TECH3-8US-2X4

HD Rack

HDRACK powered by HDHomeRun®
- Enterprise site-wide multicast streaming
- Digital broadcast diagnostics/troubleshooting
- Head-end monitoring
- Customized commercial applications

TECH3-US
- 8 tuners - 2X4
- ATSC (8VSB)
- Digital Cable (QAM256/64 Annex B)
- 44MHz to 1002MHz tuning range
- 6MHz channel bandwidth
- Up to +40dBmV single channel
- 100baseTX Ethernet per tuner pair

Features
- Multicast streaming
- Constellation plot display
- Compatible with TS Reader for stream analysis
- dBmV signal level display
- dB signal quality (MER) display
- Configurable TTL
- Static channel / target / IP configuration
- Scriptable from Windows, OSX, Linux, *BSD, Solaris
- 8VSB to IP
- QAM to IP
- Multicast Service Announcement (SAP)
- Hardware PID filtering
- Limited warranty

Application
- IPTV unicasting, multicasting, streaming
- Streaming to designated video clients. VLC, QuickTV, or Windows Media Player

Multicast
- HDHomeRun QuickTV client for Windows:
  - Light-weight install
  - Configurable multicast channel list
- Windows Media Player plugin for Windows:
  - URL or favorites based multicast selection
- VideoLAN VLC for Windows/Mac/Linux:
  - URL or favorites based multicast selection

Multicast Digital RTP Streaming
Cross Platform Support
Static Channel Mapping
Broadcast Signal Diagnostics and Monitoring

Market Deployments:
- Educational Institutions
- Multi-Dwelling Units (MDU)
- Corporate Environments
- Hospitality Locations
- Television Broadcast Outlets
- Head End Diagnostics
- Remote Site Monitoring
- Low Cost Field Technician Solution

www.amt.com
Multicast • Signal Diagnostics

**General Specifications**

- **Tuner Interface:** (4) 75 Ohm F Connector
- **Tuner Count:** 8 Tuners
- **Network Interface:** (4) IEEE802.3u 100Base-TX Ethernet (RJ-45)
- **Dimensions:** Rack Mount - 19” x 10” x 1.75”
- **Power:** 100-240V

**Environmental**

- **Operating Temperature:** 0˚C to 45˚C (32˚F to 105˚F)
- **Operating Humidity:** 20% to 80% (non-Condensing)

**Tuner / Demodulator**

- **Modulation:** ATSC: 8VSB
  - Cable: QAM64 / QAM256 Annex B
- **Frequency Range:** 44 to 1002 MHz
- **Input Level:** -12 to +15 dBmV
- **Hardware PID Filter:** Program Number / Arbitrary PID Ranges
- **Signal Diagnostics:** dBmV / MER measurements Constellation Plot

**Network / Management**

- **Address:** IPv4 (RFC791) AutoIP / DHCP / Static
- **Control:** TCP
- **Data:** UDP / RTP encapsulated MPEG2-TS
- **Time To Live (TTL):** User configurable
- **Multicast support**
- **Non-volatile configuration storage**
- **Upgradable firmware**
- **Multi-unit expandable**

**Other**

- **Warranty:** Limited warranty
- **Operation Systems:**
  - (32/64bit)
    - Windows 7 / Windows Vista / Windows XP
    - Linux
    - MAC OS X
    - BSD
    - Solaris
- **Requirement:** 4 CAT5 and 4 RG6 cables
- **Size:** IU Network Rack

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**Site-wide multicast streaming**

Allow unlimited simultaneous computers to access digital TV by streaming multicast RTP digital video from antenna or unencrypted cable. Windows viewing using Windows Media Player or HDHomeRun QuickTV, multi-platform viewing using VLC.

**Digital broadcast diagnostics/troubleshooting**

The HDHomeRun TECH provides RF diagnostics including signal strength, SNR, and constellation plots. For stream diagnostics use the HDHomeRun TECH with TSReader for breakdown of bitrates, programs, and tables.

**Head-end monitoring**

The HDHomeRun TECH can be command-line scripted for use with always-on monitoring applications. Command line utility compatible with Windows, Mac, Linux, and Solaris.

**Customized commercial applications**

The HDHomeRun TECH can be controlled by C library code for a wide range of customized applications.