

Atlona AT-OMNI-112 OmniStream Dual-Channel Networked AV Encoder

Resolution		
Video	4096×2160@24Hz, 3840×2160@24/25/30Hz, 1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@25/29.97/30Hz, 720p@30/50/59.94/60Hz	
VESA*	1920×1200, 1680×1050, 1600×1200, 1600×900, 1440×900, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×800 1280×768, 1152×768, 1024×768	
Codec	VC-2	
Latency	0.5 frames (e.g. 1080p@60Hz latency is <8ms) Note: Unusual network configurations may increase overall latency	
Bitrate	Up to 900 Mbps	
Color Space	YUV, RGB	
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0*	
Color Depth	8-bit, 10-bit, 12-bit	
Scaling	Up/down conversion	
Audio		
Digital IN/OUT	LPCM 2.0, LPCM 5.1, LPCM 7.1 Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos DTS, DTS-HD Master Audio	
Sample Rate	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz	
Bit Depth	up to 24-bit	
Distance		
Max distance dependent on Network configuration		
Signal		
CEC	Yes – Display: volume, power, input	
HDCP	1.4 switchable, hardware capable 2.2	
Scrambling	Up to AES 256 bit	
IP		
Protocol	RTP	
Ethernet Speed	10/100/1000 Mbps	
Address	DHCP, static	
QoS Tagging	Per RFC 2475	
FEC	Per SMPTE 2022-5:2013 Columns: 1-20 Rows: 0, 4-20	
RS-232		
Bit Rate	2400-115200 bps	
Connector	Molex – 3 pin x 2	
Temperature		
Operating	0°C to 50°C	32°F to 122°F
Storage	-20°C to 60°C	-4°F to 140°F
Humidity	20 to 90% non-condensing	
Power		
Consumption	~13W w/o analog audio, TBD w/analog audio	
Supply	Input: AC 85~264VAC 50/60Hz Output: DC 48V 0.83A	
Dimension		
H x W x D	34 x 208 x 112 (mm)	1.34 x 8.19 x 4.41 (inch)
Weight		
Unit	0.7 kg	1.54 lbs
Certification		
Power Supply	CE, FCC, cULus, RoHS, CCC, RCM	
Product	CE, FCC, RoHS	

*All VESA resolutions are 60p