DTC

PRORXD-2RU
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 third party encoders. An optional second decoder can be enabled, allowing two 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 graphical on screen display (OSD) is available for monitoring and diagnostics, which can be enabled or disabled separately on the two video outputs.

Product information:

Product Includes

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

* Requires AC cable

Features and Benefits:

Single 8-way or dual 4-way diversity COFDM reciever – maximal ratio combining across all RF inputs for maximum sensitivity and flexibility

Dual SD/HD MPEG-2 and MPEG-4 4:2:2 decoding capability – option to decode two HD signals simultaneously

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

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
PRORXD-DEC2	Enable second HD decoder (license)
PRORXD-UP	Two way diversity upgrade (license)
RX-PACDIV-UP	ASI packet diversity (license)
DCB/DCBGS	Downconverters - various bands available
Antennas	Various frequencies available
CABRF1/3/10	TNC/TNC 50Ω RF cable. 1, 3 or 10m lengths
BNCBNC5/10	BNC/BNC 75Ω ultra flexible cable. 5 or 10m lengths

Related Documents

100167	PRORXD Broadcast Receiver User Guide
100224	PRORXD-2U-Quick-Start-Guide

Domo – Video, IP and Sensors

PRORXD-2RU
Professional Dual Channel Receiver and Decoder

Technical Specification:

Inputs

Power	XLR4 (m)
RF	BNC (50-850MHz) x 8
ASI In	BNC x 2
IFB	XLR3 (f)
Genlock	BNC
RS232 Control	9-way D-type on optional breakout cable

Output

2x CBVS/SDI/HD-SDI Video	BNC x 2
HDMI	HDMI type A x 2
ASI Out	BNC
Audio	XLR3 (m), 2 x 5-pin 0B Lemo x 4
RS232 Data	9-way D-type on optional breakout cable x 2

Video (dual decoding option)

Resolutions (SD)	PAL/NTSC
Resolutions (HD)	720p50, 720p59, 720p60, 1080i50, 1080i59, 1080i60, 1080p23, 1080p24, 1080p25, 1080p29, 1080p30, 1080p50, 1080p59, 1080p60, 1080psf23, 1080psf24, 1080psf25, 1080psf29, 1080psf30
Decoding mode	H.264 SD/HD 4:2:0/4:2:2 MPEG2 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	Two stereo pairs of balanced analogue audio or two balanced AES/EBU (four channels) per decoder
Analogue output	Stereo pairs +18dBm (on 600 ohm) - two on XLR and two on Lemo
AES/EBU	Two stereo balanced pairs (110 ohm)
Sample rate	48KHz
Format	MPEG audio layer 1 or 2 64kbps to 384kbps

Ethernet

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

ASI

Mode	Byte or burst mode

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	220mm (W), 320 mm (D), 88mm (H)
Weight	2.7kg

Power

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

Environment

Temperature range	-20°C to +60°C

Software License Code

Silver (included)	DVB-T, Video Decoder, SD Only (MPEG-2, H.264-SD), Ultra Mobile Video Link (UMVL)
Gold	Silver plus Narrowband 2.5MHz & 1.25MHz (H.264-HD & MPEG-4 ASP), Second Decoder, IP Streaming, IP Decoding
Platinum	Gold plus Narrowband 625kHz, 4:2:2

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

DTC – Solent
Fusion 2, 1100 Parkway
Solent Business Park
Whiteley, Hampshire
PO15 7AB, UK

T: +44 (0) 1489 566 750

DTC – Tampa (Head Office)
3845 Gateway Centre Boulevard
Suite 360
Pinellas Park, FL
33782, USA

T: +1 727 471 6900

DTC – Randers
Haraldsvej 64B
DK-8960
Randers SØ
Denmark

T: +45 8791 8100

DTC – Singapore
21 Media Circle
Infinite Studios #06-04
Singapore
138562

T: +65 6643 4700

DTC – Brazil
Alameda Araguaia 2
190 – Ed. CEA II – suite 1109
Alphaville - Barueri
São Paulo, Brazil
06455-000

T: +55 11 2321 5055

domotactical.com