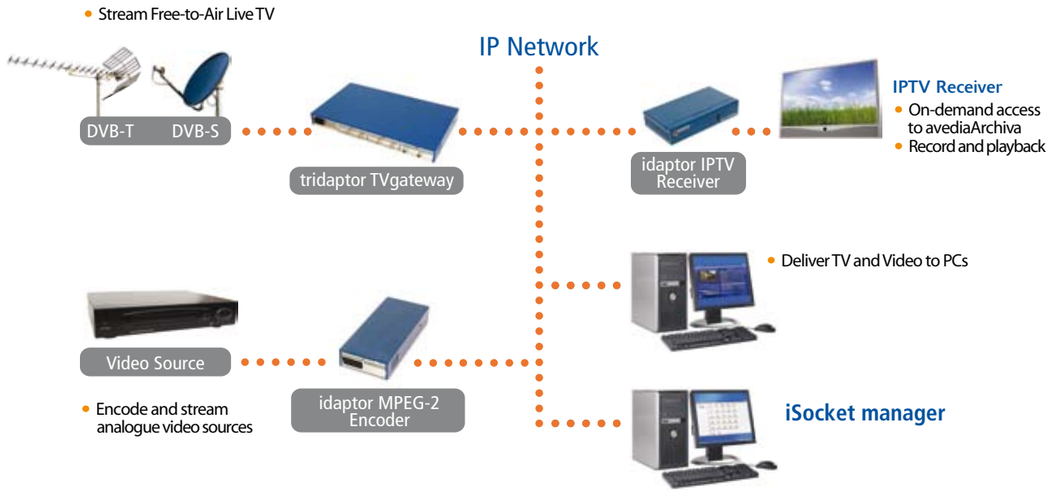

Applications

Corporate

- Deliver relevant corporate andknowledge content over corporate networks direct to employees desks, meeting rooms and public areas.
- Used to provide staff with business critical information, e.g. news channels to trading floors in the City, training and education, and general news and information, e.g. TV in canteens and public areas and general company communications.

Education

- Deliver educational TV and video content to classrooms or to student PCs. Both live and recorded content and foreign language TV from satellite sources.
- Providing news, information and entertainment TV and video to common and public areas on campus.
- Providing TV services to students in on-campus accommodation. This is of particular relevance with many new student accommodation blocks being wired to provide internet access, but not being wired with satellite or aerial feeds to rooms.

Hospitality

- Deliver TV, radio and video around hospitality venues such as stadiums and hotels; includes delivery to patient bedsides in hospitals.
- Provide digital signage solutions that combine advertising and hotel service information with live TV or video on demand.

exterity
DIGITAL SIMPLICITY

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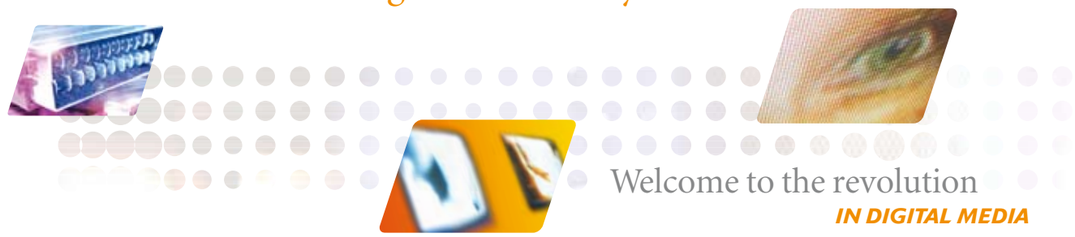
DVB to IP Gateways

FROM EXTERITY

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
- De-scramble encrypted channels using inbuilt CAM Module
- DVB-S2 interface to support streaming of HDTV content from satellite broadcasts
- ASI interface to allow integration with broadcast headend equipment
- Compatible with streaming video clients including Windows Media Player
- 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 terrestial (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. The optional Conditional Access Module (CAM) allows you to de-scramble encrypted channels which greatly increases channel choice. The gateways also have optional interfaces for DVB-S2 support streaming of HDTV broadcasts, and an ASI input to enable integration with broadcast headend equipment.

