



HDRACK

powered by **HDHomeRun**[®]

HDRACK powered by HDHomeRun[®]

- Enterprise site-wide multicast streaming
- Digital broadcast diagnostics/troubleshooting
- Head-end monitoring
- Customized commercial applications

TECH3-EU

- 8 tuners - 2X4
- DVB-T
- DVB-C QAM256/128/64 Annex A
- 44MHz to 1002MHz tuning range
- 8/7/6MHz 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
- Multiple transport streams - (one transport stream per tuner)
- Hardware PID filtering
- Limited warranty

Application

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



Rack Mount

TECH3-8EU-2X4

With Feet



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



TECH3-8EU-2X4

HDRACK

powered by **HD HomeRun**[®]

Multicast • Signal Diagnostics

General Specifications

Tuner Interface: (4) 75 Ohm Beling Lee Connector
Tuner Count: 8 Tuners
Network Interface: (4) IEEE802.3u 100Base-TX Ethernet (RJ-45)
Dimensions: Rack mount - 482mm x 254mm x 44mm
 Wth feet - 431mm x 254mm x 50mm
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: DVB-T: QAM64/16/QPSK
 DVB-C: QAM256/128/64 Annex A
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: Windows 7 / Windows Vista / Windows XP
 (32/64bit) Linux
 MAC OS X
 BSD
 Solaris
Requirement: 4 CAT5 and 4 RG6 cables
Size: IU Network Rack



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.

