



**BLONDER
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**CV SERIES
ENCODERS**

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
- » 2x 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 (Transcode or Passthrough)
- » 3G/HD-SDI
- » HDMI
- » Component
- » Composite
- » Closed Caption

PRODUCT OVERVIEW

CV HD2X QAM IP advanced video encoder accepts two programs from any two sources, including two files for streaming, or via HDMI, 3G/HD-SDI, Component, or Composite input connectors. The encoder 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 front ports with a separate RJ45 port provided for system administration control. Convenient IP Reset switch on front panel for admin support.

ORDERING INFORMATION



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

CV HD2X QAM IP

SPECIFICATIONS



INPUT

Connectors	2x HDMI 2x RCA, Baseband Composite 2x RCA, YCbCr Component 2x BNC, 3G/HD/SD-SDI
File	2x Video Files (512MB max each)
Control	1x Front Panel RJ45
Closed Caption	2x RCA (CC Ports, Rear Panel)

VIDEO

Video Resolution	480i (59.94, 60 FPS) 480p (29.97, 30, 59.94, 60 FPS) 720p (29.97, 30, 59.94, 60 FPS) 1080i (59.94, 60 FPS) 1080p (29.97, 30, 59.94, 60 FPS) 2160p (29.97, 30, 59.94, 60 FPS) - 4K (note: 4K is HDMI-only)
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AUDIO FORMAT

SDI	Uncompressed L-PCM (IEC-60958) @ up to 192 kHz
HDMI	L-PCM @ up to 192 kHz; Dolby® AC3; AAC; MP3

GENERAL

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

ALARMS & MONITORING

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

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
Frequency Range	54 to 1002 MHz
Power	+45 dBmV
Channel Bandwidth	6 MHz
Return Loss	≥ 14 dB
Level Adjust. Range	15 dB
Level Accuracy	±1 dB
QAM MER	>40 dB
Impedance	75 Ω
Phase Noise	-95 dBc @ 10 kHz offset

IP OUTPUT

IP Protocols	UDP; RTP; SRT
Streaming Protocols	Unicast, Multicast
SRT Protocols	Specifications - www.SRTalliance.org

SPTS STREAM PROTOCOLS

Standard	ISO/IEC 13818-1 Systems
TS Supported	2x SPTS
TS Packet Length	188 bytes
Sync Byte	0x47
Encoding Type	CBR or Capped VBR

