

HD HomeRun[®] TECH



HDHomeRun[®] TECH Dual Digital TV Tuner

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

TECH3-US

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

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
- 1 year warranty

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.



TECH3-US

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



Multicast • Signal Diagnostics

General Specifications

Tuner Interface:	75 Ohm F Connector
Tuner Count:	2 Tuners
Network Interface:	IEEE802.3u 100Base-TX Ethernet (RJ-45)
Dimensions:	93mm x 105mm x 29mm
Power:	5V DC @1Amp

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
Bandwidth:	19.392Mbps (8VSB) 26.970Mbps (QAM64) 38.810Mbps (QAM256)
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:	1 year warranty
Operation Systems: (32/64bit)	Windows 7 / Windows Vista / Windows XP Linux MAC OS X BSD Solaris



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.

