

PRORXD-1RU

Professional Dual Channel Receiver and Decoder

Overview:

The excellent RF performance is complemented by an extremely flexible decoding platform, with low-delay SD and HD MPEG2 and H.264 decoding ensuring compatibility with all Domo Broadcast and most 3rd party encoders. An optional 2nd decoder can be enabled, allowing 2 x SD or HD signals to be decoded. Multiple output formats are offered with composite and SDI outputs in SD and HD-SDI including embedded audio. ASI transport stream in/out is available and HDMI outputs are provided for use with domestic TVs.

A comprehensive on screen graphical display is available for monitoring and diagnostics, which can be enabled or disabled separately on the two video outputs.



Features and Benefits:

Single 4-way or dual 2-way diversity COFDM receiver – maximal ratio combining across all RF inputs for maximum sensitivity and flexibility

Dual SD/HD MPEG2 and MPEG4 4:2:2 decoding capability

Composite SD/HD-SDI, HDMI outputs plus ASI in/out

IP streaming in/out

B&B and tri-Level genlock supported

News gathering/SNG vehicles

Events coverage

Video assist

Product information:

Product Includes:

PRORXD-1RU	1RU Receiver
CA0512	External XLR audio cable
CA0579	HDTX external XLR audio cable
CA0649	External 12V 6.67A 80W desktop PSU

Accessory Options (sold separately):

PRORXDSRFP-1RU	Single rack front panel extender 1RU
PRORXCPLKT-1RU	PRORXD-1RU coupling kit
PRORXD-DEC2	Enable 2nd HD decoder on ProRXD receiver/ IP decoder
DCB/DCBGS	Various frequency codes are available
Antennas	Various frequencies available
CABRF	RF cable
PRORXD-UP	2-way diversity upgrade

Related Documents:

100167	PRORXD Broadcast Receiver User Guide
100223	PRORXD-1U-Quick-Start-Guide

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Technical specification:

Inputs

Power	XLR4(m)
RF	4 x BNC (50-850MHz)
ASI In	BNC
IFB	5-pin Lemo
Genlock	BNC
RS232 Control	9-pin D-type on optional breakout cable

Output

Switchable CBVS/SDI/HD-SDI/ASI	2 x BNC
HDMI	x 2
ASI Out	BNC
Audio	2 x 5-pin 0B Lemo
RS232 Data	2 x 9-pin D-type on optional breakout cable

Video (dual decoding option)

Resolutions (SD)	PAL/NTSC
Resolutions (HD)	720p50, 720p59, 720p60, 1080i50, 1080i59, 1080i60, 1080p23, 1080p24, 1080p25, 1080p29, 1080p30, 1080psf23, 1080psf24, 1080psf25, 1080psf29, 1080psf30, 1080p50, 1080p59, 1080p60
Supported Video Codecs	H.264 SD/HD 4:2:0/4:2:2 MPEG-2 SD/HD 4:2:0/4:2:2 MPEG-4 Part 2 ASP (DTC proprietary)
Delay	From 15ms end-to-end (mode dependant)

Audio

Switchable Output	1 stereo pair of balanced analogue audio or 2 balanced AES/EBU (4 channels) per decoder
Analogue Output	Stereo +18dBm (on 600 ohm)
AES/EBU	Balanced (110 ohm)
Sample Rate	48KHz
Format	MPEG audio layer 1 or 2 64kbps to 384kbps

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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Ethernet

Mode	2 x 10/100 Ethernet ports
Function	Remote control via web-browser UDP/RTSP streaming over IP IP decoding

ASI

Mode	Byte or burst mode
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Data Interfaces

RS232 Data Output	1K2 to 115K2 baud switchable
Features	GPS data extraction

Control

Remote Control	Network web browser control interface
Local Control	Front panel display with navigation keys
On Screen Display	Spectrum, RX SNR, RX power

Physical

Dimension	W 220mm, D 320 mm, H 44mm
Weight	2.1kg

Power

DC Input	9 to 26V reverse polarity protected
Power Consumption	27-49W (down converter dependant)

Environment

Temperature Range	-20 to +60°C
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Software License Code

Silver (included)	DVB-T, MPEG-2, H.264 SD
Gold	Silver plus H.264 HD, MPEG-4 ASP, narrowband 1.25MHz & 2.5MHz, IP streaming
Platinum	Gold plus narrowband 625kHz, ultra mobile video link (UMVL)