

ENG-II

Complete ENG Package



FEATURES:

- High-quality 2.0 GHz transmit solution for OB/ENG
- High power lightweight high performance amplifier
- Omni or Directional Antenna options
- Intuitive menu structure and navigation
- Unit accepts Composite, Component, SDI and ASI video formats
- Accepts analog, AES digital, and embedded audio inputs
- Delivers 6, 7 or 8 MHz bandwidth transmission
- LCD screen with status of all basic parameters and alarm indications

OPTIONS:

- Available in 2.0 GHz Band
- Standard definition 'out-of-the-box'
- Standard Definition/High Definition upgradable (for an additional charge)

The ENG-II is RF Central's digital only, MPEG2 COFDM truck transmit solution. The unit is designed to meet the needs of today's fast-paced RF environment in ENG and OB applications. It can be locally controlled through the keypad or thumbwheel on the front panel, or is remote-controllable via the companion RMTC remote control. The RMT-II- ENG is delivered Standard Definition 'out-of-the-box,' but can be software upgraded to High Definition capability by our factory technicians at an additional charge. The ENG-II 2 GHZ digital COFDM complete transmission package offers exceptional performance in ENG trucks with 7 watts COFDM transmit power in all modes. Modes include QPSK, 16QAM, and 64QAM. The package consists of an MMPA-II 6.5 lb mast mounted power amplifier, RMTC-II Transmit Control Unit and the RMT-II transmitter. The transmitter by itself provides 500mw output and when configured as the ENG-II package delivers up to 7 watts digital RF output. The RMT-II features built in SD bars full field. The Tx also accepts composite, component, SDI and when upgraded to HD, HD (SDI) inputs. All versions accept ASI data input. The ENG-II package is offered in both SD and SD/HD formats.

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Specifications:

Frequency Band: 2.0 GHz

Tuning Range/Frequency Selection: To accommodate FCC channel plans, up to 16 pre-set channels, tuning in .25 MHz steps, selectable via control panel

Transmit Power: Adjustable to 7 Watts

Digital / Analog Transmit: Switchable

Modulation Modes:

FEC: QPSK, 16QAM, 64QAM
1/2, 2/3, 3/4, 5/6, 7/8

Guard Interval: 1/4, 1/8, 1/16, 1/32

Data Rate: 4.98 to 31.7 Mbit/s

Bandwidth: 8 MHz, 7 MHz, and 6 MHz

Encoding Options: MPEG2: 4:2:0/4:2:2 (DVB standard)

Video Input:

Digital: SDI 270 Mbit/s

Analog: NTSC/PAL composite or component

Audio Input: Analog: 2x stereo/4x mono inputs, mic/line selectable, 2x AES/EBU

Data Input: User interface RS-232 or RS-485

Transport Stream Input: DVB-ASI

Control and Monitoring: Menu selectable via front control panel; RF output level meter; Power on / standby present; Video present; Test signals; Front panel summary alarm; Comprehensive internal lock alarms

Power Supply: 12 VDC/120 VAC

Physical:

Size:

Rackmount units (total): 5.25" H x 19" W x 14.2" D
(13.3 x 48.3 x 36.1 cm)

Size:

Outdoor unit: 11.5" H x 5.0" W x 4 D"
(29.2 x 12.7 x 10.16 cm)

Environmental: Temperature: -20 to +50°C

Altitude: 14,500 ft. (4,420 m)

Humidity: 95% long term