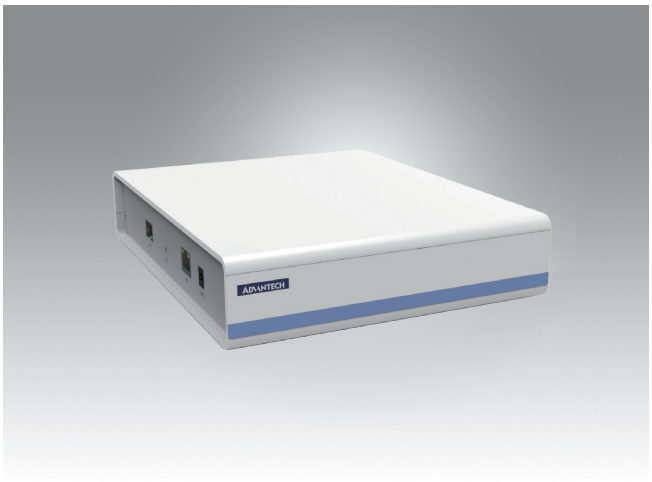
AVAS-212

Medical Grade Video Streamer



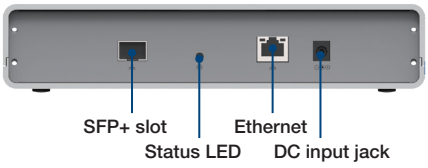
Features

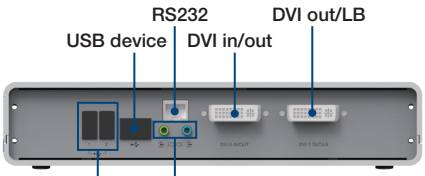
- Simultaneously use as an encoder and a decoder
- Zero latency to ensure excellent Hand/Eye coordination
- Ultra fast, lossless video transmission over IP
- All signals (video, images, audio, USB, and more) are transported via 10Gb optical fiber
- Multiple video sources can be displayed simultaneously on a screen with integrated video management
- Mouse and keyboard control the system behind the displayed images with superior hand/eye coordination even in QuadView or MultiView mode
- An open API enables user to integrate the product into environment or workflow management system

Specifications

Video	Input Resolution	Up to 4K UHD (4096 x 2160), 1 x uncompressed video
	Output Resolution	Up to 4K UHD (4096 x 2160), 1 x uncompressed video
	Direct display	Uncompressed video, latency < 1 frame
	Seamless switching	Latency 1 frame
	MultiView	Picture-in-Picture, Side-by-Side, Quad view, 1+3 bottom, 1+3 right
Audio	Audio	Analog audio in/out
Network	Network Bandwidth	10GbE
	Network Cabling	SFP+
I/O	SFP+ slot	1 for SFP+ module only
	Status LED	1 for indicate the AVAS-212 operational status
	Ethernet	1 RJ45 1GbE (no function, for future use)
	DC input jack	1 for 12V DC power in
	USB host	2 for USB 2.0 host type A connectors (no function, for future use)
	USB device	1 for USB 2.0 type B connector (no function, for future use)
	Audio out/in	2 for Audio out/in 3.5mm stereo jack connectors
	RS232	1 RJ-10 type connector (no function, for future use)
	DVI 0 in	1 x DVI-D input single link
	DVI 1 out/LB	1 x DVI-D output single link
Power		External PSU, 100~240V AC NDcoder AVAS-212,12V/2A DC
Certification		FCC, UL 60601, CE EN60601, CB EN60601, MDD, CCC
Environment	Operation temperature	0 °C to +40 °C
	Storage temperature	-10 °C to +50 °C
Dimension		176.50 x 220 x 44 mm
Accessories		12V DC power supply unit (PSU)

I/O





Ordering Information

Part Number	Description
AVAS-212-VNN0-D00	NDCoder / 4K UHD / StreamingBox

Optional Items

Part Number	Description
AVAS-212-0NN0-000	Networking Switch 12 Port
AVAS-212-0NN0-001	10G Networking Transceiver Module
AVAS-212-0NN0-002	1G Networking Transceiver Module
XAVAS-HPU32A-105	Power Adaptor 100-240V 30W 12V MED DC Jack
1702002600	Power Cord UL 3P 10A 125V 183cm
1702002605	Power Cord EU 3P 10A 250V 183cm
1700023491-01	DVI-to-HDMI Cable 19P(M)/DVI 19P(M) 1M

*AVAS-212 can be integrated in PAX series surgical monitor, please go to http://www.advantech.com to refer surgical monitor introduction.