RU 1/3 per rack space)</i>	\$3,500

BBG-1002-UDX-DSP	Cobalt BBG Cross Converter with Frame Sync & Audio Management <i>(4 inputs 3G/HD/SD-SDI; 4 outputs, selectable from Web UI, fast input detect, multiple preset configurations, full frame sync, 1-RU 1/3 per rack space, Includes circuit board for audio level management option LP20)</i>	\$4,290
+DSP-RTLL-2.0	Cobalt Dolby RTLL Stereo Loudness Processor Option	\$995
BBG-1000-TRAY	1 RU Rack Tray for 3 1/3rd Wide Cobalt BBG-1000 Products	\$249
Convert-DVI	Matrox DVI the HD/SD-SDI Converter with Genlock	\$1,500
DV-321	ESE Genlockable HD/SD Sync Generator <i>(4 HD sync outputs, 2 SD sync outputs, black and color bars)</i>	\$595
LEI-532	Link HD/SD-SDI Video Distribution Amp, 1x4	\$750
LEI-560	Link Analog to Digital Converter with Genlock Frame Sync <i>(Composite Video to SDI with Frame Sync, Genlock)</i>	\$1,100
PRT-700	Rack Shelf for LEI-560	\$80
ST-UMX3	Radio Design Labs Universal Audio Mixer, Stick-on Series <i>(3-Inputs, Bal-Unbal, 1-Output Bal or Unbal, Combine Stereo to Mono)</i>	\$650
<b>IP Encoders and Decoders &amp; Network Products</b>		
QVENC	Qvidium IP HD Encoder for Internet Transmission <i>(Qvidium Video over IP, MPEG4-AVC (h.264) / MPEG2, ARQ Error Correction)</i>	\$3,717
SDI-OPT	Qvidium SDI License <i>(Qvidium Option to Enable SDI Input)</i>	\$2,043
HD-OPT	Qvidium HD License <i>(Qvidium License to enable 1080i and 720P encoding)</i>	\$2,267
QVDEC	Qvidium IP HD Decoder <i>(Qvidium Video over IP Decoder, ARQ Error Correction, SD/HD-SDI/3GSDi and HDMI Outputs, HD decoding up to 1080p 50/60)</i>	\$3,803
VL4510	Radiant HD/SD to IP Encoder <i>(1RU, MPEG2 / H.264, SDI input, IP - ASI Output)</i>	3,200.00
SFP-G-1310F1	Optic SFP TX/1310 RX/1550 Gig 1F	240.00
GIGA8P	Netgear 8-Port 10/100/1000 Ethernet Switch <i>(8-Port gigabit switch, half/full duplex, switched ports.)</i>	\$95
GIGA16P	Netgear 16-Port 10/100/1000 Ethernet Switch <i>(Rack Mounting, 16-Port gigabit switch, half/full duplex, switched ports.)</i>	\$275
GS748T	Netgear ProSAFE 48 Port Gigabit Smart Switch <i>(48 port, non-blocking, browser based switch management, APACE recommended)</i>	\$700

<b>Web Based Relay Controllers</b>		
X-301	Control-By-Web Relay Controller, Series III WebRelay-Dual <i>(2-inputs, 2-Relays, 100 Scheduled Events, Full Calender Scheduling, Control and configure using a web browser, automatic and manual control, Email, Alerts, Event and Periodic Logging, LED status ) (Includes Power Supply)</i>	\$210.00
X-310	Control-By-Web Relay Programmable Controller <i>(4-inputs, 4-Relays, 100 Scheduled Events, Full Calender Scheduling, Control and configure using a web browser, automatic and manual control, Email, Alerts, Event and Periodic Logging, LED status ) (Includes Power Supply)</i>	\$245.00
X-DAQ-515-5	Control-by-Web 5 Input Email Device <i>(Sends out an email each time the input GPI is triggered)</i>	\$135
WebRelay Quad	Control-By-Web 4-Relay Module, <i>( built in web server for setup and remote relay control from web browser, can operate as a Modbus/TCP slave device, four independent 28V 1A relays SPDT, on/off and pulse modes)</i>	\$145.00
CBW-5	Control-By-Web 5 Input Module, <i>( built in web server for setup, 5 Inputs with Email Notification)</i>	\$145.00
HDR01	LEN 2x1 HD/SD-SDI Passive Relay Switch	\$145.00

