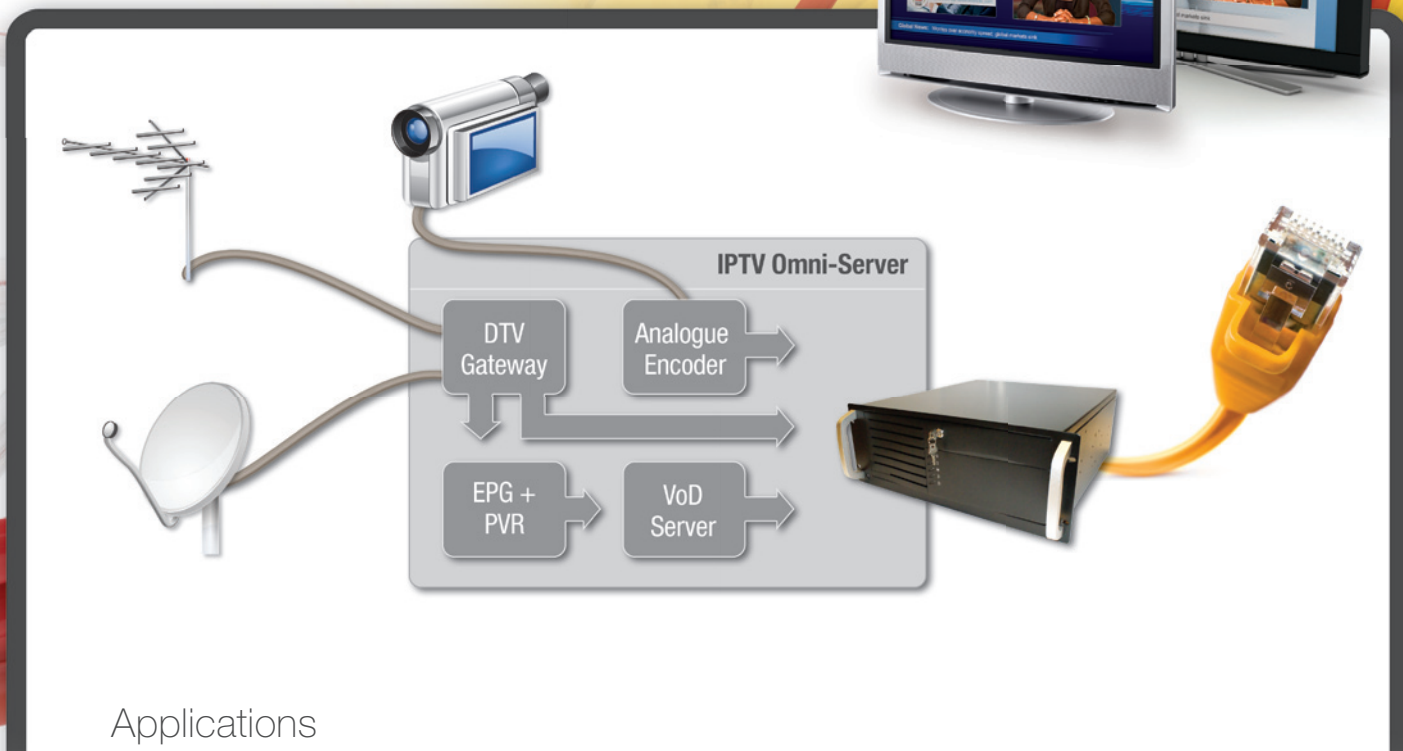


IPTV Omni-Server

ONELAN's IPTV Omni-Server is a single box solution for networked delivery and storage of video content via Ethernet networks.



Applications

Corporate > Deliver business critical information and training

- ◆ direct to employees
- ◆ to meeting rooms
- ◆ Entertain and inform staff and guests in public areas

Education > Enhance the learning experience. Deliver educational TV, live and recorded video content

- ◆ to the classroom
- ◆ direct to student PCs

Hospitality/Waiting areas > Deliver news and entertainment to

- ◆ enhance the guest experience
- ◆ reduce perceived waiting time



IPTV Omni-Server key features include:

- ✓ Flexible combination of DVB-S, DVB-T tuner cards or Analogue Encoder cards
- ✓ Available live TV streams announced using Service Advertising Protocols (SAP) packets
- ✓ Web browser interface – so accessible from anywhere on the network
- ✓ Compatible with ONELAN NTB media Players
- ✓ 2 slot and 6 slot chassis available
- ✓ Transcoding of high quality TV Video to lower bandwidth WMV streams

Product outline

ONELAN's IPTV Omni-Server is a single box solution for networked delivery and storage of video content via Ethernet networks. It provides the following key functions within one appliance:

