

m9405 Media Player

Single 4K UHD AV (HDMI) out, 32GB storage



The m9405 Media Player offers superior performance and can store up to three hours of 4K video content, whilst enabling a complete end-to-end 4K IP video solution for delivery of stunning signage.

Video Output

- HDMI v2.0 (with HDCP 1.4 & 2.2):
 - 2160p (24Hz/50Hz/60Hz)
 - 1080p, 1080i, 720p (50Hz/59.94Hz/60Hz)
 - 576p, 576i (50Hz)
 - 480p, 480i (59.94Hz/60Hz)
- HDR Support:
 - HDR10
 - HLG

Audio Output

- HDMI: 2 or 8 Channel PCM or Bitstream

Video Decoding

- H.265 HEVC main and main 10 profiles (ISO/IEC 23008-2). Resolutions up to UHD 2160p60
- MPEG-4 part 10 H.264 (ISO/IEC 14496-10). Resolutions up to Full HD 1080p60
- MPEG-2 (ISO/IEC 13818-2). Resolutions up to Full HD 1080p60

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AAC-LC/HE-AAC
- Downmixes multi-channel audio to stereo
- Dolby Digital and Dolby Digital Plus pass through

Streaming

- MPEG 2 Transport Stream (ISO/IEC 13818-1)
- UDP, RTP
- HLS Live and VoD
- SRT
- IP multicast, IP unicast

Infra-red/Control Options

- Built-in IR receiver
- 3.5mm jack for IR extender or tethered remote control
- TV on /off control using HDMI CEC

Features & Benefits

- Support IPTV streams up to 4K for excellent image quality
- Enable viewers to enjoy live and recorded TV, movies, information and more
- Enhance live TV within digital signage with ArtioSign
- Combine 4K video with smooth 4K 60fps graphics and animations
- Store up to 3 hours of 4K video content
- Quiet, fanless design
- Plug-and-play connectivity with Power over Ethernet
- Stream playback synchronised across multiple media players
- Built-in AV mode finds and displays TV and radio channels within a minute of initial startup

Storage Capacity

- 32GB for video and digital signage content storage

Integrated Web Browser

- Ekioh TV Browser for digital signage and integration with third-party middleware
 - HTML 5, CSS 3 & DOM 3
 - Image formats: PNG, JPEG

Content Protection

- Decryption of HDCPv2.2 protected content

Channel Management

- Channel selection and volume/mute control through either:
 - Avedia Server Smart Control application (ArtioSign playlists)
 - AV mode middleware (TV and radio channels)
- SAP/SDP announcements
- Optional channel import (static channels) in AV mode

Plug and Play

- Built-in AV mode middleware finds and displays TV and radio channels within a minute of initial startup

Accessibility

- DVB subtitles (ETSI EN 300 743)
- Teletext subtitles (ETSI EN 300 468)
- Closed captions (CEA-608 captions embedded in CEA-708 data)

Security

- Management using HTTPS connection
- Firmware upgrade using VITEC-signed upgrades only
- Secure hardware platform

Management

- HTTP/HTTPS device web interface; recommended browser: Chrome®
- Console access via SSH and Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Day-to-day management using the Avedia Server Smart Control app:
 - Reboot
 - Publish signage
 - Set channel
 - Set volume
 - Turn on/off
- Administration using the Avedia Server Site Manager app:
 - Upgrade
 - Set name and location
 - Configuration import/export
 - Advanced RESTful configuration through the Site Manager Command Sender

Network

- Linux IPv4 stack
- DHCP IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet
- IEEE 802.3af PD

System

- Linux-based

Options

- TV and wall mounting brackets
- External AC-DC Power supply for non-POE environments
- IR remote controls and extenders
- ArtioSign® Display digital signage licence

Additional Features

- Accelerated channel change mode (sub 500ms (transcoder required))
- Unit-to-unit sync capability

Protocols

IP (RFC791), UDP (RFC768), TCP (RFC793), ARP (RFC826), DNS (RFC1035), DHCP (RFC2131), ICMP (RFC0792), IGMP v3 (RFC 3376), HTTP (RFC2616), Syslog (RFC3164), NTP (RFC1305), HLS, SSDP, SRT

Environment

- Operating temperature: 0 ...+40°C / +32 ... +122°F
- Storage temperature: -20 ...+70°C / -4 ... +158°F
- Operating Relative Humidity: 5 – 95% (non-condensing)

Physical Attributes

- Dimensions: 45mm (H) x 200mm (L) x 140mm (D)
- Weight: 0.8 kg

Power

- DC Jack (24V): 10W typical, 12W maximum
- POE IEEE 802.3af PD (48V): 10W typical, 12W max

Regulatory

- CE:
 - IEC 62368-1: 2014
 - EN 62368-1:2014+A11:2017
 - EN55032:2012 + corrigenda Aug 2012 & Dec 2012
 - EN55024:2010 + A1:2015
 - EN 61000-3-2:2014
 - EN 61000-3-3:2013
- UL/CSA:
 - UL62368-1:2014
 - CSA C22.2 No. 62368-1, Rev. December 01, 2014
- FCC:
 - 47CFR:2011 Part 15, Sub Part B
 - ANSI C63-4:2014
- ACMA:
 - AS/NZS 62368.1.2014 (ed.2)

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 101276 hours (11.6 years)

ArtioSign

ArtioSign combines 4K video with full HD graphics to produce great looking digital signage content which can be played back on the m9405. ArtioSign provides the following elements which can be used to create digital signage content:

- Streamed & local video (up to 4K 2160p60)
- Images (up to 1920x1080)
- Text (static/multiline/scrolling)
- Point of Sale integration with Oracle® Symphony
- RSS feeds (scrolling)
- PDF/PowerPoint import
- Date/time
- Browser
- Meeting Room
- Weather (up to 5 day forecast)
- Support for two full HD videos/channels in a landscape signage layout. Videos can be up to full HD, and up to 1920x1080 pixels total on-screen area

In the Box

- m9405 Media Player, single 4K UHD AV (HDMI) out, 32 GB storage, PoE (802.3af); includes ArtioView client licence
- Product Safety Brochure (hard copy)

Ordering Information (P/N)

- 18328 - m9405 Single 4K UHD AV (HDMI) out, 32 GB storage

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