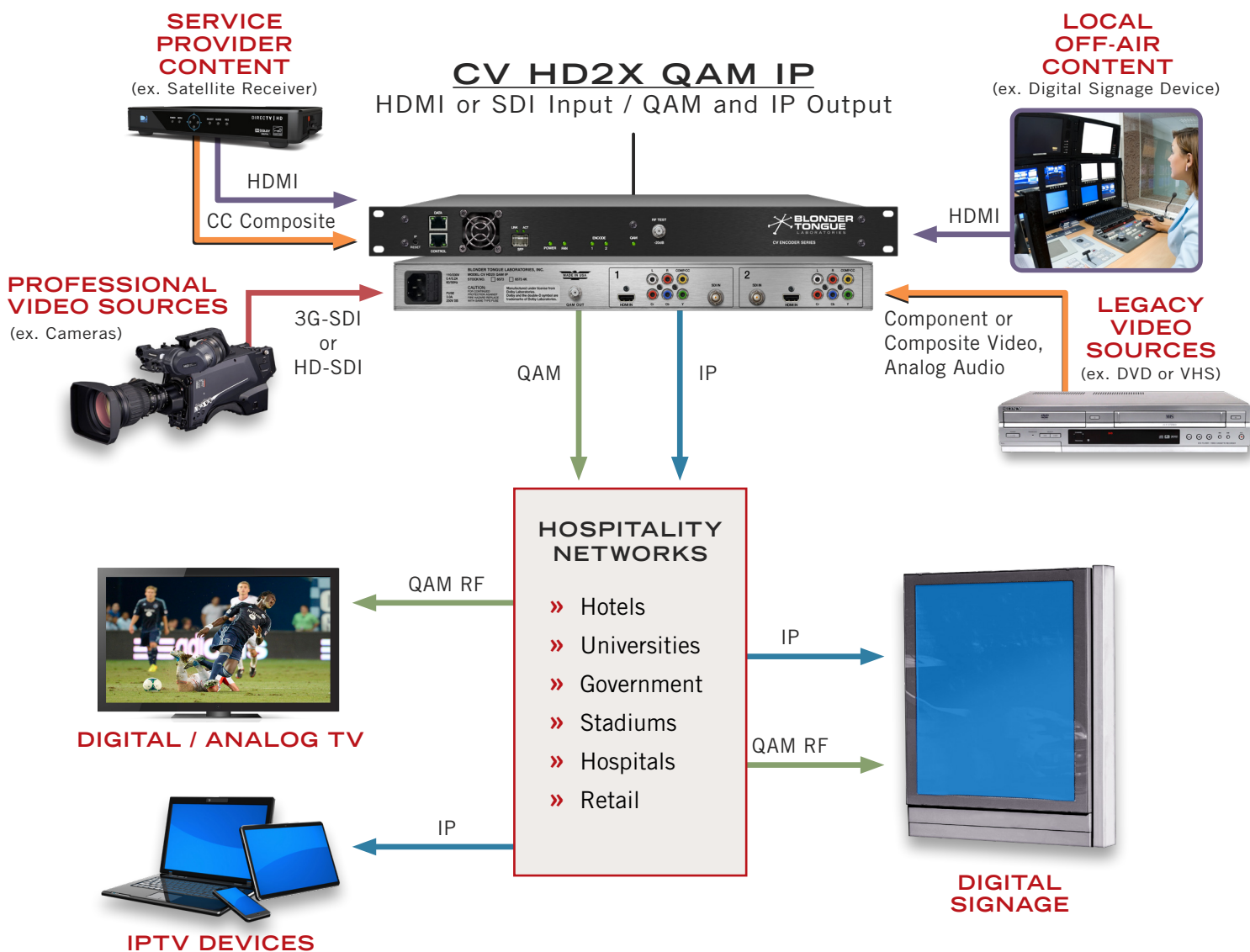
ENCODED VIDEO AND AUDIO

Video Resolution	1080p (29.97, 59.94 FPS); 1080i (59.94 FPS); 720p (29.97, 59.94 FPS); 480p (29.97, 59.94 FPS); 480i (59.94 FPS)
Video Bitrate	2 Mbps to 19 Mbps (0.1 Mbps increments)
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Audio Format	Dolby® AC3; AAC

CV HD2X QAM IP

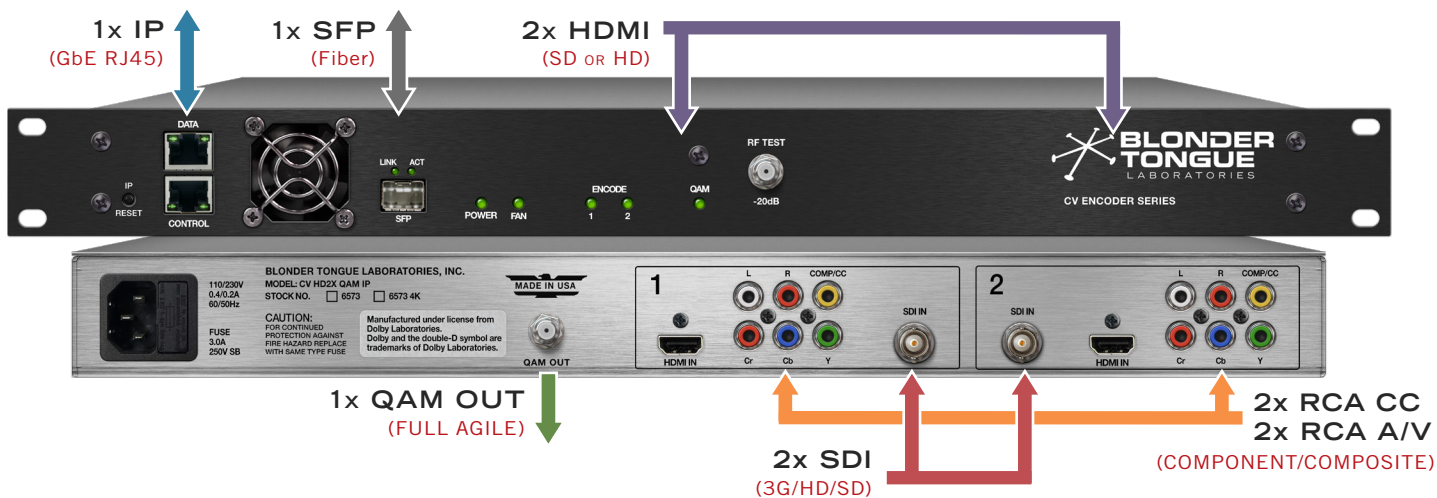
2 CHANNEL ADVANCED VIDEO ENCODER

IP VIDEO CONTENT DELIVERY TO HOSPITALITY NETWORKS



CV HD2X QAM IP
2 CHANNEL ADVANCED VIDEO ENCODER

I/O OVERVIEW



Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com

<https://www.go2mhz.com/product/advanced-video-encoder/>

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