

LPTV-5000-V3

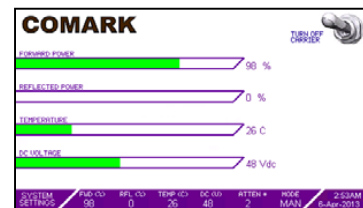
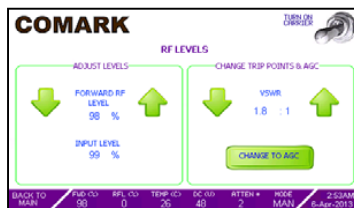
VHF Band 3 DTV Transmitters

The LPTV-5000-V3 is compact low power VHF digital transmitter providing an extremely cost effective solution.

Hitachi-Comark provides high performance and award winning television transmitters that are backed by more than 45 years of leadership in broadcast technologies.

The LPTV-5000-V3 is a compact platform that is available in 250 – 5000 watts average output power.

The transmitter uses an external RF mask filter for ATSC systems. Units are software upgradeable from ATSC 1.0 to 3.0. The transmitter features a full color touch screen display user interface. Remote monitoring and control is via Ethernet / SNMP and/or a dedicated rear-panel parallel port using a DB-25 interface.



Touch screen User Interface

SPECIFICATIONS

Input:

- MPEG-2 transport stream
- DVB-ASI, BNC 75 Ω impedance
- 19.39Mbps max input data rate

RF Output:

- Type N or 7-16 DIN female connector power level dependent
- 50 Ω impedance

RF Performance:

- 250W through 5kW output power, with 10-100% adjustability
- 6MHz RF channel bandwidth
- VHF B3 (174-216 MHz)
- >36 dB typical MER
- >104 dB phase jitter
- > -50 dB typical RF shoulders

Environmental & Mechanical:

- 0° to 45° C Temp range
- <90% relative humidity, (non-condensing)
- Air cooled, front to back air flow
- 19" W x 25" D, consult factory on vertical height / power level
- 110/220VAC +/-10%, 60 Hz

KEY FEATURES

- ▶ Automatic adaptive pre-correction for highest possible SNR
- ▶ 250W-5kW models available
- ▶ Repeater (RF input) optional
- ▶ Full color touch screen display
- ▶ 2 stage amplification with Class A/AB operation
- ▶ Designed for adjacent operation
- ▶ Ultra efficient switching PSU
- ▶ Air cooled for high reliability and long service life
- ▶ ATSC A/53 8VSB compliant

ORDERING INFORMATION

Please contact your authorized Hitachi-Comark representative.
US Sales 1-800-288-8364 or 413-998-1100
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