

## Distribute broadcast digital TV across your LAN



Welcome to the revolution

**IN DIGITAL MEDIA**



### Key Features

- Highly resilient architecture for delivery of business critical TV services
- Stream all radio and TV channels from up to six DVB-S or DVB-T multiplexes
- Entire UK Freeview service streamed onto building network from single 1u high rack mounted unit
- Compatible with streaming video clients including Windows Media Player and Cisco IPTV.
- TV and radio delivered as IPTV streams compatible with IP set-top-boxes
- Extensive configuration and diagnostic tools accelerate installation and simplify management

### Product Overview

Plug digital terrestrial (DVB-T) and digital satellite (DVB-S) services directly into your LAN and distribute live broadcast TV and radio across your building or campus network. Provide access to live news, entertainment and information channels on any PC or TV attached to the network.

Exterity TV gateways are available as idaptors, stand-alone units with two DVB inputs that can be easily located close to satellite dishes or aerials, or as tridaptors, 1u high 19" rack mounted chassis that will stream TV and radio from up to six DVB multiplexes.

Channels are easily distributed as IPTV compatible streams. Channel streams provided by Exterity TV gateways can be viewed using an AV network receiver, such as the iSocket AV Receiver, or a networked PC using a streaming media client. Channel streams compatible with content distribution systems such as Cisco IPTV.

### Applications

- **Corporate TV:** Deliver live TV and radio to staff desktops or screens around building. Provide live news and information feeds to decision makers, keep staff up to date in common areas, provide entertainment in staff break areas.
- **Education TV:** Provide news, information, entertainment and foreign language TV and radio around campus. Enhance teaching by making channels available to every PC or display on campus. Provide students with TV and radio channel access profiled to their interests, home country and education needs.
- **Hospitality TV:** Implement digital TV head-ends for hotels, hospitals and leisure and event arenas. Provide extensive set of local and foreign language TV and radio to hotel guests in their rooms and hotel common and conference areas. Deliver TV to patient bedsides to improve the health care environment.

### Benefits

- **Simplifies** delivery of digital TV and radio channels across buildings and campuses.
- **Provides** IPTV service access without consuming broadband internet bandwidth.
- **Delivers** channels directly onto high-bandwidth building/campus LAN.
- **Integrates** seamlessly with all Exterity AV networking products.

## Common

### DVB Inputs

- DVB-S input an F-type female connector
- DVB-T input a 75Ω IEC aerial connector

### DVB Channel Streaming

- Up to 40 mega-symbols per DVB input
- Channels packaged as single program transport streams
- Forwarding of EPG, EIT and other network services
- Configurable multicast address and port per transport stream

### Media Streaming Protocols

- RTP/RTSP
- SDP, SAP
- Unicast / Multicast

### iSocket Management

- SNMP, TFTP, HTTP
- Web management interface
- Serial console port

### Environmental

- Operating Temperature  
0 ... +40°C / +32 ... +122°F
- Storage Temperature  
-20 ... +70°C / -4 ... +158°F

### Regulatory

- CE compliant

### Included Software

- iSocket Manager



## idaptor TVgateway

### DVB Inputs

- Two DVB-T or Two DVB-S

### Network Interfaces

- 802.3 10/100BaseT Ethernet

### Resilience

- Chassis temperature monitoring
- Fan fail monitoring

### Power

- External power supply included
- Power Consumption,  
DVB-T: 15W (Typical), 18W (Maximum)  
DVB-S: 27W (Typical), 56W (Maximum)

### Dimensions

- L: 255mm x W: 112mm x H: 45mm
- W: 1.3Kg (excluding power supply)



## tridaptor TVgateway

### DVB Inputs

- Six DVB-S or DVB-T, or
- Two DVB-S and four DVB-T, or
- Four DVB-S and two DVB-T

### Network Interfaces

- Three 802.3 10/100BaseT Ethernet connectors, one for each pair of DVB inputs

### Resilience

- Triple redundant chassis temperature monitoring
- Fan fail monitoring
- Dual redundant cooling fans
- Independent operation and management per DVB input pair
- Optional dual redundant power supply

### Power

- Operating Voltage, 110 – 240 Volts AC, 60 – 60Hz
- Power Consumption  
DVB-T: 55W (Typical), 66W (Maximum)  
DVB-S: 99W (Typical), 183W (Maximum)
- Internal power supply
- IEC power lead

### Dimensions

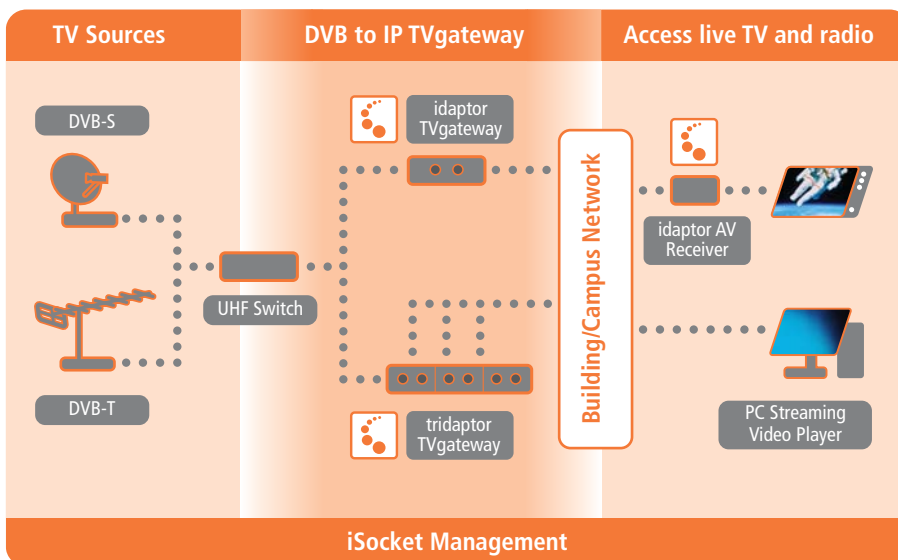
- 1u high, 19" D3 rack compliant
- L: 255mm x W: 437mm x H: 45mm
- W: 5.2Kg



## Powering AV networks

in-socket™ manages the distribution of digital media streams across IP networks.

Represents the AV network using a Dynamic Node and Channel Model (DNCM). It enables integration with emerging AV networking standards and 3rd party protocols.



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