<b>Equipment Racks and Accessories</b>		
PER-1	Premier Equipment Rack Assembled Package (40-RU) <i>(1-Rack, Side Panels, Rear Door, Power Strip, Casters, Shelves and Blank Panels)</i>	\$2,100
PER-1B	Premier Equipment Rack Assembled Package (40-RU) No Door <i>(1-Rack, Side Panels, Power Strip, Casters, Shelves and Blank Panels)</i>	\$1,800
PER-2	Premier Equipment Rack Assembled Package (40x2-RU) <i>(2-Racks, Side Panels, Rear Doors, Power Strips, Casters, Shelves and Blank Panels)</i>	\$3,800
PER-2B	Premier Equipment Rack Assembled Package (40x2-RU) No Doors <i>(2-Racks, Side Panels, Power Strips, Casters, Shelves and Blank Panels)</i>	\$3,200
PER-3	Premier Equipment Rack Assembled Package (40x3-RU) <i>(3-Racks, Side Panels, Rear Doors, Power Strips, Casters, Shelves and Blank Panels)</i>	\$5,850
PER-3B	Premier Equipment Rack Assembled Package (40x3-RU) No Doors <i>(3-Racks, Side Panels, Power Strips, Casters, Shelves and Blank Panels)</i>	\$4,950
71145K61	8 Outlet Rack Mounting Power Strip	\$80
PPS-115A	24 Outlet Power Strip	\$125
<b>Spyglass and Spyglass Pro</b>		
SPY-Pro-1	One Channel Spyglass TV Channel Failure Detector (Analog A/V) <i>(Detect Motion Loss, Sync Loss and Audio Loss, with A/B Bypass Switch ) (1-CFD-3000A, 1-AVS-3221A, 1-CMF-1000A, 3-FWD-3000A, SCM-3002A) Includes: email, web status and control, and logging)</i>	\$1,975
SPY-Pro-1D	One Channel Dual Detector Spyglass TV Failure System <i>(Detect Motion Loss, Sync Loss and Audio Loss, with A/B Bypass Switch ) (2-CFD-3000A, 1-AVS-3221A, 1-CMF-1000A, 3-FWD-3000A, SCM-3002A) Includes: email, web status and control, and logging)</i>	\$2,525

SPY-Pro-1 HDSDI	One Channel Spyglass HD/SD-SDI with Embedded Audio <i>(Detect Motion Loss, Sync Loss and Audio Loss, with A/B Bypass Switch ) (Spy-1, D to A, SDI Relays, all in 1RU Chassis ) Includes: email, web status and control, and logging)</i>	\$3,225
SPY-Pro-1D- HDSDI-EA	Dual One Channel Spyglass HD/SD-SDI with Embedded Audio <i>(1RU, Detect Motion Loss, Sync Loss and Audio Loss, with A/B SDI Bypass Switch, monitors primary and secondary inputs from primary and secondary videosever output, one Spyglass Pro Dual is required for each videosever output. Includes: email, web status and control, and logging)</i>	\$3,800
K2000-DVA	Viking Automatic Telephone Dialer/Message Playback <i>(Dials multiple phone numbers, plays back preprogrammed message)</i>	\$500
<b>System Integration and Support Plans</b>		
TSAP-1	Turnkey System Accessory Package <i>(System Cables, Connectors and Documentation)</i>	\$650
TSAP-2	Turnkey System Accessory Package <i>(System Cables, Connectors, and Documentation)</i>	\$950
SYSINT	System Integration, Installation and Training <i>(Onsite System Integration, Installation and Training, Travel and Expenses)</i>	By Project
SVC-PH- HRLY	Tightrope Support Fee <i>(Telephone and Web VCN Intergration and Installation Support)</i>	\$150
<b>3000 Series Frames and Modules</b>		
CMF-3000B	Rack Mounting Frame, 3.5" X 19". Holds 12 3000-series modules.	\$400
CMF-1000A	1RU Frame for 4-modules, includes external power supply	\$350
RPS-3002A	Regulated Power Supply, 110 60hz, +/-12, +/-17ur,+5vdc	\$200
RPS-3002ES	Single Power Supply, External, 110/220 50/60hz, +/-12,+5vdc	\$200
RPS-3002ED	Dual Power Supply, External, 110/220 50/60hz, +/-12,+5vdc	\$400
BFP-30XXA	Blank Filler Panel for CMF-3000B, Specify number of spaces	\$25
FWD-3000A	Frame Wiring and Connector Panel, One FWD per module.	\$100
CCE-3001A	Card Extender for 3000 series modules.	\$50
CFD-3001A	Spyglass Channel Failure Detector Module	\$350
SCM-3002A	Spyglass Comparator Module, Audio Mux and Logic Switch Ctl	\$250
CFD-RS232	Spyglass RS-232 Control Option	\$250
ADA-3006A	Audio Distribution Amplifier, 1 in 6 out	\$250
ALC-3001B	Audio Level Control, 2 channel Odbm nominal level standard	\$450
AVS-3031B	Audio Video Switch, 3 X 1 unbalanced audio, VBI SW	\$350
AVS-3031C	Audio Video Switch, 3 X 1 unbalanced Stereo audio, VBI SW	\$400
AVS-3021A	Audio Video Switch, 2 X 1 balanced stereo audio, VI switching.	\$350
AVS-3221A	Audio Video Switch, Two 2 X 1 unbalanced stereo audio	\$250
CTD-3104A	4-Digit High Speed DTMF Cue Tone Decoder	\$300
DTG-3001A	4-Digit High Speed DTMF Cue Tone Generator	\$300
RFS-3001A	A/B RF Switch Module	\$250
SPD-3001A	Sync Presence Detector with A/V By-pass.	\$250
UAA-3031A	Universal Audio Amplifier, 3 inputs	\$250
UAD-3000A	Universal Telephone Answering Device	\$250
UDT-3006A	Universal Delay Timer, Six independent on board timers.	\$350
UDT-3001A	Universal Delay Timer, One independent on board timer.	\$200
VDA-3006B	Video Distribution Amplifier, 1 in 6 out.	\$250
VCR-3002B	Universal VCR controller, DTMF location control	\$350
DTG-103A	Hand-Held DTMF Tone Generator	\$195

