Sample channel list - may vary by location

We provide multicast, Live TV streaming products ideally suited to a range of demanding commercial applications.

Products
TECH4-2US (2 tuners)
TECH5-16US (16 tuners)
ATSC (8VSB) Clear QAM (QAM256/64 Annex B)

TECH5-36CC (36 tuners)
Premium cable TV (CableCARD™)

Overview
• Enterprise site-wide multicast streaming
• Digital broadcast diagnostics/troubleshooting
• Head-end monitoring
• Customized commercial applications
• 44MHz to 1002MHz tuning range
• 6MHz Channel bandwidth

Application
• IPTV unicasting, multicasting, streaming
• Streaming to designated video clients.
  VLC or Windows Media Player
• Config GUI

Features

- 19" Rackmount (8/36 tuner)
- Metal enclosure with wall mount keys (2 tuner)
- High tuner density
- 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
- Multiple transport streams- (one transport stream per tuner)
- Hardware PID filtering

Multicast

- Windows Media Player plugin for Windows:
  - URL or favorites based multicast selection
- VideoLAN VLC for Windows/Mac/Linux:
  - URL or favorites based multicast selection

Connectors

TECH4-2US
- 1 x RF / Antenna in
- 1 x 100baseTX Ethernet
- 1 x Power

TECH5-16US
- 4 x RF / Antenna in
- 4 x 100baseTX Ethernet
- 1 x Power

TECH5-36CC
- 6 x RF / Cable in
- 6 x 100baseTX Ethernet
- 6 x CableCARD™ slots (M-Card)
- 6 x Optional SDV
- 1 x Power

Multicast Digital UDP or RTP Streaming

- Cross platform support
- Static Channel mapping
- Broadcast Signal Diagnostics and Monitoring
- Multicast UDP/RTP compatible boxes

Site-wide multicast streaming

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

Head-end monitoring

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

Digital broadcast diagnostics troubleshooting

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

Customized commercial applications

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

Market Deployments

Educational institutions
We have supported hundreds of schools, school districts, and universities to deliver TV to classrooms and dorm rooms.

Hospitality locations
Including Ace Hotels locations in Los Angeles, NYC, and Palm Springs. High-end boutique hotel with an average occupancy rate of 90%.

Corporate Environments
Investment firms, stock companies and small offices.

Multi-Dwelling Units (MDU)
For use in distribution of signal to multiple dwellings or rooms through the internal network.

Health Clubs and Gyms

Medical Offices and waiting rooms

Other applications include: Television Broadcast Outlets, Head End Diagnostics Remote Site Monitoring, Low Cost Field Technician Solution

SiliconDust
www.SiliconDust.com