

HD/SD ENG Van Transmitter Integrated Encoder and Multi-Mode Modulator

Features:

- Space-saving single rack unit design
- HD/SD low latency MPEG2 encoding
- Multiple modulation selectable; FM, COFDM, VSB, QAM, DVB-S
- Available in single, dual or tri-band band using one RF head
- Inputs: composite video, SDI (HD), DVB-ASI and 70 MHz
- Audio inputs: two analog standard, four audio available; AES/EBU, de-embedded from SDI
- Integral SDI to composite converter for FM operation runs an entire vehicle SDI
- Front panel smart display for total control
- Eight quick keys provide for easy operation and fast access to commonly used functions
- Six quick-store presets allow quick access to user configurable parameters and setups
- Dynamic color bars with field programmable ID
- Remote control of all functions via RS-232/RS-485
- Omni antenna switching capabilities optional



The Newscaster VT7 is the “Broadcasters Best Choice” for the migration to HD ENG. The VT7 is a major step forward in van transmitter technology and offers more useful features than any other product in its class. The digital engine is comprised of a HD/SD encoder with adjustable long GOP encoding featuring I, P and B frames as well as a low delay mode. The COFDM modulator has full control over the modulation formats, bandwidth, data rate and guard interval. For increased flexibility a wide array of inputs are provided, including: video/audio, SDI (HD) with embedded audio, ASI and 70 MHz. The ASI input is ideal for use with an external MPEG2 encoder or repeater applications.

The VT7 features software generated modulation formats that are stored in onboard, circuit board PROMs. Available formats include; FM (NTSC/PAL), COFDM, VSB, single carrier QAM and DVB-S.

High output power is a huge advantage for ENG operations working in a competitive environment, and the VT7 is available with up to 8 watts of digital output power.