



## FEATURES

**Small size: 250 × 120 × 60mm**

**H.264, MPEG-4 ASP  
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 streaming**

## DBS Portable Receiver

The Portable Receiver is a rugged fully portable digital diversity receiver incorporating an extremely flexible decoding platform with low delay HEVC (to UHD) and HD H.264 decoding capability.

It is ideal for quick-deployment applications such as drone down link, or 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 for content distribution.

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. There are battery mounting plates for battery powering.

**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**

HD-SDI Video Out 3G/12G	HDBNC
Audio	Hirose 6-pin Male

**RF**

Frequency Bands	1.14 to 1.50 GHz 2 to 2.70 GHz 5.50 to 6 GHz
Tuning Step Size	250 kHz

**Control**

Local	Joystick Control Panel
Remote	Ethernet

**Physical**

Size	250 × 120 × 60 mm
Weight	500g
Temperature	-10 to +45 °C
Mounting	3/8" Screw mount
DC Input	9V to 16V, 14W 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**

Video Coding	H.264 and Optional H.265
Input Format H.264	1920×1080p 60/59.94/50Hz 1920×1080i 60/59.94/50Hz 1920×1080p 30/29.97/25/24/23.97Hz 1920×1080psf 30/29.97/25/24/23.97Hz 1280×720p 60/59.94/50Hz
Input Format HEVC	4K UHD. 4:2:2/4:2:0, 8/10-bit 2160p 23.98/24/25/29.97/30/50/59.94/60 HD. 4:2:2/4:2:0, 8/10-bit 720p 50/59.94/60 1080i 50/59.94/60 1080p 23.98/24/25/29.97/30/50/59.94/60 1080psf 23.98/24/25/29.97/30

**Monitor**

SFP	MSA or non-MSA modules 12G-SDI secondary output for monitoring including down sampling to HD
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**HDR/WGC**

We support	Rec. ITU-R BT.2100-2 (PQ and HLG) Rec. ITU-R BT.2020
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**Audio**

Format	Embedded
Decoder	MPEG-1 Layer 1, MPEG-1 Layer-2, Linear PCM
Quantity	8 pairs
Analogue	1 pair, Line Level (+18/+24 dBu)

**IP Streaming**

Formats	Unicast / Multicast / UDP / RTP / SRT
Bitrate	50Mb/s maximum

**Product Codes**

HHRX-114150	Portable Receiver 1.14-1.5GHz
HHRX-200270	Portable Receiver 2-2.7GHz
HHRX-550600	Portable Receiver 5.5-6GHz