

# AvediaServer

AvediaServer is an integrated IPTV multi-service platform with functional modules for the storage, delivery and management of organisational video.

## User Access

- Portal for multi-platform content delivery via Exterity AvediaPlayer Receivers or PC clients
- EPG for viewing live TV and radio schedules
- Easy interface customisation for branding and corporate identity

## Streaming

- Create organisational TV channels from stored video content
- Easily access stored video files on-demand for training, education or entertainment
- Pause, rewind and fast forward VoD content

## Recording

- Centralised recording: scheduled and continuous-loop options
- Automatically upload content to VOD/FTP/file share on recording completion

## Management

- Multi-user management and monitoring of devices and channels from most popular browsers
- Mass configure Exterity devices and schedule configuration changes (e.g. channel, volume)
- Control user access and interaction with local profiles or with LDAP integration

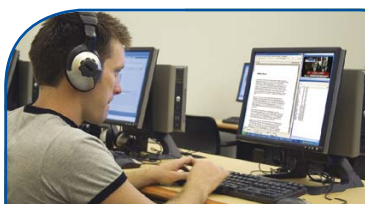
## A Video Platform For Networks

The AvediaServer can be configured with different functional modules and disk capacities to provide a robust video storage and delivery solution.

- AvediaServer Director is a multi-user building IPTV management system providing administrators with the ability to monitor, control and configure an organisational IPTV system via a web interface
- AvediaServer Portal presents channel choices to Exterity IPTV receiver users through a customisable web interface
- AvediaServer Play delivers on-demand and scheduled video channel playout
- AvediaServer Record allows continuous loop and/or scheduled recording

## See More Impact

AvediaServer enables organisations to get the most out of their TV and video assets.



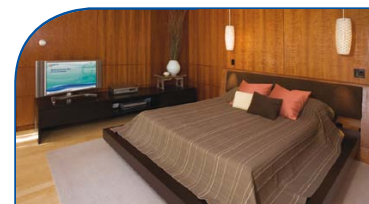
### Education

- ▶ Efficiently manage and distribute video course materials
- ▶ On-demand lectures and seminars
- ▶ Record key TV channels or events for later teaching use
- ▶ Provide students with supplementary course material on-demand



### Corporate

- ▶ Efficiently manage and distribute corporate training material, staff bulletins, and PR updates
- ▶ Record training sessions for later distribution and playback
- ▶ Record and distribute news of interest to employees or critical to their jobs



### Hospitality

- ▶ Increase revenue with a wide selection of on-demand programming delivered to guests via a branded user interface
- ▶ Provide access to global TV and choice of languages
- ▶ Time-shift news and sports of interest to foreign guests for access at a convenient time

### Healthcare

- ▶ Deliver both free and premium TV channels to patient rooms and public areas
- ▶ Supply patient and visitor information and announcements of scheduled events in lobby and other public areas with digital signage
- ▶ Provide patients with on-demand entertainment, health-education programmes and news of interest

### Broadcast

- ▶ Distribute live, global TV and internal video channels
- ▶ Automatically capture global competitive content for analysis by staff and decision-makers
- ▶ Customisable portal can integrate VoD and scheduled channels with live TV, video cameras, and digital signage for more effective use of assets

## AvediaServer Director

### Multi-user Management

The AvediaServer Director allows administrators to efficiently manage, monitor and control all TV and video assets and carry out mass configuration of multiple IPTV devices on the network.

- Improve efficiency and control of your IPTV network with more granular control
- Upgrade multiple devices simultaneously, import or export device settings
- Easily schedule channel change, mute or other settings for Exterity AvediaPlayer receivers
- Web interface provides authenticated multi-user access



## AvediaServer Portal

### Portal User Interface

The AvediaServer Portal lets you offer all IPTV assets on your network— VoD, live TV and radio channels plus interactive information pages—through a consistent interface.

- Customise the look and feel
- Integrate with other applications such as a hotel PMS, and add bespoke content and information pages such as restaurant menus and news
- This customisable portal gives users unified, organisation-branded access to all IPTV assets and sources

### Electronic Program Guide

The EPG creates a unified program guide for both live TV and scheduled playback channels. It can aggregate TV listings from one or more AvediaStream TVgateways and encoders, and customise them with imported XML feeds.

- EPG lets users easily view the schedule of TV and video channels
- Preferred language option under administrator control

## AvediaServer Play

### Video on-Demand

The VoD application enables individuals to select SD and HD on-demand video and audio content. Administrators can easily upload and manage content via a web interface allowing users to request content from a central server for viewing on a display or computer screen. Content can be viewed using Exterity AvediaPlayer Receivers or any compatible third-party equipment. Users have the ability to pause, rewind and fast forward VoD content.

- Use your existing IP network to distribute VoD or scheduled video content
- Up to 125 simultaneous video streams

### Scheduled Play

Create organisational TV channels by scheduling the playout of stored video content. Content playout can be scheduled to a day and time, can be repeated at regular intervals or can be defined by content playlists.

## AvediaServer Record

### Versatile Video Recording

The AvediaServer Record module provides simultaneous recording of multiple HD or SD channels. Channels may be video, audio or a mixture of both. Clips can be easily extracted or recordings can be exported in full for VoD or user download.

