

# 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 a single 4K stream 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 a single 4K or HD service or one 'QUAD' HD service

Dual pedestal 4-way diversity or single 8-way diversity COFDM receiver

Four 3G HD-SDI video outputs, two balanced stereo audio pairs

Controlled via IP or integrated LCD display

ASI Input for daisy-chaining receivers

Designed for sports & events coverage, newsgathering and wireless studio camera applications

### Product Information:

#### Product Includes

*CA0649	External 12V 6.67A 80W desktop PSU
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\*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
DCBGSB	Downconverters - various bands available
Antennas	Various frequencies available
BNCBNC5/10	BNC (m) to BNC (m) 75Ω cable, 5/10m ultra-flexible

#### Related Documents

100270	PRORXD-AEON Broadcast Receiver User Guide
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### Technical Specification:

#### Inputs

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

#### Additional IO

Genlock in	Tri-level composite
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#### Control

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

#### Encryption

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

#### 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)	DVB-T, Dual Pedestal, UMWL
Gold	Silver plus Narrowband 2.5 and 1.25MHz
LIC-AEON-PSF	PSF Video Formats
AES128RX	AES 128 bit decryption
AES256RX	AES 256 bit decryption

\*\*Additional license feature

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](mailto:solent.enquiries@domotactical.com)

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