Navtech Systems Video Links

ROVER

COFDM HDSDI video link system

Product Description

The *Rover HDSDI* system provides an exceptionally stable wireless video transmission platform in high multi-path environments. Using the latest COFDM modulation techniques and diversity reception principles, *Rover HDSDI* delivers high quality, low latency video images in conditions where traditional analogue FM methods fail. Low bandwidth ensures spectral efficiency and greatly increases receiver sensitivity compared with conventional analogue techniques.

The Rover HDSDI allows HD or SDI format video to be wirelessly linked in a similar way to the conventional PAL/NTSC CBVS format video data, making it suitable for a wide range of applications in both the security and video-assist fields. It can be interfaced directly with HDSDI cameras when there is no CVBS output. An integrated Red-Byte Decimator© HDSDI module converts the SDI to conventional PAL or NTSC for linking via the robust Rover transmitter

Versatility of the HDSDI transmitter provides for transmitting either the HDSDI or conventional CVBS (PAL/NTSC) by simple switch selection. When interfaced to HDSDI a loop through facility provides for onward distribution of the HDSDI signal. Monitoring of the converted HDSDI to PAL is via an i/o BNC. A rotary switch allows simple selection of up to sixteen settings, these being any combination of frequency and COFDM parameters. DC power, video input signal status, are all clearly shown by LED indicators.

The standard transmitter is 100mW power output. Higher powers are available if required.

Mounting the transmitter is provided for by a V-Lock attachment to clip easily into a spare V-lock battery plate.

Reception is via the conventional Rover dual channel diversity receivers to provide optimum performance. Receiver options include the hand held *"Director"* with integrated video monitor and battery for truly portable applications.

Please note: The video output from the receiver is CVBS in PAL or NTSC format.

A selection of antenna configurations provide for a truly versatile video link system

Navtech Systems *Limited*

Sulby, Nr. Welford, Northamptonshire. NN6 6EZ. UK.
Telephone: +44 (0)1858 880 857 Fax: +44 (0)1858 880 859
E-mail: sales@navtechsystems.co.uk Web: www.navtechsystems.co.uk

Technical Details

Transmitter:

Standard output : 100mW (optional 1W or with PA)
Power : 12 VDC (9-24 optional)
Current : 100mW = 600mA,
RF o/p : SMA
Dimensions : 120mm x 78mm x 60mm
Weight : 0.45 kg
Video input : HDSDI or Composite via BNC
Video output : Loop through HDSDI or converted PAL/NTSC

Frequencies:

L Band : 1.15 - 1.4 GHz
S Band : 2.28 - 2.485 GHz
C Band : 5.725 - 5.850 GHz
Others by request

Bandwidth ` Standard 8 MHz
Narrow 2 MHz
Ultra narrow 1 MHz
Compression JPEG2000 - MPEG4 -H264
Modulation QPSK or 16-QAM

Navtech Systems *Limited*
Sulby, Nr. Welford, Northamptonshire. NN6 6EZ. UK.
Telephone: +44 (0)1858 880 857 Fax: +44 (0)1858 880 859
E-mail: sales@navtechsystems.co.uk Web: www.navtechsystems.co.uk