<b>Tightrope Product Assurance Plans</b>		
CBL-SAS-CH-1YR	Tightrope Cablecast Software Assurance Plan <i>(Provides software updates for a period of one year for all Tightrope products in use in a facility, priced based upon server I/O ports)</i>	\$1,200
CBL-FLEX4-16-HA	Tightrope Extended Hardware Warranty for Cablecast FLEX4-16 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$2,500
CBL-FLEX4-32-HA	Tightrope Extended Hardware Warranty for Cablecast FLEX4-32 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$2,850
CBL-FLEXLITE-HA	Tightrope Extended Hardware Warranty for Cablecast FLEXLITE <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$900
CBL-FLEX2-HA	Tightrope Extended Hardware Warranty for Cablecast FLEX2 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$1,600
CBL-CG330-SDI-HA	Tightrope Extended Hardware Warranty for Carousel Player SDI <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$280
CBL-LIVE-330-HA	Tightrope Extended Hardware Warranty for Cablecast Live IP Streamer <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$280
CBL-PROVOD-HA	Tightrope Extended Hardware Warranty for Cablecast PRO VOD <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$550
CBL-SVR430-HA	Tightrope Extended Hardware Warranty for Cablecast Pro Server 430 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$400
CBL-SVR430-VOD-HA	Tightrope Extended Hardware Warranty for Cablecast Server 430-VOD <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$550
CBL-SXLE-320-HA	Tightrope Extended Hardware Warranty for Cablecast SXLE <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$550
CBL-SXLEHD-320-HA	Tightrope Extended Hardware Warranty for Cablecast SXLEHD <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$750
CBL-SX2-510-HA	Tightrope Extended Hardware Warranty for Cablecast SX2 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$900
CBL-SX2HD-510-HA	Tightrope Extended Hardware Warranty for Cablecast SX2HD <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$1,800
CBL-SX4-510-HA	Tightrope Extended Hardware Warranty for Cablecast SX4 <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$1,400
CBL-LIVE-320-HA	Tightrope Extended Hardware Warranty for Cablecast Live IP Streamer <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$200
CBL-CG330-SDI-HA	Tightrope Extended Hardware Warranty for Carousel Player SDI <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$250
CBL-CG330-DVI-HA	Tightrope Extended Hardware Warranty for Carousel Player DVI <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$200
CBL-CG-250-HA	Tightrope Extended Hardware Warranty for Carousel Player <i>(Extended hardware warranty for a period of one year, covers parts and labor)</i>	\$225