Wall mounted, integrated and stand alone receivers attaching AV displays to your network

Welcome to the revolution in **building IPTV**

Key Features

- Small size allows receivers to be discretely attached to a display, built into the wall or securely mounted under a desk

- Automatic channel learning simplifies installation

- Decode MPEG-2 video from a stream on an IP network to composite, S-video, RGB or component video output

- Channel, audio volume and audio language can be controlled by administrator remotely in addition to via IR

- Central control and configuration using SNMP network management tools or web management interface

- Support for RTSP and HTTP on-demand video and content distribution systems

- Enables the provision of subtitles using DVB subtitling

Product Overview

Connect any television or display directly to your LAN to access high-quality digital TV channels, on-demand video and the option of providing network connection ports to support internet access and IP telephony.

Simply attach any of the idaptor Receivers to the television or display to quickly and easily extend your network to distribute high-quality IPTV content.

Exterity IPTV receivers allow the existing network infrastructure available throughout your building to deliver TV and video, without the need for a separate video cabling system.

The wall-mounted isocket IPTV receiver provides a discrete and secure method for providing access to IPTV content at fixed points, while the compact idaptor IPTV receiver can be used with fixed and portable display equipment. The idaptor TriplePlay receiver provides facilities for an IP telephone and PC internet access in addition to TV and video.

Applications

- **Hospitality TV**: Improve the variety and quality of channels delivered to hotel guest rooms, hospital bedsides and other hospitality environments. Using the idaptor TriplePlay Receiver you can also integrate internet access and IP telephony to every guest room.
- **Corporate TV**: Attach display to any point on corporate network to access corporate broadcasts, training content and other news and information channels.
- **Education TV**: Enhance the student learning environment with access to education content and local and international TV across a campus.
- **Public Information**: Provide entertainment, advertising and information in public areas such as airports and exhibition halls.

Benefits

- **Simplifies** delivery of digital TV, radio, video, telephony and internet access across building or campus networks.
- **Integrates** seamlessly with all Exterity AV networking products as well as many other manufacturers equipment.
- **Reduces** implementation costs by reusing existing TVs and displays.
- **Secures** equipment from tampering or theft.

exterity
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idaptor IPTV Receiver and isocket IPTV Receiver

isocket
IPTV Receiver

idaptor
IPTV Receiver

isocket IPTV Receiver

Physical Format
- Wall socket device
- Installs in wall box with
  dimensions
  L:133mm x W:73mm x H:47mm

Dimensions
- L:145mm x W:96mm x D:44mm
- W:0.35Kg (excluding power supply)

idaptor IPTV Receiver

Physical Format
- Stand alone device

IR Out
- 3.5mm jack

Dimensions
- L:154mm x W:30mm x H:83mm
- W:0.3Kg (excluding power supply)

