

HD IPTV Receiver

780/HD IPTV Receiver

The MediaStar 780/HD is an HD/SD IPTV Receiver for delivery of High Definition TV, multimedia, and web page 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 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/HD has an on-board rendering engine, providing the ability to render Standard Definition TV at HD resolution.

It can decode both HD and SD, MPEG-4 AVC/H.264 and MPEG-2 live encoded network streams so that video and audio can be viewed over an IP network. 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.

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	Video Output - Digital HD
Multicast/Unicast UDP based AV streams.	HDMI - 720p(60fps), 1080i(30fps)
MPEG-4 AVC/H.264 and MPEG-2	Video Output - Analogue HD
video/audio contained in an MPEG-2 TS.	YPbPr/RGB - 720p(60fps),
480i, 480p, 576i, 576p,	1080i(30fps)
720p, 1080i, 1080p60.	Video Output - Digital SD
Digital Terrestrial and Satellite TV	HDMI - 480i, 480p, 576i, 576p
DVB-T and DVB-S2 compliant	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	Audio Out - Connectors
MPEG-1/2 Audio Layers I, II	HDMI - Digital Stereo Audio
MPEG-2/4 AAC LC	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:

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