

ATSC997 SIGNAL SOURCE

All Format ATSC Signal Source



- Provides ATSC 8-VSB modulated output for all UHF-VHF channels
- Supports major cable plans (FCC, IRC, HRC) for cable applications
- Provides IF loop-through
- Versatile multi Transport Stream input:
 - DVB Parallel input
 - TTL Parallel input
 - DVD loading
- Plays directly from the DVD drive
- Selectable RF channel and level
- Front panel output
- Easy to use, straight forward front panel

FUNCTIONALITY

CHANNEL SELECT tunable to any UHF/VHF or cable channel.

LEVEL lets the user adjust the RF level of the output for receiver stressing

PLAY LIST RECALL will recall to the unit display the list of programs stored in the unit and on DVD in drive.

PLAY starts the selected program. The vacuum-fluorescent display provides the program name, duration, channel, RF level, and percent of stream played.

RECORD activates the unit's ability to capture a video data stream.

PRODUCT SPECIFICATIONS

Parallel Input:

Data Bit Rate 19.392658 Mbits/sec over LVDS or TTL

IF Output:

Carrier Frequency 44 MHz
Roll-off 11.5%
MER ≥ 32 dB w/o equalization
Impedance 50 Ohms
Power level -10 dBmV
Pilot Location Selectable (Left/Right)

IF Input

Center Frequency 44 MHz
Impedance 50 Ohms
Level -10 dBm

RF Output (with -10dbm IF input):

Band 50 to 890 MHz
Channel Plan Selection: VHF/UHF or Cable (FCC, IRC, HRC)
(user selectable)
Frequency accuracy +/-10 kHz
Phase Noise ≥ 90 dBc @ 20 kHz
Modulation Type 8 Level VSB Trellis
Roll-off 11.5%
Output Level -20 to +45 dBmV, ± 3 dB
Attenuation Range 0.0 - 65.0 dB
Attenuation Resolution 0.1dB
Signal to Noise ≥ 60 dBc (Output ≥ 0.0 dBmV)
of Attenuation Presets 4
Preset Size 0.0 - 65.0 dB (programmable)
Spurious ≥ -60 dBc
Impedance 75 Ω
Connector BNC (front standard, or rear optional)

Reference Input:

Frequency 10MHz
Level 0.5 to 5 VPP

Program Storage:

Total play time 100 minutes (extra 100 minutes optional)
Data compatibility All formats in the ATSC standard

Dimensions:

17"x 3.5"x 20", 16lbs

For more information call:
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Ask for ATSC product group

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