Exterity TVgateways are available as stand-alone idaptor units with one or two DVB inputs. These can be easily located close to satellite dishes or aerials. Alternatively Exterity TVgateways are available in 1u high rack mountable tridaptor form 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 IPTV network receiver such as the idaptor IPTV receiver, or a networked PC using a streaming media client such as the avediaCentre.

Applications

- Corporate: Deliver live TV and radio to staff desktops or screens around the 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: 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 educational needs.
- Hospitality: 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 healthcare environment.

Benefits

- Simplifies delivery of digital TV and radio channels across buildings and campuses.
- Provides IPTV service access without consuming broadband internet bandwidth.
- Delivers large numbers of channels directly onto building network to give extensive viewer choice.
- Reduces cabling infrastructure

exterity
DIGITAL SIMPLICITY

Technical Specifications

idaptor TVgateway DVB-S/T

Distribute Free to View TV or video over the Network

DVB Inputs
- Two DVB-T or DVB-S

Network Interfaces
- 802.3 10/100BaseT Ethernet

Resilience
- Chassis temperature monitoring
- Fan temperature 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)

idaptor TVgateway DVB with CAM

De-scramble and distribute encrypted TV channels over the Network (requires card from encrypted channel supplier)

DVB Inputs
- One DVB-T or DVB-S

Network Interfaces
- 802.3 10/100BaseT Ethernet

CAM Modules
- Aston CAM, Aston CAMs support CA's from Mediaguard, Viaccess, Irdeto, Conax
- SCM CAM, SCM CAMs support CA's from Mediaguard, Viaccess, Irdeto, Premier BS,

Resiliance
- Chassis temperature monitoring
- Fan temperature 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)

idaptor ASI Gateway

Allows integration with broadcast quaility head end equipment

Inputs
- Single ASI (DVB over ASI)

Multiplexes
- # Muliplexes supported

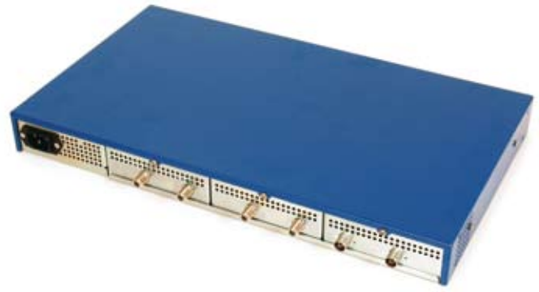
Network Interfaces
- 802.3 10/100BaseT Ethernet

Serial Throughput
- 60Mbps

Resilience
- Chassis temperature monitoring
- Fan temperature monitoring

Power
- External power supply included
- Power Consumption

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



tridaptor TVgateway

Chassis which allows any 3 of the TV Gateway modules to be mounted in a standard 19" rack

DVB Inputs
- Mix and Match any 3 idaptor gateway units

Network Interfaces
- Three 802.3 10/100BaseT Ethernet connectors, one for each idaptor gateway unit.

Resilience
- Triple redundant chassis temperature monitoring
- Fan fail monitoring
- Dual redundant cooling fans
- Independent operation and management per DVB input pair (or single if CAM module)

Power
- Operating voltage, 110—240 Volts AC, 60-60Hz
- Power Consumption
  3 x DVB-T: 55W (Typical), 66W (Maximum)
  3 x DVB-S: 99W (Typical), 183W (Maximum)
  Add S2, CAM, ASI power details
- Internal power supply
- IEC power lead

Dimensions
- 1u high, 19" rack compliant

Common

Control User Interface
DVB scan control
Channel select and optionally remove
Security group management
Stream on boot

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

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

Media Streaming Protocols
RTP/RTSP
SDP, SAP
Unicast/ Multicast

Network Protocols
TCP, UDP, DHCP (client), IGMP

Management
SNMP, TFTP, HTTP
Web management interface
Serial console port
Environmental

Operating temperature
0…+40C/+32…+122F

Storage Temperature
-20…+70C/-4…+158F

Regulatory
CE compliant

Included Software
iSocket Manager