

LS-80V

Digital COFDM Video/Audio Transmission System

KERN



Competitive and easy to use. Small sized and lightweight camera system.

Main Features:

- ▶ Digital DVB-T COFDM Modulation with 100mW Output Power
- ▶ Worldwide Usable in License Free 2.4 GHz ISM Band
- ▶ Digital Diversity Receiver for improved Reception in Non-line of Sight and Multipath Applications
- ▶ CE-approved
- ▶ MPEG-2 Encoding, PAL
- ▶ Delay: 400ms
- ▶ Analogue (CVBS) Input/Output
- ▶ Compact and Lightweight
- ▶ Easy to use, Plug and Play: Channel Selector, Locking-Lever Power Switch and Control LED
- ▶ Optimal Combination of COFDM Transmitter TX LS-80 and Diversity Receiver RX LS-80

Applications:

For applications where quick results and rugged equipment is needed. Ideal for Roving Sport Venue, Mobile Reporting and Wireless TV Production. Highly resistant to Multipath Degradation.

Specifications:

Video Specifications:

Composite Video (CVBS): Composite 1Vpp, PAL B/G , 1x BNC 75 Ω

Audio Specifications:

Analogue Audio: Asymmetric Mono, Line Level, 1 x RCA

Encoding Specifications:

System Encoding: MPEG-2 Transport Stream according to ISO/IEC 13818-1

Video Encoding: MPEG-2 Video according to ISO/IEC 13818-2

Audio Encoding: MPEG Audio Layer II Encoding according to ISO/IEC 11172, 16 bits, 48 kHz, 256 kbit/sec

End-to-End Latency: <400 msec

RF Specifications:

COFDM Modulation: QPSK

Transmitter RF Output: 100 mW, 1x female connector type SMA 50 Ω

Receiver RF Input: Noise figure 1.0 dB, 2x female connector type SMA 50 Ω

Frequency Range: 10 channels from 2.406 to 2.478 GHz in 8 MHz steps

Physical Specifications:

Transmitter Dimensions: 165 x 105 x 30 mm, 480 g (body only, w/o mounts and connectors)

Receiver Dimensions: 165 x 105 x 45 mm, 540 g (body only, w/o mounts and connectors)

Operating Conditions: -20...+50 °C, 90% humidity long term, 6'000 m altitude

Transmitter Power Supply: 10...24 V, 12 W, 3pin Binder-Connector or optional via battery mount

Receiver Power Supply: 10...14 V, 8 W, 3pin Binder-Connector

Compliance:

CE approval : CE 78 100 5682 !

Additional:

Battery mounts (Transmitter Option): Anton Bauer or Sony V-Mount on both sides, or none

Support (Option): 3/8" UNC Thread (for tripod mount)