



AV1010 Commercial ATSC/DTV Receiver



AV1010 Commercial Receiver for off-air DTV signals

**Off-air DTV receiver for high quality TV
Translator and Cable Headend reception**

**Rugged construction for 24/7 unattended
operation**

**Front panel programming with IR lockout and
automatic state recovery after power failure**

Receives ATSC/DTV signals channels 2 – 69

**Converts any of 18 ATSC formats
automatically to selected line/field rate**

**Conditioned 75 ohm video outputs in NTSC
and high definition component formats**

**600 ohm balanced stereo audio outputs to
minimize hum pickup**

Forced air cooling for long receiver life

**Internal AC power supply simplifies operation
with plant UPS system**

**Optional SMPTE 259M standard definition
serial digital video output**

Rack mounting hardware provided

The AV1010 is a commercial level off-air receiver for ATSC/DTV signals currently being broadcast in over 500 television markets. These ghost-free digital signals lend themselves to high quality reception under severe multipath conditions that may render NTSC signals unwatchable.

Many of these DTV signals are available on UHF channels where high gain directional antennas can be installed at translator or headend locations. The DTV signal at such locations may be more noise, interference, and multipath ghost free than the same stations on-air NTSC signal. Using the clear DTV signal in such conditions brings this full quality video and audio to the cable or translator viewer at a modest cost.

The AV1010 is a commercially packaged ATSC/DTV receiver with added hardware, cooling, and signal output conditioning for reliable, unattended operation twenty-four hours a day. It is an economical choice, and provides the best feed of clean video and audio where a DTV signal is available.

An optional SMPTE 259M serial digital video module is available for television station plant monitoring applications.

AV1010 Specifications:

Frequency Coverage:

U.S Television channels 2 - 69

Signal Type:

ATSC/8VSB

Tuning Method:

Automatic channel sensing and direct entry with handheld and front panel controls and menu navigation with button and IR lockout. Consumer remote control supplied.

Display:

Graphic display on NTSC or VGA picture monitor, with clean feed on alternate output.

Internal User Memory:

System comes up after power down in last active state

RF Input:

75 ohms, type BNC Connector

Type BNC to Type F adapter supplied

Output Formats:

Video:

NTSC: 480i/59.94; 75 ohm BNC

NTSC: 480i/59.94; 75 ohm RCA

S-Video: 480i/59.94; 75 ohm Y/C, DIN

Component HD: 1080i, 720p or 480p; YPbPr 75 ohm BNCs or RGB 15 pin

Optional Serial Digital: SMPTE 259M 75 ohm BNC

Audio:

Stereo 600 ohm balanced: -20 dBm, XLRs

Stereo HiZ: RCA Connectors

Digital: Optical and Coaxial

Operating Temperature:

0 ° C to +45 ° C

Weight:

4.5 Kg (10 lbs).

Dimensions:

3.5 x 18 x 17 in (H x D x W)

AC Power Requirement:

90 – 130 VAC, 70 VA

Supplied Accessories:

- Rack Mounting Hardware
- AC Power Cord
- Type F female to Type BNC male adapter
- Operator's Manual
- Handheld Remote Control

Ordering Information

AV1010 Commercial ATSC/DTV Receiver

Options:

SDI – SMPTE 259M standard definition serial digital video output

RS – Rack Slide Kit, non-tilt, for racks up to 24" deep



This product is manufactured in the USA by Z Technology, Inc., and carries a 1-year warranty. For additional information please contact the factory.

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