

CV HD2X QAM IP

2 CHANNEL ADVANCED VIDEO ENCODER
 QAM & IP / SRT STREAMING

PRELIMINARY
 SUBJECT TO CHANGE



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

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

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, 60 FPS)
1080i (59.94, 60 FPS)
1080p (29.97, 30, 59.94, 60 FPS)

AUDIO

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

GENERAL

Dimensions 19.0 x 1.75 x 8.5 in
(W x H x D) (483 x 45 x 216 mm)

Power 110/230VAC, 0.35/0.175A, 60/50 Hz

Power Consumption 35 W

Shipping Weight 9.5 lbs (4.31 kg)

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)
2x Fan Control 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

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

SRT STREAM PROTOCOLS

Specifications www.SRTalliance.org

SPTS STREAM PROTOCOLS

Standard ISO/IEC 13818-1 Systems

Profiles Single

Encoding Type CBR or Capped VBR

Streams Supported 2

Video Bitrate 2 Mbps to 19 Mbps
(0.1 Mbps increments)

IP Protocols UDP, RTP, SRT

ENCODED VIDEO AND AUDIO

Video Resolution 1080p (30,60 FPS);
1080i (60 FPS);
720p (30, 60 FPS);
480i (30, 60 FPS)

Video Format MPEG-2; H.264 (AVC); H.265 (HEVC)

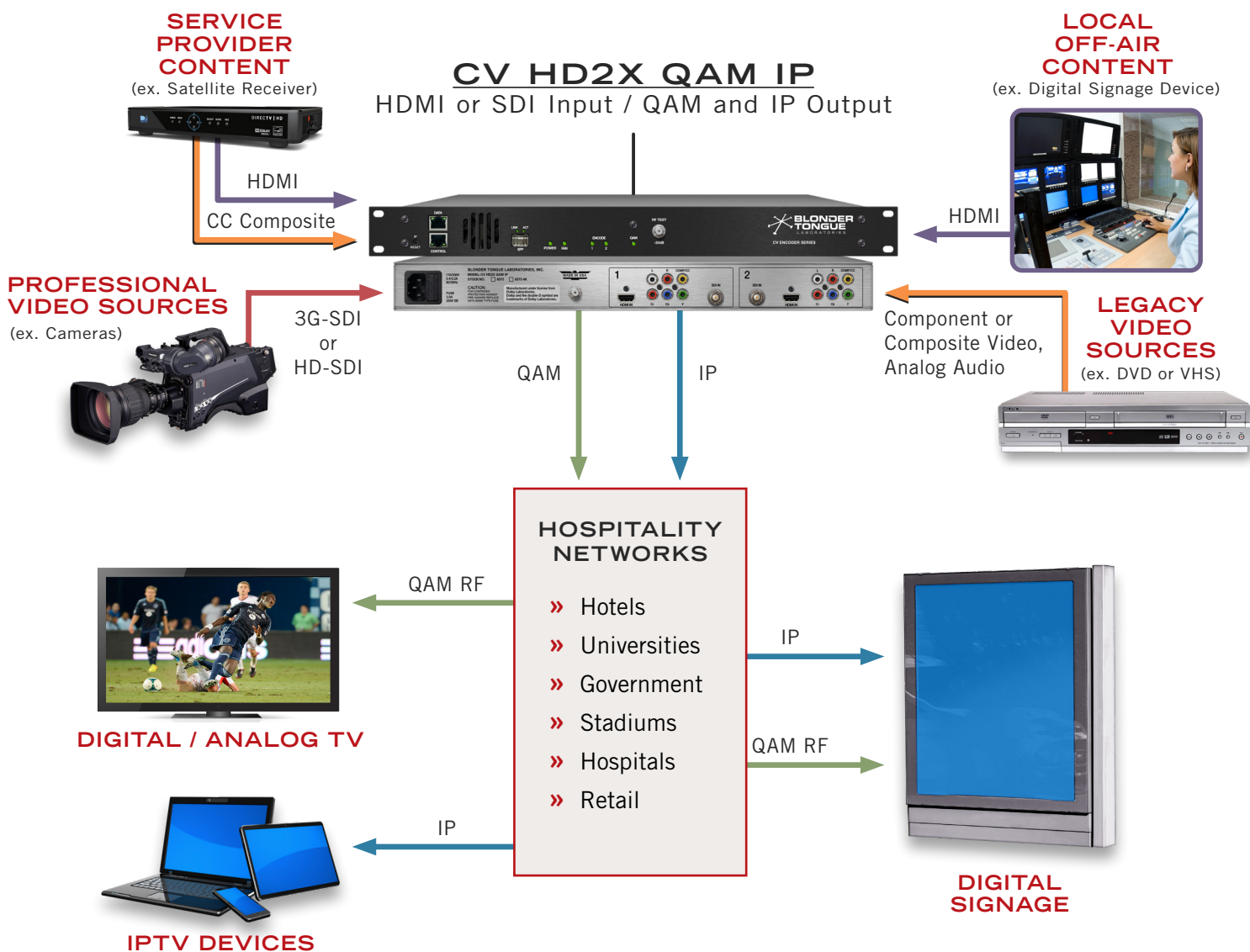
Audio Format Dolby® AC3, AAC, MP3

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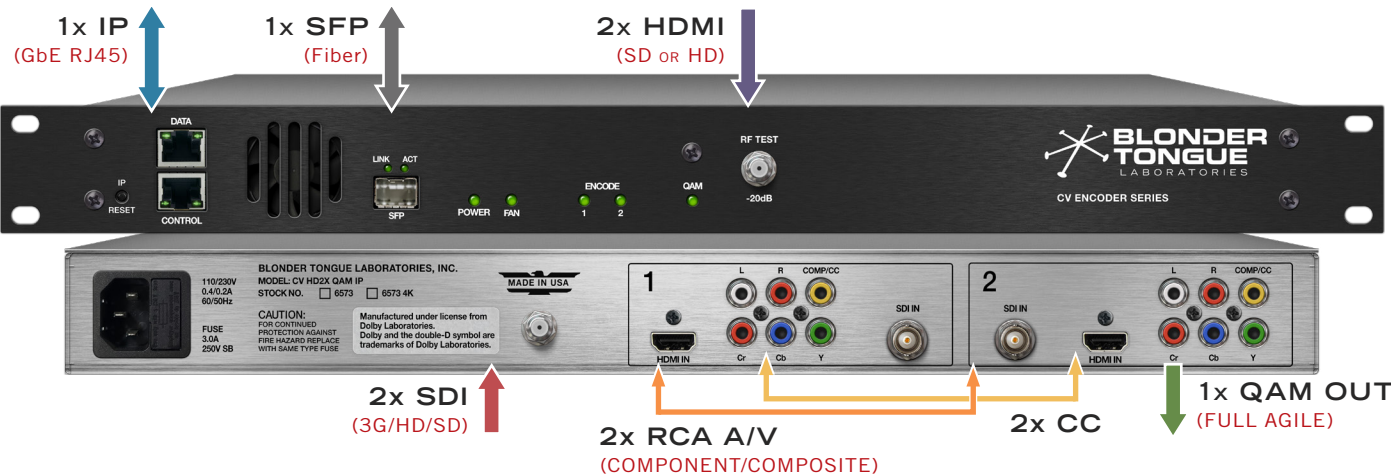
IP VIDEO CONTENT DELIVERY TO HOSPITALITY NETWORKS



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I/O OVERVIEW



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