

CV HD2X QAM IP

2 CHANNEL ADVANCED VIDEO ENCODER
QAM & IP / SRT STREAMING



KEY FEATURES

LOCAL CONTENT ADVANCED ENCODER

- » HEVC, H.264 and MPEG-2 in CBR, SPTS or MPTS
- » QAM Modulator with PSI Creation for Digital TV Display
- » 2 IP / SRT or Unicast/Multicast SPTS IP Outputs
- » Remote Setup, Management & Monitoring Capability
- » Appliance-based 24 x 7 x 365 High Reliability Design

INPUT FORMATS

- » File Streaming
- » 3G/HD-SDI
- » HDMI 2.0b
- » Component
- » Composite
- » Closed Caption
- » Transcode / Transrate from IP Sources

PRELIMINARY
SUBJECT TO CHANGE

PRODUCT OVERVIEW

CV HD2X QAM IP advanced video encoder accepts two programs from any two sources, including two files for streaming, or via HDMI 2.0b, 3G/HD-SDI, Component, or Composite input connectors as well as IP Sources. QAM output channel supports multiplexing and PSIP creation for direct digital TV discovery, including digital signage applications.

The **CV HD2X QAM IP** can also output two SRT or as Unicast/Multicast MPEG SPTS format. IP Output support via SFP Fiber adapter or RJ45 Ethernet with separate RJ45 for control port. Convenient IP Reset switch on front panel for admin support. A 4K input option is also available.

ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
CV HD2X QAM IP	6573	2 Channel Advanced Encoder with IP/SRT IPTV & QAM Output
CV HD2X QAM IP 4K Input	6573 4K	2 Channel Advanced Encoder with IP/SRT IPTV & QAM Output with 4K Input

CV HD2X QAM IP

SPECIFICATIONS



INPUT

Connectors	2x HDMI, v2.0b, "Type A" 2x Composite & Component 2x SD/HD/3G SDI 1x RJ45 Gigabit Ethernet Input 1x SFP Module Port, Fiber Optic
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Control	1x Front Panel RJ45
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Closed Caption	2x RCA (CC Ports, Rear Panel)
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VIDEO

Video Resolution	480i (59.94, 60 FPS) 480p (29.97, 30, 59.94, 60 FPS) 720p (29.97, 30, 60 FPS) 1080i (59.94, 60 FPS) 1080p (29.97, 30, 59.94, 60 FPS)
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AUDIO

Audio Format	L-PCM (IEC-60958) at up to 192 kHz, Dolby® AC3, AAC, MP3
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GENERAL

Dimensions (W x H x D)	19.0 x 1.75 x 8.5 in (483 x 45 x 216 mm)
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Power	110/230VAC, 0.35/0.175A, 60/50 Hz
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Power Consumption	35 W
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Shipping Weight	9.5 lbs (4.31 kg)
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Operating Temp.	32 to 122 °F (0 to 50 °C)
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Storage Temp.	-13 to 158 °F (-25 to 70 °C)
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Operating Humidity	0 to 95% RH @ 35 °C max, non-condensing
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ALARMS & MONITORING

Local Monitoring	1x Power and Status LED (bicolor) 2x Fan Control Status LED (bicolor) 2x Encoder Status LED (bicolor) 1x QAM Status LED (bicolor)
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Local Control	1x IP Reset Button
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Remote Monitoring	Built-in Web Server Remote browser access with status
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OUTPUT

Connectors	1x "F" Connector, Full Agile QAM 1x "F" Connector, -20 dB Test Point 1x RJ45 Gigabit Ethernet Output 1x SFP Module Port, Fiber Optic
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RF QAM MODULATION

Standards	ITU-T J.83; Annex B
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Frequency Range	54 to 1002 MHz
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Power	+45 dBmV
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Channel Bandwidth	6 MHz
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Return Loss	≥ 14 dB
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Level Adjust. Range	15 dB
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Level Accuracy	±1 dB
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QAM MER	>40 dB
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Impedance	75 Ω
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Phase Noise	-95 dBc @ 10 kHz offset
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SRT STREAM PROTOCOLS

Specifications	www.SRTalliance.org
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SPTS STREAM PROTOCOLS

Standard	ISO/IEC 13818-1 Systems
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Profiles	Single
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Encoding Type	CBR or Capped VBR
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Streams Supported	2
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Video Bitrate	2 Mbps to 19 Mbps (0.1 Mbps increments)
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IP Protocols	UDP, RTP, SRT
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ENCODED VIDEO AND AUDIO

Video Resolution	1080p (30,60 FPS); 1080i (60 FPS); 720p (30, 60 FPS); 480i (30, 60 FPS)
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Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
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Audio Format	Dolby® AC3, AAC, MP3
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CV HD2X QAM IP