- Continuous loop (e.g., for 24/7 monitoring) and scheduled recording
- Range of server platforms with the option of up to 7TB RAID-5 disk storage

# AvediaServer Configurations

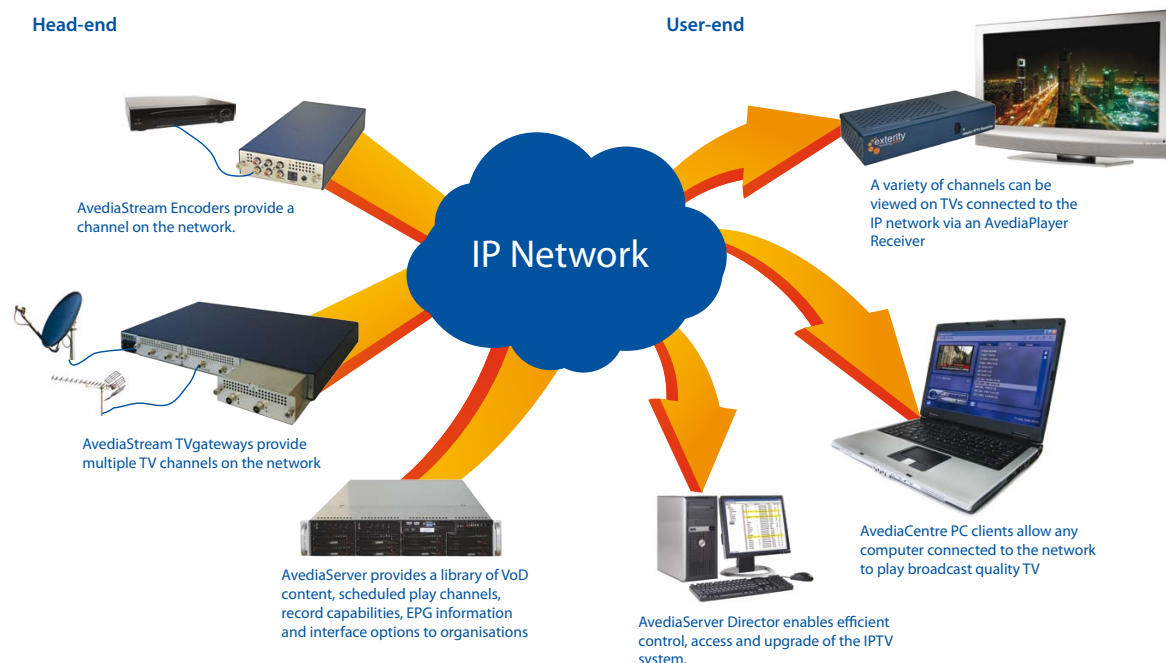
Each AvediaServer module offers a specific combination of applications, providing organisations with a wide range of features and functionality.

Module defines Applications and Throughput								
Module		Applications					Throughput	
Name	Number	Director	Portal	EPG	Play	Record	Streams*	Bitrate (Mbps)
Director	m6005	✓					-	
Portal	m6010	✓	✓	✓			-	
Play 25	m6102	✓	✓	✓	✓		6	25
Play 60	m6110	✓	✓	✓	✓	✓	15	60
Play 200	m6120	✓	✓	✓	✓	✓	50	200
Play 500	m6150	✓	✓	✓	✓		125	500
Record 200	m6220	✓	✓	✓		✓	30	200

**Table 1.** AvediaServer Module Configurations

\*Channel capacity is based on VoD content encoded in MPEG-2 at 4Mbps constant bit rate. Play 60 has a maximum of 2 scheduled channels. Play 200 and 500 have a maximum capacity of 10 scheduled channels.

## Exterity Building IPTV Solutions



Exterity AvediaServer is a head-end (content source) component of an Exterity IPTV solution, which enables users to view TV and video channels on standard TVs, networked PCs and other display devices such as projectors or interactive whiteboards.

Other head-end components, AvediaStream Encoders and TVgateways, can also supply TV and video on the network. User-end components such as AvediaPlayer receivers and Avedia software clients, provide content delivery with highly granular administrative control.

Administrators enjoy centralised control of the entire IPTV system via the multi-user AvediaServer Director module accessed via a browser.

**Better Network ROI**  
 Increase the return on investment of your IP network by using it to deliver video in addition to other IP services. Make better use of bandwidth investments and avoid the capital and operating costs of a separate coaxial TV system.

**United Kingdom Headquarters**  
 t: +44 (0) 1383 828 250  
 f: +44 (0) 1383 824 905

**United Kingdom Sales**  
 t: +44 (0) 1383 828 250  
 f: +44 (0) 1383 824 905

**North America Sales**  
 t: +1 (571) 213 7323

**South Europe Sales**  
 t: +33 (1) 58 04 26 75  
 f: +33 (1) 58 04 23 00

**Middle East Sales**  
 t: +971 4 4204557  
 f: +971 4 3638302

w: [www.exterity.com](http://www.exterity.com)  
 e: [info@exterity.com](mailto:info@exterity.com)