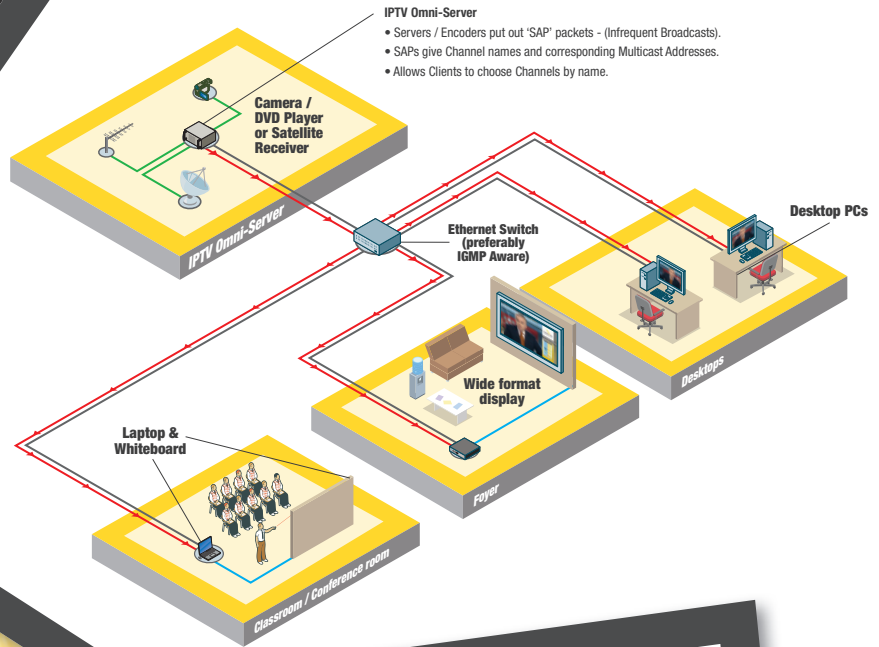
◆ **Digital TV Gateway**

- takes in Digital free-to-air TV broadcasts (DVB-T (FreeView) or DVB-S (FreeSat)) and re-broadcasts a number of TV channels onto a network infrastructure using multicast protocols. Any device on the network can then playback the live TV stream using a desktop PC TV software player or a Digital Signage Media Player such as ONELAN's Net-Top-Boxes.

◆ **Analogue TV Encoder** – takes in an Analogue TV source (e.g. from a Camera or Set-Top-Box), encodes it to an MPEG2 stream and multicasts it onto the network.

◆ **EPG + PVR** – a Web accessible Electronic Program Guide (EPG) that allows a user to choose a TV program (or series of programs) to be transmitted at some time in the future and have them recorded to disk automatically.

◆ **VoD Server** – a repository for TV media recorded by the IPTV Omni-Server itself or media created by the user themselves and placed onto the IPTV Omni-Server. Playback is via LAN protocols using standard PC desktop software player tool.



CVBS, S-Video

LAN / CAT 5

VGA / CAT 5

MPEG/UDP/IP STREAM
 1-8Mbps per TV Channel →

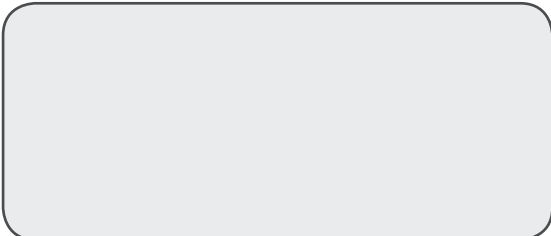
Specifications

| | IPTV Omni-Server (2) | IPTV Omni-Server (6) |
|-----------------------|---|-------------------------------------|
| Tuner / Encoder Slots | 2 | 6 |
| Streaming Protocols | MPEG/UDP/IP/Ethernet Multicast WMV/IP/Ethernet | |
| Storage | 250GB | 500GB Mirrored |
| Dimensions | 320W x 370D x 100H 2U shelf mount | 430W x 480D x 177H 4U Rack Mount |
| Power | 100W | 250W |

ONELAN reserves the right to alter specification and functionality.

Digital TV broadcasts require TV Tuner cards. The number of cards (and thus slots to accommodate them) vary with the number of TV channels required to be simultaneously viewable. Each tuner card can provide 5-10 TV channels but multiple tuner cards may be required to deal with 5-10 TV programmes spread across different broadcast frequencies. Furthermore, each Analogue TV Encoder requires a card slot. Thus the IPTV Omni-Server is made available in a 2 slot or a 6 slot configuration to accommodate different requirements.

To find out more contact our appointed reseller/installer:



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