

KERN



RX C.150 Monitoring-System **Digital COFDM Video/Audio Broadcast-Monitoring-System**



Fig. with Sony V-Mount System

**Portable
DVB-T COFDM
Diversity-Receiver
for quick
reportage
applications**

Main Features:

- ▶ Self-contained and rugged Diversity-Receiver-System with Video-Control-Monitor and Audio-Monitoring
- ▶ Integrated, high sensitive Down-Converter
- ▶ Digital- (SDI) und Analogue- (CVBS) Outputs
- ▶ Built in Speaker
- ▶ Balanced Stereo-Audio-Outputs
- ▶ Easy changeable Batteries, also during operation, by means of the Battery-Shift-System
- ▶ Additional external DC-Power Input
- ▶ Can be used when the Unit is closed
- ▶ Compact und lightweighted
- ▶ Ideal for the Camera-Transmitter TX C.106 and/or TX C.100
- ▶ „Made in Germany“

Applications:

The Broadcast-Monitoring-System was developed together with one of the major TV-Broadcast Company in Germany. The unit is designed for a quick set up. Also as a commentator's return video system, the unit can be used. Because of the integrated 2-Way-Diversity-System, the Broadcast-Monitoring-System provides superior performance in non-line of sight and multipath applications. Besides Newsgathering and Hand-Held purposes, the high performance unit can be used for Airborne applications.

Specifications:

Video Specifications:

1 x Serial Digital Output (SDI):	SMPTE 259M, 270 Mbit/sec, 525@30i or 625@25i, 1x BNC 75Ω
1 x Composite Video (CVBS):	Composite 1Vpp, NTSC or PAL B/G, 1x BNC 75 Ω

Audio Specifications:

Audio Output Left/Right:	Symmetric Stereo, 3-pin. XLR-connector
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Decoder Specifications:

Video-Decoder:	MPEG-2 Video according ISO/IEC 13818-2 MP@ML
Audio-Decoder:	MPEG Audio Layer II Stereo Encoding according ISO/IEC 11172, 2 channels, 16 bit, 48 kHz
„End-to-End“ Latency:	≤ 400 msec. Together with Transmitter TX C.106 or TX C.100

Receiver Specifications:

COFDM Demodulation:	Automatic detection of QPSK, QAM16, FEC (1/2, 2/3, 3/4, 5/6, 7/8), Guard Interval (1/32, 1/16, 1/8, 1/4)
Frequency Range:	2,350...2,550 GHz, adjustable in 100 kHz-steps
IF Input:	2 x N-connector 50 Ω

Physical Specifications:

Dimension/Weight:	42 x 18 x 34 cm (Housing w/o connectors), 6,3 kg (w/o batteries)
Operating Conditions:	-10...+55 °C, 90% Humidity not condensing, 6'000 m altitude
Power Supply:	Extern 12 V, 4-pin. XLR or intern via Battery-Adapter

User Interface:

Push-button for Audio/Video Monitoring On/Off
Switch for Audio left and right channel
Volume control
Battery-Status with Battery-Check-Button (20%-steps)
LED-Indication if external AC/DC adapter is used

Preview Monitor:

7 Inch	Resolution: 480 x 234
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Additional:

Optional: Battery-Adapter:	Anton Bauer or Sony V-Mount
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