



QUANTUM XL Portable Audio Codec

Remote Commentary Unit with optional Video decoder function

OVERVIEW

This CU includes 5 mic /line inputs and 4 headphone outputs. Additional sources to its embedded mixers are USB Audio, AES/EBU or AoIP/AES67 (DANTE or Ravenna optional) inputs.

The CU is built around two bidirectional audio codecs and a video decoder. The communication can follow either other BRAVE, SIP or RTP protocols. The device is stereo capable.



APPLICATIONS

All-in-one box solution for remote commentaries linking two bidirectional audio streams with four independent voices /sounds /or mixed audios to the studio or Host Broadcast Center.

Additionally a video downlink stream can be decoded internally and shown on a general purpose monitor, enriching the information supplied to the talents. Highly reliable jobs are achieved using Diversity and Bonded streams over a group of network interfaces (2x Ethernet, 2x LTE and Wifi).

Perfect sounds are encoded using a choice of advanced and low delay compression algorithms for sport and concerts.



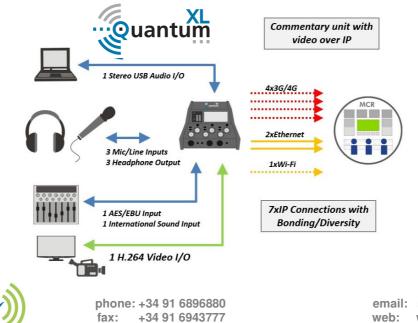


SPECIFICATIONS

Prodys

Specifications and designs are subject to change without notice.

AUDIO FEAT AUDIO INPUTS	 URES 5 Mic/Line with 48V phantom power (XLR connectors) 1 AES/EBU (XLR connector) 1 International Sound (XLR connector) 1 USB Stereo Dante/AES67 or Ravenna/AES67 (optional) 	COMMUNIC IP PROTOCOL	 CATIONS FEATURES Fully TCP/UDP/IP connectivity IP Unicast, Multicast and Multi-Unicast audio streaming transmission/reception Independent channels for transmission and reception SIP/SDP/RTP/STUN according to N/ACIP EBU Tech 3326 & 3368
AUDIO OUTPUTS	 2 Auxiliary Outputs (XLR connectors) 1 USB Stereo 4 Headphone Outputs (jack 6,35mm) Dante/AES67 or Ravenna/AES67 (optional) 		 FEC (Forward Error Correction) and Active Packet Recovery to recover from packet losses Automatic Jitter Buffer to avoid audio dropouts SIP Diversity with two IP interfaces
COMPRESSION ALGORITHMS	 PCM (16, 20 & 24 bits) Enhanced apt-X OPUS G722 G711 	OPERATION	 Dual stereo operation over IP: Program & Talkback lines Bonding or diversity upto 7 links for secure audio streaming with proprietary BRAVE protocol 2 Ethernets ports for redundancy or splitting control and
	MPEG Layer 2MPEG AAC LC, LD, HE & ELD (optional).		stream 10/100/1000 BaseTx Ethernet ports (RJ45 connectors)
AUDIO MIXING	 In-built channel mixer for both input and output sources Two different mixing matrixes for audio inputs 	Wi-Fi	 Wi-Fi interface 802.11 b/g/n with USB module (optional)
CONTROL	 Local control via touchscreen or web browser Remote control of levels and signals via ProdysControlPlus 	3G/4G	 2 options for streaming (optional) Two internal modems (local or worldwide coverage) External Communications Module with 4 SIM cards
		ISDN	 Optional
VIDEO FEATURES		OPERATIONAL FEATURES	
VIDEO OUTPUT COMPRESSION	 H.264 video encoding and decoding Simultaneous encoding and decoding operation 	CONTROL	 User friendly interface via touch panel, built-in Web Server or ProdysControlPlus application. Configurable user access control Powerful and flexible Presets, Profiles and Alarms
PROTOCOLS	 MPEG-TS, SRT and BRAVE transmission protocols 	DIMENSIONS & WEIGHT	 L x W x H: 280 x 235 x 85 mm Approximate weight: 2.29 Kg



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