Video Decoding
- MPEG-2: main-profile,
  main-level, full D1
  Resolution, 25 fps
- MPEG-2 transport
  streams
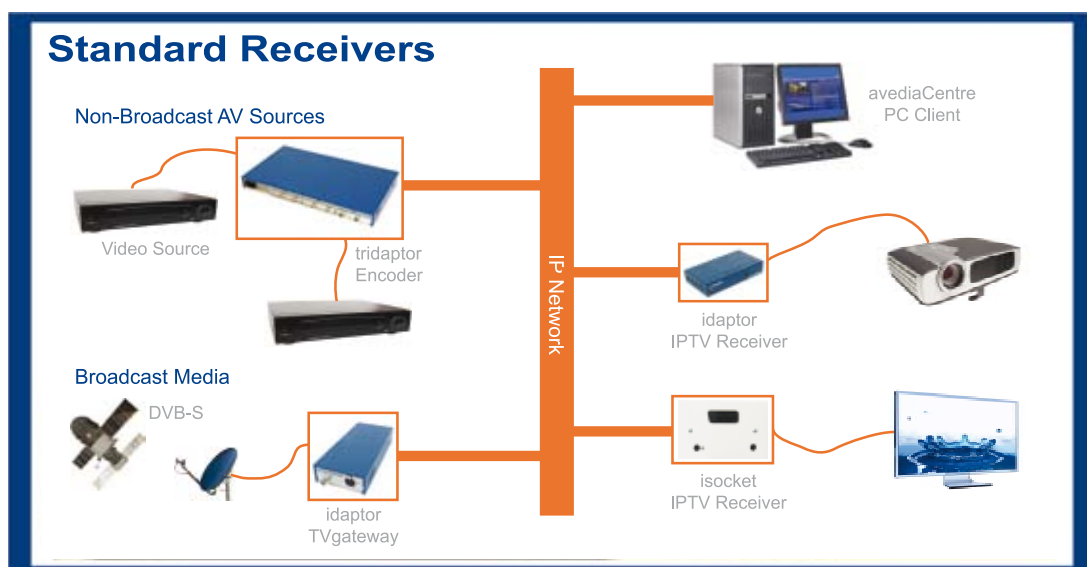- Fixed and variable
  bitrate decoding

AV Output
- SCART socket
- Composite or RGB
- PAL
- 4:3/16:9 aspect ratio
  auto-switch

Network Interfaces
- 802.3 10/100BaseT
  Ethernet
- 802.3af 10/100BaseT
  Ethernet with Power

Power Input
- Operating Voltage:
  External AC/DC PSU +5v
  PoE PSU +48v
- Power Consumption, 3W
  (typical), 5W (max)

Standard Receivers

Non-Broadcast AV Sources

Video Source

tridaptor
Encoder

avediaCentre
PC Client

IP Network

idaptor
IPTV Receiver

Broadcast Media

DVB-S

idaptor
TVgateway

isocket
IPTV Receiver

idaptor TriplePlay Receiver

idaptor TriplePlay
Receiver desktop version

idaptor TriplePlay
Receiver with optional
mounting bracket

AV Output
- Composite, S-Video, RGB or Component
- PAL

Video Decoding
- MPEG-2: main-profile, main-level, full D1 Resolution, 25 fps
- MPEG-2 transport streams
- Fixed and variable bitrate decoding

Network Interfaces
- 1 x 802.3 10/100BaseT Ethernet PoE PD
- 1 x 802.3 10/100BaseT Ethernet PoE PSE (Class 2)
  (PoE out requires device to be PoE powered)
- 1 x 802.3 10/100BaseT Ethernet

Management
- Serial control of attached TV/ display

Dimensions
- L: 97mm x W: 184mm x H: 38mm
- W: 0.60Kg (excluding power supply)

Mounting
- Desktop
- Wall or under desk using optional bracket

Power Input
- Operating Voltage:
  External AC/DC PSU +5v
  PoE PSU +48v
- Power Consumption:
  External AC/DC PSU 5W Max
  PoE PSU 6W Max

POE Power Output
- 7.8W at output

idaptor TriplePlay Receiver

Head-end Equipment
Providing access to TV channels,
streaming VOD, IP Telephone systems
and general internet access

DVB-S

idaptor TVgateway

IP Telephone

avediaServer

IP Network

idaptor TriplePlay Receiver

Video Source

tridaptor Encoder

TV Screen

IP Telephone Manager

PC Internet Access

Internet

Common Features to all Exterity Receivers

IR Input
- Integrated IR receiver or 3.5mm jack
- IR extender (option)
- Tethered remote control (option)

Audio Decoding
- MPEG-1 Layer II (MP2)

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

Streaming Protocols
- MPEG Transport Stream/ UDP
  (Multicast or Unicast)
- MPEG Transport Stream/ RTP
  (Multicast or Unicast)

On Demand Protocols
- RTSP, HTTP

Channel Announcement Protocols
- SDP/SAP

Control User-Interface
- Automatic channel ordering
- Channel selection menu
- Volume and audio language control
- Configurable splash screen graphics

