



SOLBRXD – Broadcast Receiver Decoder

The domo SOLO Broadcast Receiver Decoder is an economical high quality diversity input digital video receiver. Supporting interoperation with other manufacturers DVBT systems and able to receive the domo transmitter family. The SOLO Broadcast Receiver incorporates a fully compliant DVBT COFDM diversity demodulator, with a compliant MPEG2 decoder, and high quality interfaces such as SDI video. The SOLO Broadcast Receiver is equipped with two antenna inputs with external down-converters to allow antenna placement remote from the receiver housing. The SOLO Broadcast Receiver operates a maximum ratio combining digital diversity; ensuring video is recovered free from distortions typically associated with fading and multipath.

The domo SOLO Broadcast Receiver has comprehensive on screen display diagnostic capability to show link quality and spectrum, enabling users to optimise transmission performance.

The domo SOLO Broadcast Receiver is equipped with video, two voice and data channels, and is designed for easy integration into command vehicle, briefcase or central receive applications.

The SOLO Broadcast Receiver is ideal for use in locations such as stadiums, and studios. Or as a film assist receiver on film set locations.

Features

- Fully featured 8/7/6MHz demodulation
- ASI and optional SDI interfaces
- Maximum ratio combining antenna diversity for fade and multipath elimination
- Comprehensive on screen display (OSD) diagnostics for link analysis, including spectrum analyser
- External down-converters for convenient antenna placement
- Internal AES128/256bit encryption (option)
- Very low delay video operation for real time applications.



Specification:

Down-converters

RF In TNC
UHF Out TNC

Input

UHF Input 1 TNC
UHF Input 2 TNC
Power 4 pin OB Lemo

Output

SDI Video (option) BNC
Composite Video BNC
Stereo Line level Audio Lemo
Chaining Interface Lemo
RS232 Data Lemo
RS232 Control Lemo
ASI Out BNC

RF

Frequency Bands 5.62 to 5.9GHz,
4.88 to 5.15GHz,
3.1 to 3.4GHz,
2.20 to 2.55GHz,
1.15 to 1.4GHz,

Tuning Steps 250KHz

Modulation

DVB-T Bandwidth 8/7/6MHz
DVB-T Guard 1/32, 1/16, 1/8, 1/4
DVB-T FEC 1/2, 2/3, 3/4, 5/6
DVB-T Modulation QPSK, 16QAM, 64QAM
Sensitivity -95dB plus

Video

Line Standard PAL/NTSC
Resolution 704, 528, 480, 352
Coding Mode MPEG 4:2:2 or 4:2:0
Delay 80ms

Audio

Output Line Level
Sample Rate 48KHz
Format MPEG Audio 384Kb/s to 64Kb/s mono or stereo

Data Interface

RS232 Data Output 1K2 to 115K2 baud switchable

Control

Remote Control RS232 Control from PC GUI Application
Local Control Front Panel 8 channel select,
RF on/off, Range mode, Lock, Alarm

On Screen Display

Spectrum, RX SNR, RX Power

Physical

Dimension Base Unit L 200mm, W 152mm, H 50mm
Down-converter L 102mm, W 100mm, H 35mm
Weight Base Unit 2.2kg
Down-converter 300g

Power

DC Input 9 to 16V Reverse Polarity Protected
Power Consumption 12W depending on mode

Environment

Temperature Range -10 to +50 deg C

Accessories Supplied

2 x Down-converter RX TNC Cable 3m
1 x BNC Video Lead 3m
1 x PSU12 Power Supply
1 x Control Cable
1 x Audio Out Cable OB(FGA) Lemo-phono 3m
1 x Data Cable (optional)

Product Code: SOLBRXD

Optional SDI: RX-SDI

FOR FURTHER INFORMATION, CALL DOMO ON +44 (0)1489 566 750