

LPTV-5000-V1

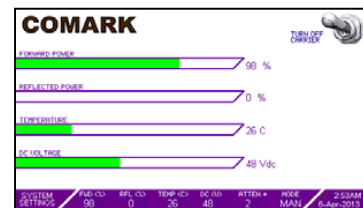
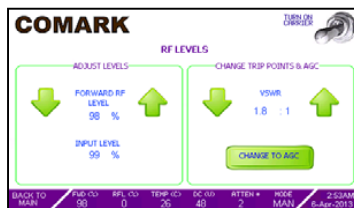
VHF Band 1 DTV Transmitters

The LPTV-5000-V1 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 B1 (54-88 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
Hitachi Kokusai Electric Comark LLC
104 Feeding Hills Road
Southwick, MA 01077

Hitachi Kokusai Electric Comark LLC. All rights reserved. Hitachi-Comark strives to present accurate product data but reserves the right to change specifications without prior notice. The ATSC product line specifications in this brochure are current as of the publication date listed below. Please verify product specifications by contacting our office. COMARK™ products, features and technology may be covered by one or more U.S. or foreign patents.