

DVB-T Monitor Receiver (DMR)

COBHAM

The most important thing we build is trust.

Applications

- Mobile and Portable AV Applications
- Electronic News Gathering (ENG)
- Sports
- Point of View
- Studio Wireless Links
- Commercial DVB-T Reception
- Nordig II and ETS 300 744 DVB-T full compliance

Key Features

- 7" Integrated DVB-T digital terrestrial receiver
- Uses Professional batteries
- Internal Block-Down Converters
- OFDM demodulation 2K and 8K FFT
- Supports QPSK and 16/64QAM constellations
- Compact and lightweight

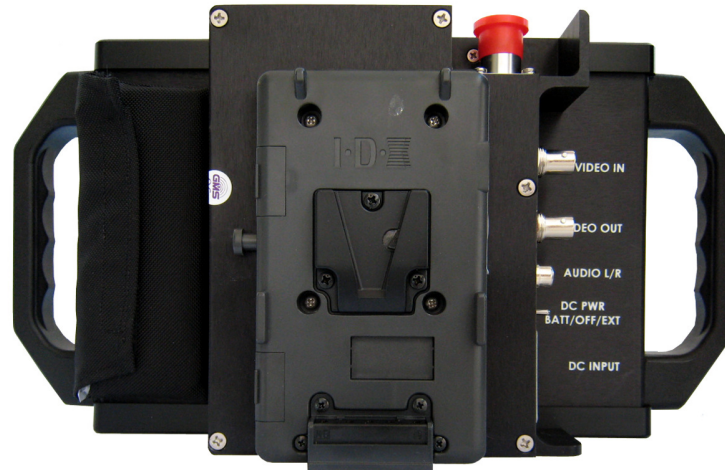


GMS' DVB-T Monitor Receiver (DMR) is a state-of-the-art DTV receiver for mobile/portable applications. This compact, battery (IDX or Anton Bauer) or DC operated product contains internal Down-Converters, a DVB-T compliant Receiver, 7-inch flat screen monitor and dual speakers. An analog audio & video output jack is provided for viewing on another monitor or for recording purposes. Additionally, external audio & video information can be brought into the DMR and presented on its display. This allows the DMR to be used for monitoring external recorder playback or the output of navigation devices.

The DMR can be used with GMS' Messenger Series transmitters and internally mounted Block-Down Converters (BDCs) for point to point and point to multi-point terrestrial applications. When used in conjunction with internal GMS' Block Down Converters (BDCs), the DMR can cover frequency bands up exceeding 7 GHz. UHF/VHF frequencies can also be supported for low-frequency applications.

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Specifications:

RF & DVB-T COFDM Characteristics:

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174 MHz to 862 MHz frequency range for VHF and UHF. Optional internally mounted BDCs provide reception to 7 GHz in-bands.

Manual Tuning Resolution: 1 MHz

Auto-Search for Commercial Channels
OFDM demodulation 2K and 8K FFT for SFN and MFN

Symbol rates up to 60MSps

Automatic adjacent-channel interference cancellation

Supports QPSK and 16/64QAM constellations

Supports 1/4, 1/8, 1/16, 1/32 guard interval

Supports FEC decoding: 1/2, 2/3, 3/4 5/6 and 7/8

Supports reed-solomon (204,188) ETS 300 477

DVB/MPEG2 transport and demultiplexing:

ISO/IEC 13818-1 MPEG-2 transport stream compliance

Video decoding and OSD:

ISO/IEC 13818-2 MPEG-2 video MP at ML compliance

ISO/IEC 11172-2 MPEG-1 video compliance

Resolution: 720 x 480 for NTSC and 720 x 576 for PAL

16:9/4:3, letterbox and pan/scan

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Audio decoding:

ISO/IEC 13818-3 MPEG-2 audio compliance
Single/stereo
Sampling rate up to 48kHz
Supports linear PCM sample rates up to 96kHz

DC Power Options:

Battery – IDX or Anton Bauer Options
External Power: 7-15V DC
Power Consumption: <18 Watts

Connectors:

Antenna: N-F
Video Input: BNC-F
Video Output: BNC-F
Audio Output (L/R): RCA-F
DC Input: 4-Pin XLR

Mechanical properties:

Dimensions (WxDxH)w/o battery:
12.3in X 6.5in X 3.58in/
31.2cm x 9.1cm x 16.51cm
Weight: 4.6 lbs / 2.086kg
Operation temperature: +1 to +40 degrees Celsius
Storage temperature: -0 to +80 degrees Celsius