

## encoders

Distribution of Audio Visual (AV) content has reached completely new levels with the introduction of the Wandsworth Encoder. It enables you to distribute any AV content from a multitude of sources, such as Video recorders, DVD players and Cameras, directly across your own Ethernet network using supported IGMP Multicast protocols.

encoder

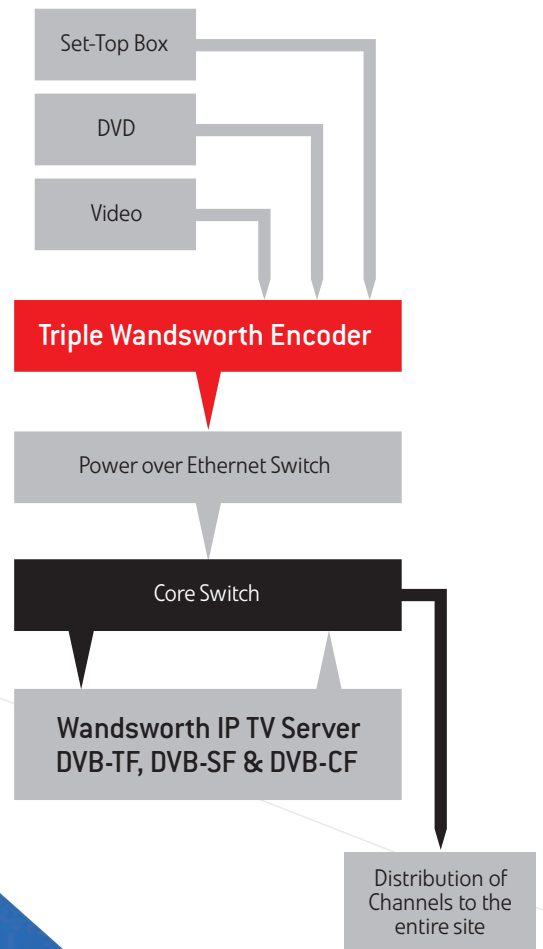
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It is also possible, with consent of the content provider, to use the Wandsworth Encoder to capture an encrypted TV channel by connecting the encoder to a set-top box. All content is protected by using a Wandsworth IP TV Server, models DVB-SF, DVB-TF or DVB-CF which attach a unique encryption to the transmission protecting the content (see separate Wandsworth IP TV data sheet).

There are many applications; Live and Recorded broadcasts, Training and Education, Video Conferencing, Sales Promotions, Lectures, News and Information, Special Offers, Public Information.

Wandsworth Encoders are totally self-contained units; power is received either by using Power over Ethernet (PoE) or by using External Power. They are easily configured and managed with a simple to use graphical user interface (GUI)

Two models are available; you can either have Single Encoder shown left or in a rack-mountable 1u Triple Encoder version to the right.



## features & benefits

### AV Input

- o SCART socket
- o Composite, RGB or s-video
- o PAL or NTSC formats
- o 4:3/16:9 aspect ratio auto-detect Power
- o 802.3af 10/100BaseT Power over Ethernet
- o Optional external power single Encoder
- o Internal power triple Encoder Video Encoding
- o MPEG-2: main-profile, main-level, full D1 resolution
- o Fixed and variable bitrate encoding
- o Transport stream encoding to 14Mbps
- o Elemental stream encoding to 4Mbps

### Audio Decoding Formats

- o MPEG-1, Layer 2 Networking Protocols
- o TCP, UDP, DHCP (client), IGMP Media Streaming Protocols
- o RTSP, RTP/RTCP, SDP, SAP, Unicast, Multicast Appearance
- o Single Encoder  
L:255mm x W:112mm x H:45mm
- o Triple Encoder  
L:255mm x W:437mm x H:45mm

### Specifications

- o Supply Voltage: 48V dc power over Ethernet (POE)
- o Power Consumption: 5-6W Single  
15-18W Triple
- o Working Temperature Range 0°C to +40°C
- o Storage Temperature Range -20°C to +70°C

### Regulations

- o Regulations: CE marked and complying with Electrical Safety and EMC standard

### Part Numbers

- o TP7 SINGLE ENCODER
- o TP8 TRIPLE ENCODER