Integrated Web Browser
- ANT® Fresco®

Subtitles
- DVB Subtitles

Management
- SNMP, TFTP, HTTP
- Web management interface
- Serial admin port

Environmental

Operating Temperature
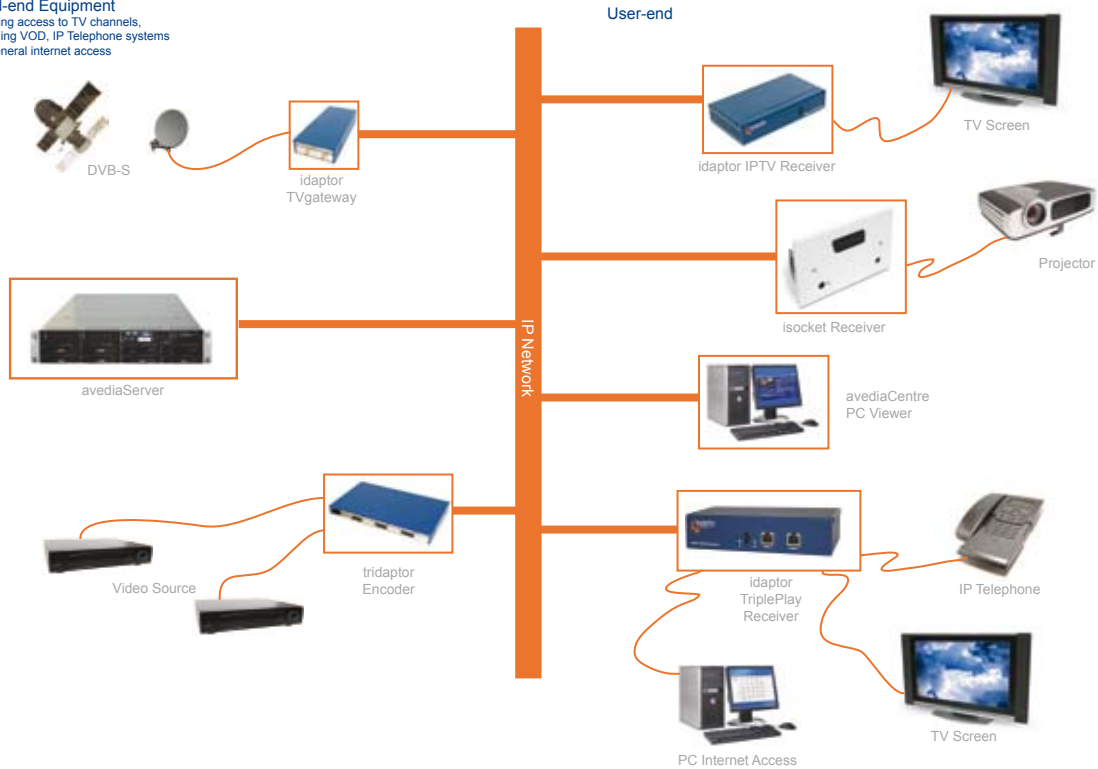- 0 …+40°C / +32 … +122°F

Storage Temperature
- -20 …+70°C / -4 … +158°F

Regulatory
- CE compliant

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The Exterity Network

Head-end Equipment
Providing access to TV channels, streaming VOD, IP Telephone systems and general internet access

User-end

IP Network

DVB-S
idaptor TVgateway
avediaServer
Video Source
tridaptor Encoder

idaptor IPTV Receiver
TV Screen
isocket Receiver
Projector
avediaCentre PC Viewer
idaptor TriplePlay Receiver
IP Telephone
PC Internet Access
TV Screen

Corporate

● Deliver relevant corporate and knowledge 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.

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.

● TriplePlay Receiver allows users access to IPTV, VoIP and internet access from the same set top box.

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.

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