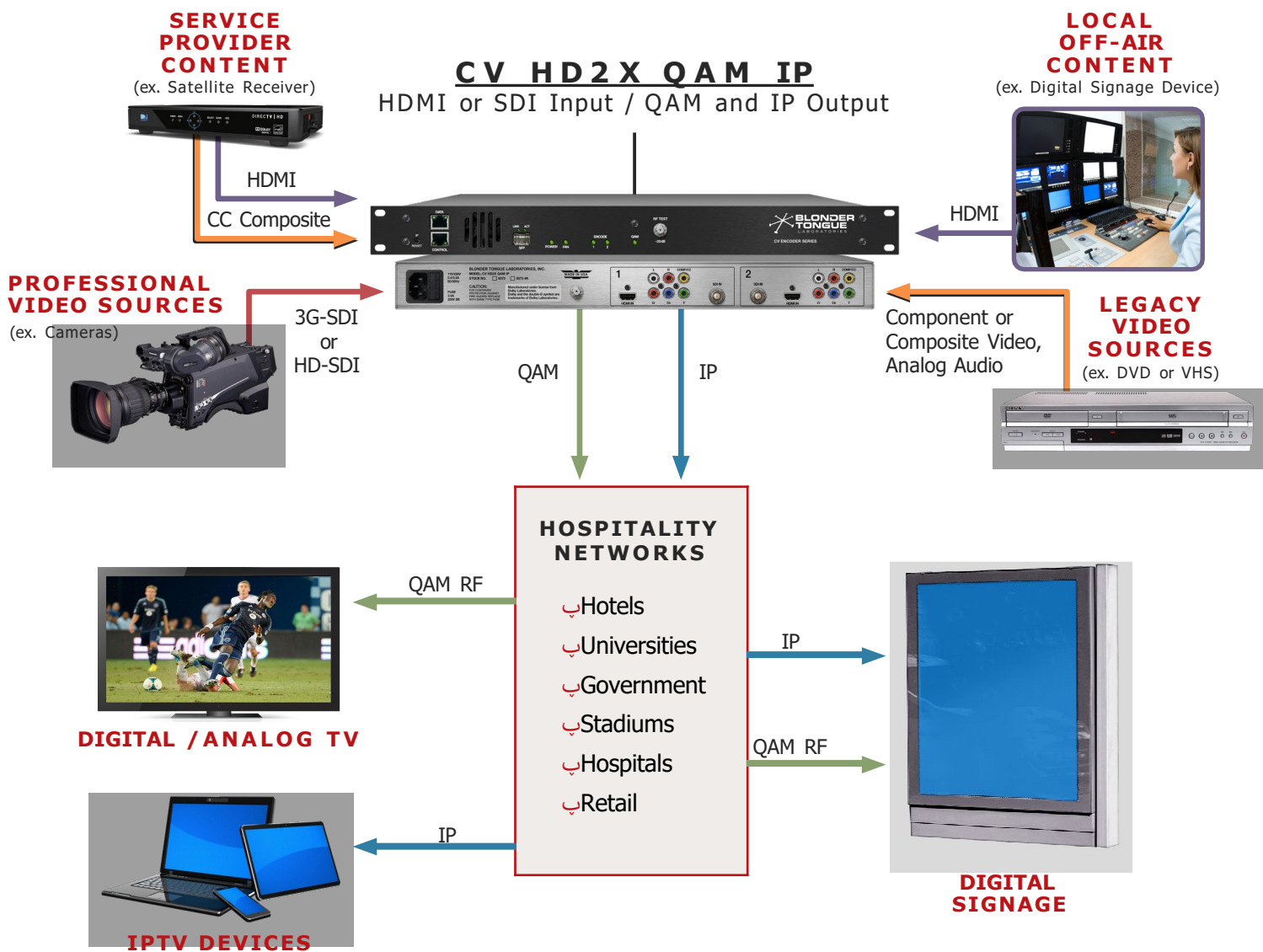
APPLICATION DIAGRAM



CV HD2X QAM IP

2 CHANNEL ADVANCED VIDEO ENCODER

IP VIDEO CONTENT DELIVERY TO HOSPITALITY NETWORKS



PRELIMINARY
SUBJECT TO CHANGE

CV HD2X QAM IP

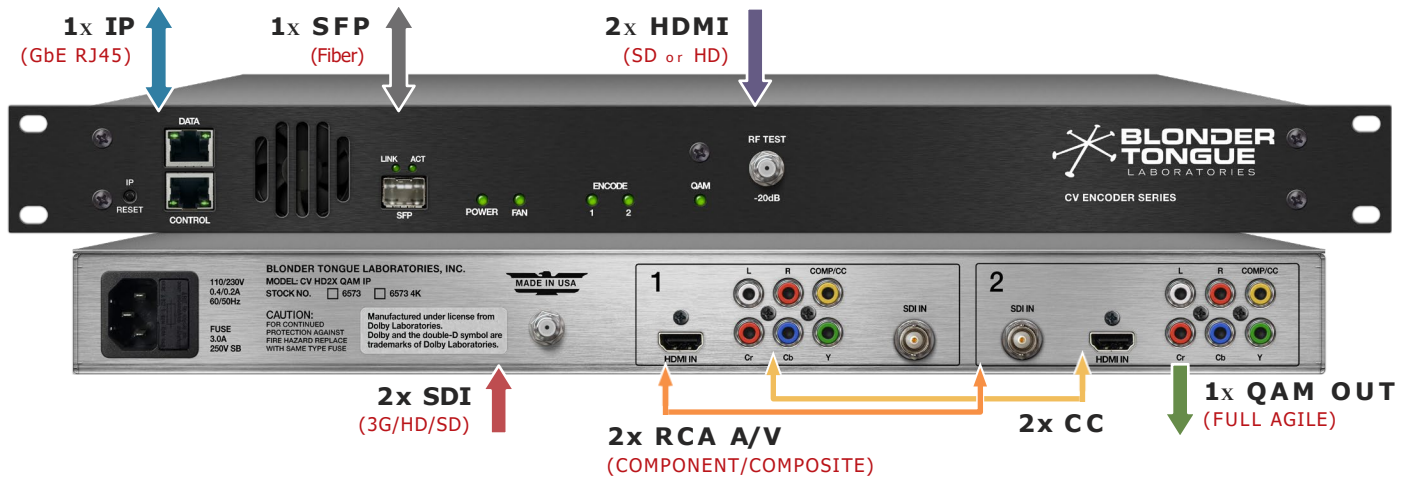
I/O CONNECTIONS



CV HD2X QAM IP

2 CHANNEL ADVANCED VIDEO ENCODER

I/O OVERVIEW



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