

MediaStar Evolution

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.

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.

Digital Terrestrial and Satellite TV

DVB-T and DVB-S2 compliant

Video Output - Digital HD

HDMI - 720p(60fps), 1080i(30fps)

Video Output - Analogue HD

YPbPr/RGB - 720p(60fps), 1080i(30fps)

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

HDMI

SD/HD video output

Digital stereo audio output

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.

IR

Infrared input for unit setup, channel and volume selection via IR extender and Remote Control.

10/100 Base-T

Network connection for software updates. Connection to network for browser control. Receiving live IP streams from the MediaStar IPTV headend.

RS232

Serial port, up to 115200 baud for screen on/off control.

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