

Digital Signage Media Player and IPTV Receiver

780/4GB HD/SD Digital Signage Media Player and HD/SD IPTV Receiver

The MediaStar 780/4GB is a Digital Signage Media Player and IPTV Receiver for delivery of High Definition TV, multimedia, and web pages to any HD ready display screen. The 780/HD provides a powerful and ultra reliable, solid state "out of the box" solution for your entire Digital Signage and IPTV delivery requirements.

The 780/HD delivers the benefits of the latest low bandwidth video compression standard, MPEG-4 AVC/H.264, and offers the user the ability to drive the latest HD screens through both High Definition HDMI and Analogue outputs. In addition, the 780/4GB has an on-board rendering engine, providing the ability to render Standard Definition TV at HD resolution.

Built around a reliable multi-core computing engine running under Linux, the 780/4GB is capable of delivering both live HD and SD MPEG-4 AVC/H.264 and MPEG-2 video streams and locally stored HD and SD MPEG-4 AVC/H.264 and MPEG-2 files from the on-board memory of 4GB. In addition, the 780/HD can show PowerPoint presentations (converted to HTML), JPEGs, PNGs and HTMLs, as well as show up to the minute webpages.

The 780/4GB can operate reliably on its own or can be networked to provide automated content download, and synchronised video playout with other 780/4GB units. Reliable "maintenance free" operation, small physical size, and software future proofing make the 780/4GB ideally suited to both large scale distributed applications to simple single screen deployments.

It can operate in standalone mode or under the control of the MediaStar Administration system. It has Browser/RS232/USB and IR remote control interfaces and is built around an ultra reliable dual-core computing engine running under Linux.

Specifications

Communications and Control

Network
Ethernet 10/100 Base T.
RJ-45 modular jack with integrated LEDs.
Mode of Operation
Standalone or in conjunction with the MediaStar Evolution Administration Software.
IP Setup and Control
Configuration via On-Board Browser.
IP control protocol to operate with 3rd party Touch Panel Controllers.

IR Control
Channel, volume and setup control via MediaStar Remote Control Unit.
Control through on-board IR receiver or using an IR extender.
RS232
Serial port, up to 115200 baud for screen on/off control.
Software Updates
Latest software can be loaded either through an IP connection to an HTTP server or by inserting a USB key.



Video

Live Network Streams Multicast/Unicast UDP based AV streams. MPEG-4 AVC/H.264 and MPEG-2 video/audio contained in an MPEG-2 TS. 480i, 480p, 576i, 576p, 720p, 1080i, 1080p60.	Video Output - Digital HD HDMI - 720p(60fps), 1080i(30fps)
Locally Stored Files (on-board memory of 4GB) Multicast/Unicast UDP based AV streams. MPEG-4 AVC/H.264 and MPEG-2 video/audio contained in an MPEG-2 TS. 480i, 480p, 576i, 576p, 720p, 1080i, 1080p60.	Video Output - Analogue HD YPbPr/RGB - 720p(60fps), 1080i(30fps)
Digital Terrestrial and Satellite TV DVB-T and DVB-S2 compliant	Video Output - Digital SD HDMI - 480i, 480p, 576i, 576p
	Video Output - Analogue SD YPbPr/RGB - 480i, 480p, 576i, 576p CVBS - NTSC, PAL
	Video Out - Connectors 1 x HDMI (SD/HD) 3 x Phono - YPbPr/RGB (SD/HD) 1 x Phono - CVBS (PAL/NTSC)

Audio

Audio Decoding MPEG-1/2 Audio Layers I, II MPEG-2/4 AAC LC	Audio Out - Connectors HDMI - Digital Stereo Audio 3.5mm Jack - Analogue Stereo Audio
--	---

What does each connector do?

3 x Phono (Green/Blue/Red) YPbPr/RGB SD/HD video output	IR Infra-red input for unit setup, channel and volume selection via IR extender and Remote Control.
HDMI SD/HD video output	10/100 Base-T Network connection for software updates. Connection to network for browser control. Receiving live IP streams from the MediaStar IPTV headend.
Digital stereo audio output	RS232 Serial port, up to 115200 baud for screen on/off control.
1 x Phono (Yellow) CVBS output (PAL/NTSC)	
3.5mm Jack socket Analogue stereo audio output	
USB Software updates. Keyboard/mouse interaction to the unit.	

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 °F - 104 °F)
Operating Platform:	Linux 2.6 Kernel
Power Supply:	5V DC, 2A (Power over Ethernet option available)
Power Dissipation:	7W max
Approvals:	FCC Part 15 class A, CE, CB
On-Board Browser:	Mozilla Firefox

Distributor / Vertrieb:

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