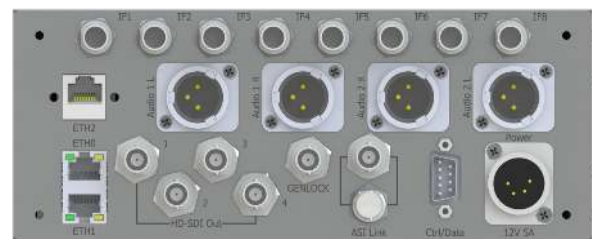


PRORXD-8-2RU-AEON

4K Professional HEVC Receiver and Decoder

Overview:

The perfect partner to the AEON-TX HEVC Transmitter. The PRORXD-8-2RU-AEON provides low latency HEVC Ultra High definition decoding. The decoder can support single 4K or up to two HD streams via quad 3G-SDI outputs. The HEVC codec used offers a step change in compression efficiency over H.264 systems, whilst maintaining low end-to-end latency, suitable for live events. High definition professional output formats are offered including HD-SDI with embedded audio and balanced stereo audio. Excellent RF performance ensures compatibility with Domo Broadcast and most third party encoders.



Features and Benefits:

- Ultra-low latency HEVC SD, HD and 4K decoding with tri-level sync genlock
- Video formats up to 2160p60, 10-bit and 4:2:2 Chroma sampling. Future HDR support
- Scalable decoding platform supporting single 4K or two HD services
- Dual pedestal 4-way diversity or single 8-way diversity COFDM receiver
- Four 3G HD-SDI video outputs, two balanced stereo pair audio
- Controlled via IP or integrated LCD display
- IP streaming in & out
- Designed for sports & events coverage, newsgathering and wireless studio camera applications

Product Information:

Product Includes

CA0512	External XLR audio cable
CA0649*	External 12V 6.67A 80W desktop PSU

* Requires AC cable

Accessory Options (sold separately)

AP000481	UK power cable for CA0649
AP001483	US power cable for CA0649
AP004634	EU power cable for CA0649
AP007192	AU power cable for CA0649
PRORXDSRFP-2RU	Single rack front panel extender 2RU
PRORXCPLKT-2RU	PRORXD-2RU coupling kit
DCB/DCBGS	Downconverters - various bands available
Antennas	Various frequencies available
CABRF1/3/10	TNC/TNC 50Ω RF cable. 1, 3 or 10m lengths
TBA	BNC/BNC HD-SDI 75Ω cable

Related Documents

TBA	PRORXD-AEON Broadcast Receiver User Guide
TBA	PRORXD-AEON Quick Start Guide

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4K Professional HEVC Receiver and Decoder

Technical Specification:

Inputs

Power	XLR4 male
RF (50-850MHz)	BNC x 8
Genlock	BNC

Output

3G HD-SDI video	BNC x 4
Balanced audio	XLR3 male x 4
RS232 control	9-way D-type

Video

HD resolutions	720p (50,59,60) 1080i (50,59,60) 1080p (23,24,25,29,30,50,59,60) 1080psf (23,24,25,29,30) 2160p (23,24,25,29,30,50,59,60)
Decoding modes	HEVC 4:2:2 / 4:2:0 8/10 bit
Delay	4K HEVC low delay 1080p50 -> 70ms (end to end) 2160p50 -> 110ms (end to end)

Audio

Output	Two balanced stereo pairs on four XLR3 Up to +24dBu levels on 600Ω
Sample rate	48kHz
Format	LPCM

Ethernet

Mode	10/100 Ethernet ports x 3
Function	Remote control via web-browser UDP/RTSP streaming over IP IP decoding

Additional IO

Genlock in	Tri-level composite
RS232 data output	1K2 to 115K2 baud switchable

Control

Remote control	Network web browser control interface
Local control	Front panel touch screen display

Encryption

ABS	Standard
AES128/AES256	Licensed (subject to export control)

Power

DC input	12-18V reverse polarity protected
Power consumption	<60W

Physical

Dimensions	220mm (W), 320 mm (D), 88mm (H)
Weight	3kg

Environment

Temperature range	-10°C to +50°C
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Software License Code

Silver (included)	TBA
Gold	TBA
Platinum	TBA
AES128RX	AES 128 bit decryption
AES256RX	AES 256 bit decryption

Export of encrypted products is subject to United Kingdom regulatory export controls.

For further information contact your Sales Account Manager, one of our Regional Sales Offices, or email solent.enquiries@domotactical.com

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