

HD/SD Portable Transmitter Integrated Encoder and Multi-Mode Modulator

Features:

- Lightweight—ideal for portable or airborne applications
- HD/SD MPEG-2 encoding
- Multiple modulation selectable; FM, COFDM, VSB, QAM, DVB-S
- Available in single, dual or tri-band configurations
- Remote control of all functions via RS-232/RS-485
- Dynamic color bars with field programmable ID
- Video inputs: composite video, SDI (HD), DVB-ASI, 70 MHz
- Audio inputs: two analog standard, four audio available; AES/EBU, de-embedded from SDI
- Front panel LCD smart display for total control
- Five quick keys provide for easy operation and fast access to commonly used functions
- Fifteen quick-store presets allow quick access to user configurable parameters and setups
- Power outputs from 0.25 W to 8 W
- Integrated universal AC/DC power supply



The ChannelMaster, ushering in a new class of totally integrated, feature rich portable microwave transmitters. The ChannelMaster is available in single, dual or tri-band configurations, using frequency bands from 1.5-15.4 GHz. The ChannelMaster encoder features adjustable long GOP encoding including I P and B frames improving video quality as well as a low delay mode. The encoder can be purchased as HD/SD or SD only. For increased flexibility a wide array of inputs are provided, including composite video/audio, SDI (with de-embedded audio), ASI and 70 MHz. The ASI input is ideal for use with an external MPEG-2 encoder or to support digital repeater applications. Two audio inputs are standard, while four audio inputs are available. For FM operation, an internal SDI to composite converter is integrated providing seamless operation between analog and digital modes. This eliminates the need for an external converter when used in an SDI plant.

The ChannelMaster features software generated modulation formats that are stored in circuit board PROMs. Available formats include — FM (NTSC/PAL), COFDM, VSB and single carrier QAM.