

DTV-R3000 ATSC DEMODULATOR



MANUFACTURED BY
DTV EXCHANGE LLC

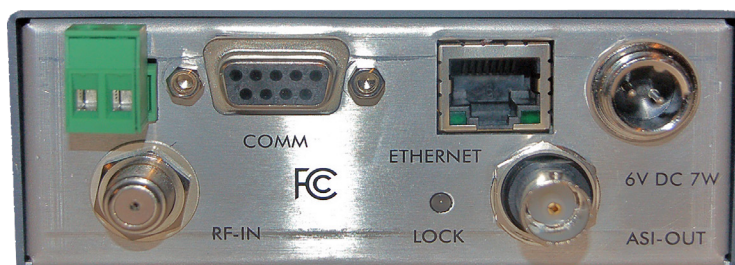
DTV Exchange LLC's DTV-R3000 is an ATSC/8VSB digital demodulator that provides a DVB-ASI output. The unit is a 1/4 RU-wide x 1RU tall x 6 inches deep. Four units fit in an optional DTV-R3000-RM rackmount. The unit is small in size, low in power consumption, and light in weight making it ideal for all broadcast television and cable environments.

The DTV-R3000 provides a DVB-ASI output of the received transmission. The DVB-ASI transport stream output can be used to feed to other equipment such as analyzers, decoders, and multiplexers, or passed to other equipment in a cable plant, such as a modulator or upconverter. This ATSC demodulator can be controlled by a tablet if on the same network.

Its front panel features an easy-to-use up-and-down channel selection with an RF level indication on a bar graph. The power supply uses an external 110/220 universal AC adapter, providing the required DC power input.

FEATURES

- High-density installation: 4 ATSC receivers in 1RU
- Supports ATSC/8VSB modulated transmissions
- Ethernet communications via web browser or tablet for control and monitoring
- Output DVB-ASI compliant transport stream
- Supports Simple Network Management Protocol (SNMP)
- Fault Relay Interface



DTV-R3000: Rear Panel

SPECIFICATIONS *(subject to change without notice)*

RF INPUT

Input Connector Type	F-type Female
Input Level	-80dB to -5dB
Tuning Range	55 to 860 MHz (VHF 2-13, UHF 14-69)
VSWR	5

ASI OUTPUTS

Output Connector Type	1 BNC
Output Level	800 mV typical
ASI Jitter	< 2ns

GENERAL

Display	Two 7-segment LEDs to display the selected RF channel One 10-segment bar graph representing the received RF level LED indicators for POWER, RF LOCK, and ASI ACTIVE OUT
Communication Interfaces	One Ethernet port RJ-45 10/100Base-T (web browser control) One 9-pin D sub for RS-232 serial comm 11520 Baud, 8-bit, no parity, 1-stop bit, no flow control.
Power	Power connector barrel type with lock Power input 5.9 V _{DC} + 1.2 Amp Power Consumption < 7W nominal AC Adapter Included
Dimensions	1.5in x 4in x 6in (4.06cm x 10.16cm x 15.24cm)
Weight	1 lb (0.454 kg)
Warranty	Limited Warranty. One year Parts / One year Labor. Extended Warranties Available.

ENVIRONMENTAL

Operating Temperature	32° to 122° F (0° to 50° C)
Storage Temperature	-22° to 149° F (-30° to 65° C)
Humidity	Non-condensing
Operating	20% to 80%
Non-operating	5% to 90%
Altitude Operating	6562 ft (2000m)

ACCESSORIES

DTV-R3000-RM	Rackmount Tray for DTV-R3000 digital demodulator.
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