782-AV, 782-AV-DS
MediaStar 4K UHD IPTV and Media Player

MEDIASTAR
BY CABLETIME

The 782 is a powerful and ultra-reliable solid state media player, a full 4K UHD multi-zone digital signage platform and a networked 'Live' stream IPTV decoder. With its on board memory and digital signage content delivery options it is ideal for any deployment

Key Features

- Supports SD, HD and UHD multizone screen formats
- Decodes HEVC, H264, MPEG2 video standards
- Renders HTML5, JPEGS, PNG, GIFs
- DVB TeleText / CC subtitles
- DolbyDigital+ Multilanguage
- Zones can contain Video, RSS text, tickers, realtime clocks
- AES 128 decryption capability
- CEC & RS-232 screen control, IR blaster functionality
- IP to RS-232 pass through, external contact closures (6)

The unit supports many video formats that can be displayed full screen or scaled using the built in hardware decoding engine. A single UHD 4K HEVC or H264 video can be played out, or multiple 1080i H264/MPEG2 videos can be displayed. Video can be stored and accessed locally from flash, a remote RTSP video server or played from 'Live' multicast network streams.

Using HTML5, the full UHD 4K screen resolution can be a configured webpage to simultaneously show different forms of media in different dynamic zones, each of which can contain video playout, RSS text feeds, smooth scrolling tickers, real-time clocks and HTML web pages as well as support for graphics widgets.

The 782 also has a front panel HDMI video and Line/Mic audio input, enabling local inputs to be displayed at full screen or within a selected zone as part of a composite image. This functionality can be used for creating multi-zone signage streams, lecture capture or for broadcasting live presentations.

Infrared, RS-232, HDMI CEC and USB connectivity enable local operation such as display control; keyboard and mouse interaction; IP command pass through for 3rd party control systems and external alarm audio mute.

The unit will also email proof of play reports and send SNMP traps if required. An IR blaster output is available as well as 6 external contact closures for external control functions.

Depending upon implementation requirements, the 782 media player offers two alternative firmware options, 782-AV and 782-AV-DS. The 782-AV can operate networked under the control of the MediaStar Media Manager software suite (Part 462) enabling a system administrator to configure an extensive range of time based and user selected media playout controls.

Alternatively, the 782-AV-DS can be programmed by MediaStar Creator (Part 478) a fully featured content creation program for MediaStar system users to easily design, compile and aggregate their own original branded signage content for display on any number of screens and display points around an organisation.

Available with multiple memory options and with its maintenance free operation, small physical size, low power consumption and software future proofing, the 782 is ideally suited for both large scale distributed applications or simple single screen deployments. Please see model options below.

Model options: 782-AV-16, 782-AV-16-POE, 782-AV-32, 782-AV-32-POE, 782-AV-64 , 782-AV-64-POE, 782-AV-128, 782-AV-128-POE , 782-AV-16-DS, 782-AV-16-POE-DS, 782-AV-32-DS, 782-AV-32-POE-DS, 782-AV-64-DS, 782-AV-64-POE-DS, 782-AV-128-DS, 782-AV-128-POE-DS

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Specifications

COMMUNICATIONS AND CONTROL

NETWORK

Ethernet 10/100/1000 Base T. RJ-45 802.3 modular jack with integrated LEDs

Static or DHCP IP Address

DSCP stream tagging for QoS.

MODE OF OPERATION

Standalone or controlled by the MediaStar Media Manager Software.

IP SETUP AND CONTROL

Full configuration via on-board browser with remote status monitoring information

Initial IP address configuration via DHCP or local IR remote control

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.

RS-232

Rx, Tx, CTS, RTS up to 115,200 Baud Configured for SIPI external configuration/control or IP to RS-232 bidirectional pass through for external device control.

SOFTWARE UPDATES

Fully upgradable ONLY with protected Cabletime software from MediaStar Media Manager HTTP server or by front panel USB Key

VIDEO

HDMI1.4b - DIGITAL OUTPUT

CEC Support for screen control

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

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

UHD 2160p (25/30) (Except 782-AV-DS option)

PHONO - ANALOGUE OUTPUT

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

(CVBS) - SD - NTSC, PAL

HDMI - LOCAL DIGITAL INPUT

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

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

AUDIO

AUDIO DECODING

MPEG-1/2 audio layers I, II

HE-AAC LC

Dolby Digital+

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AUDIO OUT - CONNECTORS

HDMI - PCM Digital multichannel or stereo audio

3.5mm 4 pole Jack - Analogue audio downmixed to stereo, also microphone input

LOCAL AUDIO INPUTS

HDMI – PCM Digital stereo audio

3.5mm 4 pole Jack - Analogue stereo audio, selectable microphone or line input

Line input - 2.2V pk-pk into 10k Ohms

OTHER CONNECTIONS

USB

1 x USB2 port, 1 x USB3 port

For software updates and connection of external storage devices

Supports keyboard/mouse and other peripherals for interaction with the unit.

ALARM INPUT

3.5mm 4 pole jack socket, 2 x Contacts (Normally open or normally closed - user selectable)

Type D 9 way connector, 4 x Contacts (Normally open or normally closed - user selectable)

OTHER INFORMATION

DIMENSIONS:

18.0cm x 12.4 cm x 2.8cm / 7 1/4" x 4 7/8" x 1 1/8"

WEIGHT:

0.42Kg/0.9lb

OPERATING TEMPERATURE:

0 - 40°C; 32 - 104°F

OPERATING PLATFORM:

Linux 3.10 Kernel

POWER SUPPLY:

AC mains adaptor, LPS 100-240VAC, 47-63Hz Output: +5VDC (+/- 5%), 3.0 Amps, with a DC jack plug

(centre positive voltage, 5.5/2.1mm diameter)

Power over Ethernet (PoE models only) 802.3af class 0 device (13 W max), 802.3at class 4 device (25 W max)

POWER DISSIPATION:

12W max

APPROVALS:

FCC Part 15 class A, CE, CB

ON-BOARD BROWSER:

WebKit

What's in the box?

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

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