A compact 1U appliance used to broadcast local HD feeds such as video cameras, digital signage and computer screens, either as a standalone encoder or part of a larger Encoded Media TV Server system.

Capable of automated recording, archiving and uploading of content; can be remotely managed and monitored by a simple to use web browser interface or integrated with room control systems.

**Inputs**
- HDMI (up to 1080p) x 2
- Auxiliary audio line-in

**Output**
- MPEG-TS UDP multicast
- RTSP unicast (up to 150 connections)
- MP4 and WMV recordings

**Recorder (NPVR)**
- Fully automated recording (MP4, WMV)
- 500GB local storage (~150 hours)

**Video on Demand**
- RTSP video on demand server

**Transcoding Engine**
- Live recompression to lower bitrates
- Codec conversion video and audio
- Automatic content uploading

**Middleware Server**
- Drive set-top boxes, PCs and Macs
- Access control

**Management**
- Web based administration interface
- Remote monitoring with IPTV Manager

**Integration**
- IP based control for e.g. Crestron, AMX

**For Enterprise**
- 1U short depth
- DHCP server
- Dual LAN

Dedicated encoder with built-in Network PVR
For delivering live and recorded video across your network
Encoded Media HD Encoder 2/HDMI is a small, self-contained, multipurpose hardware appliance that takes two HDMI sources - for example, a video camera and a laptop or digital signage boxes - and makes them available to others on your network. Its 500GB internal storage allows it to record continuously, via schedule, or through IP room control.

You can watch live and recorded streams anywhere using just a standard web browser. Streams are automatically converted to cater for different audiences, such as tablet and smartphone users.

Example HD Encoder Applications
For Presentations

The HD Encoder 2/HDMI can be used as a standalone presentation capture system that encodes video and slides, streams them across the network, and records them for on demand viewing. The video and slides are recorded independently as high quality H.264 MP4 files up to 1080p and can be uploaded automatically to a NAS or other network storage, where it can be integrated with Encoded Media Video Library.

The built-in transcoding engine will automatically make lower bandwidth versions available for mobile devices, keeping the full resolution versions for later archival or offline editing.
Encode and stream digital signage as channels across your network. Connect the HDMI output of your signage players to the HD Encoder 2/HDMI and create full quality 720p or 1080p HD channels that can be received by lower cost endpoints such as Encoded Media’s IPTV 250m set-top box. The IPTV 250m comes with an infrared remote, allowing easy control of signage channels, volume and power.

Streams can be configured as RTSP unicast or network efficient multicast, allowing you to deliver to an unlimited number of endpoints without impacting network traffic.
Technical Specification

**Input**
- HDMI x 2
- 3.5mm stereo mini jack x 1
- MPEG-2 Transport Stream
- RTSP, UDP, IP multicast
- IP dynamic/static unicast
- IGMP
- SAP
- 100–240 V, 50/60 Hz
- IEC C14 inlet
- 100W, 350BTU/hr

**Output**
- MP2, MP4 and WMV
- 0.1-25 Mbps
- Up to 1080p30
- 16:9/4:3

**Network**
- DHCP or static IP address
- 10/100/1000 Mbps Ethernet

**Dimensions**
- 1U 482 mm x 290 mm x 45 mm (excluding connectors); 4.6 kg

**Management**
- HTTP, SSH, Telnet, EMControl

**Operating temp.**
- 4°C to 40°C

Encoded Media are the UK’s experts in Video and IPTV software. Our products are used daily by FTSE 100 clients in the corporate, financial and legal arenas. Visit encodedmedia.com for more information.