MediaStar Digital Media Decoder and IP Television Receiver (780-AV)

Key Features for

- Decodes H264 & MPEG-2 streams with syncronised stream playout
- Plays video files from onboard memory with "Trick Play" functionality
- Browser renders HTMLs; JPEGS; PNGS and Web pages
- Dual display support - HDMI and YPbPr outputs
- Fail-Over redundancy and resilience
- Low power consumption - PoE or DC adaptor options
- DVB Subtitles,Tickers, Stereo & Multi language
- Display control via CEC & RS232; Alarm inputs x 2
- IR pass back - for back channel IR support

The 780-AV is a powerful, purpose designed and ultra reliable, solid state Digital Media Decoder with an input rendering engine and support for both digital and analogue output formats, making it suitable for your entire IPTV, Streaming and Digital Signage requirements.

The 780-AV can decode H.264 and MPEG-2 encoded network streams with synchronised video stream playout and also play locally stored video files from onboard memory, so that a combination of live streamed network video /audio and file based media can be displayed.

The 780-AV 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-AV unit to support two screens. In addition, the 780-AV 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-AV can operate reliably on its own in "standalone" mode with configuration and channel setup from a central HTTP server or networked under the control of the MediaStar Media Manager software allowing play out of pre-programmed timelines of media content.

The 780-AV also offers 'super-smooth' ticker functionality. This feature allows users to configure a selection of RSS, Text or Clock type tickers to display up to the minute information and news, with the RSS ticker featuring both header and subject input. Any combination of the three ticker types can be used to create up to 10 tickers per ticker feed. Two ticker feeds are provided.

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.

Available with multiple memory options and in both an HD or cost effective SD version (for later software upgrade) and with its maintenance free operation, small physical size, low power consumption and software future proofing, the 780-AV is ideally suited for both large scale distributed applications or simple single screen deployments. Please see model options below.

Model options: 780-AV, 780-AV-PoE, 780-AV-16, 780-AV-16-PoE, 780-AV-32, 780-AV-32-PoE, 780-AV-64

Specifications

COMMUNICATIONS AND CONTROL

NETWORK

Ethernet 10/100 Base T. RJ-45 modular jack with integrated LEDs.

MODE OF OPERATION

Standalone or controlled by the MediaStar Media Manager Software.

IP SETUP AND CONTROL

Configuration via On-Board Browser/Remote status monitoring information.

IP/RS232 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 optional IR extender module.

IR Pass Back - IR signals can be routed back via the IP network to IR controlled devices at the headend.

RS232

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

SOFTWARE UPDATES

Latest software can be loaded either through an IP connection to an http server or by inserting a USB key

VIDEO OUTPUT

HDMI DIGITAL

CEC Support for screen control

SD 480i, 480p, 576i, 576p

HD 720p (60fps), 1080i (50/60)

PHONO ANALOGUE

(YPbPr) HD 720p(60fps), 1080i (50/60)

(CVBS) - SD - NTSC, PAL

AUDIO

AUDIO DECODING

MPEG-1/2 Audio Layers I, II

MPEG-2/4 HE-AAC LC

Downmix multi channels to stereo

AUDIO OUT - CONNECTORS

HDMI - Digital Stereo Audio

3.5mm Jack - Analogue Stereo Audio

OTHER CONNECTIONS

USB

Sofware updates.

Supports keyboard/mouse interaction with the unit.

VIDELCO
Europe GmbH

ALARM INPUT

3.5mm jack

2 x Contacts (Normally open or normally closed - user selectable)

IR

Infra-red input for unit setup, channel and volume selection via IR extender and Remote Control.

RS232

Serial port, up to 115200 baud for screen on/standby/input 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.

OTHER INFORMATION

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, 90 to 240 VAC to 5V DC, 2A

802.3af Power over Ethernet (PoE models only)

POWER DISSIPATION:

7W max

APPROVALS:

FCC Part 15 class A, CE, CB

ON-BOARD BROWSER:

Mozilla Firefox

What's in the box?

780-AV Unit; Quick Start Guide; HDMI Cable (1.0m)
DC Power adaptor (With Non PoE versions only)