

## Digital Media Decoder

### ➤ 780 HD/SD Digital Media Decoder and IP Television Receiver

Models: 780-HD & 780-HD-PoE  
780-SD & 780-SD-PoE  
780-xGB & 780-xGB-PoE

The MediaStar Evolution 780 range of Digital Media Decoders are a powerful and ultra reliable, solid state "out of the box" solution for your entire IP Television, Digital Signage and Digital media delivery requirements.

The 780 can decode both SD and HD H.264 and MPEG-2 encoded network streams and play out locally stored HD and SD video files from onboard memory, so that a combination of live streamed network video /audio and file based media can be displayed.

The 780 supports SD and HD output resolutions in both Digital (HDMI) and Analogue formats (YPbPr/CVBS). In HD mode both HDMI and YPbPr operate simultaneously allowing a single 780 unit to support two screens.

In addition, the 780 has an onboard rendering engine, providing the ability to display SD TV inputs at HD output resolutions. The unit can also display

PowerPoint presentations (converted to HTML), JPEGs, PNGs and up to the minute webpages with its onboard Firefox browser.

A 780 can operate reliably on it's own in "standalone" mode with configuration and channel setup from a central HTTP server or networked under the control of the MediaStar Evolution Administration software allowing play out of pre-programmed timelines of media content.

Infra red, RS 232 and USB connectivity enable local operation; display control; key board and mouse interaction; IP command pass through and external alarm audio mute. The unit will also email proof of play reports and send SNMP traps if required.

Maintenance free operation, small physical size, low power consumption and software future proofing make the 780 ideally suited for both large scale distributed applications or simple single screen deployments.



## Specifications

### Communications and Control

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| <p><b>Network</b></p> <ul style="list-style-type: none"> <li>• Ethernet 10/100 Base T. RJ-45 modular jack with integrated LEDs.</li> </ul> <p><b>Mode of Operation</b></p> <ul style="list-style-type: none"> <li>• Standalone or in conjunction with the MediaStar Evolution Administration Software.</li> </ul> <p><b>IP Setup and Control</b></p> <ul style="list-style-type: none"> <li>• Configuration via On-Board Browser/ Remote status monitoring information.</li> <li>• IP/RS232 control protocol to operate with 3rd party Touch Panel Controllers.</li> </ul> | <p><b>IR Control</b></p> <ul style="list-style-type: none"> <li>• Channel, volume and setup control via MediaStar Remote Control Unit.</li> <li>• Control through on-board IR receiver or using an IR extender.</li> </ul> <p><b>RS232</b></p> <ul style="list-style-type: none"> <li>• Serial port, up to 115200 baud for screen on/standby/input control.</li> <li>• Software Updates</li> <li>• Latest software can be loaded either through an IP connection to an HTTP server or by inserting a USB key.</li> </ul> |
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### Video Input

- Live Network Streams**
- Multicast/Unicast UDP based AV streams.
  - H.264 and MPEG-2 video/audio contained in an MPEG-2 TS. (480i, 480p, 576i, 576p, 720p, 1080i, 1080p60 formats).
  - Locally Stored Files (on-board memory of 4GB to 128 GB by option)
- Digital Terrestrial and Satellite TV**
- DVB-T2 and DVB-S2 compliant

### Audio

- Audio Decoding**
- MPEG-1/2 Audio Layers I, II
  - MPEG-2/4 AAC LC

### Video Output

- HDMI Digital**
- SD 480i, 480p, 576i, 576p
  - HD 720p (60fps), 1080i (50/60)
- Phono Analogue (YPbPr)**
- HD 720p(60fps), 1080i (50/60)
  - SD CVBS - NTSC, PAL

- Audio Out - Connectors**
- HDMI - Digital Stereo Audio
  - 3.5mm Jack - Analogue Stereo Audio

### Other connections

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|---|--|
| <p><b>USB</b></p> <ul style="list-style-type: none"> <li>• Software updates.</li> <li>• Supports keyboard/mouse interaction to the unit.</li> </ul> <p><b>IR</b></p> <ul style="list-style-type: none"> <li>• Infra-red input for unit setup, channel and volume selection via IR extender and Remote Control.</li> </ul> <p><b>RS232</b></p> <ul style="list-style-type: none"> <li>• Serial port, up to 115200 baud for screen on/standby/input control.</li> </ul> | <p><b>10/100 Base-T</b></p> <ul style="list-style-type: none"> <li>• Network connection for software updates.</li> <li>• Connection to network for browser control.</li> <li>• Receiving live IP streams from the MediaStar IPTV headend.</li> </ul> |
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- Dimensions:** 16.5cm x 9.4cm x 3.1cm 6.5" x 3.7" x 1.2"  
**Weight:** 0.25Kg/0.55lbs  
**Operating Temperature:** 0 - 40°C; 32 - 104°F  
**Operating Platform:** Linux 2.6 Kernel  
**Power Supply:** AC mains adaptor, 5V DC, 2A or 802.3af Power over Ethernet option  
**Power Dissipation:** 7W max  
**Approvals:** FCC Part 15 class A, CE, CB  
**On-Board Browser:** Mozilla Firefox

### Companion Models & Accessories:

- 761 Desktop Viewing Application
- 762 Evolution Administrator Software
- 770 Rack Chassis and Mount Kit
- 772; 775; 778 & 779 MPEG Encoders
- 773; 774; 776 & 777 LAN-Casters

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Vertrieb / Distributor:

**VIDELCO** Europe GmbH – Professionelle Audio-, Video-, Medien-Technik  
 Fon: +49 (0)2102 / 86 39-00 • Fax: +49 (0)2102 / 86 39-17 • info@videlco.eu • www.videlco.eu