



FEATURES

**Small size: 170 × 120 × 42 mm
(unit only)**

**H.264, MPEG-4 ASP and MPEG-2
decoding in one unit**

Low power consumption

**Fully featured 8/7/6/2.5/1.25*
/0.625* MHz demodulation**

**Maximum ratio combining antenna
diversity**

Ethernet control

**12VDC powering via XLR or V-Lok
battery**

Tripod mounting

Optional IP streamin

DBS News HD Receiver

The News HD Receiver is a rugged fully portable digital diversity receiver incorporating an extremely flexible decoding platform with low delay SD and HD H.264 and MPEG2 decoding capability.

It is ideal for quick-deployment Newsgathering, plus use as a confidence or monitoring receiver for film assist, talent return video or Steadicam return video. Optional IP streaming allows for easy connection to IP networks or modems for satellite.

Control is achieved through an on-board control panel or via web-browser.

The product has comprehensive on screen display diagnostic capability to show link quality, enabling users to optimise transmission performance. The control panel allows the user to switch channels and perform basic configuration like frequency selection without the need for connection to a PC.

A 3/8" mount is included on the base for tripod/lighting stand mounting.

Connectors

RF Input from ANT 1	N-type Female 50 Ohm
RF Input from ANT 2	N-type Female 50 Ohm
Power	XLR4M
Control	RJ45

Output

SDI/HD-SDI Video Out	BNC-F
Audio	Hirose 6-pin Male

RF

Frequency Bands	2.17 to 2.50 GHz 3.10 to 3.70 GHz 5.50 to 5.95 GHz
Tuning Step Size	250 kHz

Control

Local	Joystick Control Panel
Remote	Ethernet

Physical

Size	170x120x42mm
Weight	700g
Temperature	-10 to +45 °C
Mounting	3/8" Screw mount
DC Input	6V to 16V, 9W consumed

Modulation

DVB-T Bandwidth	8/7/6 MHz
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
DVB-T Sensitivity	-95 dBm

Video

Line Standard	PAL / NTSC
Resolution	H.264 SD 704, 528, 480, 352
Resolution (HD)	1920*1080i @30/29.97/25 1280*720p @60/59.94/50
Coding Mode	H.264 SD/HD 4:2:0 MPEG2 SD 4:2:2 or 4:2:0
Video latency	80ms typical

Audio

Output Line	Level
Sample Rate	48 kHz
Format MPEG Audio	384 to 64kb/s

IP Streaming (Optional)

Bitrate	to 20Mb/s
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Product Codes

DBS-NEWS-RX-217250	New Receiver 2.17 to 2.5GHz
DBS-NEWS-RX-310370	New Receiver 3.1 to 3.7GHz
DBS-NEWS-RX-550595	New Receiver 5.5 to 5.95GHz