

# m9505 Media Player

4K digital signage end-point with local storage



The m9505 Media Player offers superior performance and can store up to 3 hours of 4K video content, whilst enabling a complete end-to-end Avedia IP video solution for delivery of stunning digital signage.

## Video Output

- HDMI v2.0 (with HDCP 1.4):
  - 2160p, 1080p, 720p (50Hz/59.94Hz/60Hz)
  - 576p (50Hz)
  - 480p (59.94Hz/60Hz)

## Audio Output

- HDMI: 2 channel PCM

## Video Decoding

- H.265 HEVC, up to 2160p50 with Main 10 Profile (10-bit colour) or 2160p60 with Main profile (8-bit colour)
- MPEG-4 part 10 H.264 (ISO/IEC 14496-10). Resolutions up to 2160p60
- MPEG-2 (ISO/IEC 13818-2). Resolutions up to Full HD 1080p60

## Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AC3/EAC3
- AAC-LC/HE-AAC

## Streaming

- MPEG-2 Transport Stream (ISO/IEC 13818-1)
- Stream playback synchronised across multiple media players
- UDP
- RTP
- SRT
- HLS VOD (pause, play, fast-forward, rewind, position)
- IP multicast, IP unicast
- IGMPv2

## Infra-red/Control Options

- Built-in IR receiver
- 3.5mm jack for IR extender
- TV on/off control using HDMI CEC
- Third-party IR remote controls supported

## Content Protection

- Decryption of AES-protected content as part of the VITEC Content Protection Solution

## Features & Benefits

- Play back dynamic ArtioSign digital signage content, combining text, graphics and videos to engage audiences
- Support IPTV streams up to 4K for excellent image quality
- Support for the VITEC Content Protection Solution.
- Enable viewers to enjoy live and recorded TV, movies, information and more
- Combine 4K video with full HD graphics and animations
- Store up to 3 hours of 4K video content
- Quiet, fanless design
- Plug-and-play connectivity with Power over Ethernet (PoE)
- Stream playback synchronised across multiple media players
- Built-in AV mode finds and displays TV and radio channels within a minute of initial startup

## Integrated Web Browser

- Chromium-based TV Browser for digital signage and integration with third party middleware:
  - CSS 3 & DOM 3
  - Image formats: PNG, JPEG
- Graphics resolution up to 1920x1080

## 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
- Channel import (static channels) in AV mode
- Channel redundancy & failover to channel

## Plug and Play

- 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

## Accessibility

- DVB subtitles (ETSI EN 300 743)
- Teletext subtitles (ETSI EN 300 706)

## Security

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

## Network

- Linux IPv4 stack
- DHCP IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet
- IEEE 802.3af PD
- IEEE 802.1X network authentication

## Management

- HTTPS web admin interface; Chrome® recommended
- Web interface certificate management
- Installation and Configuration Guide online help and PDF
- Admin menu & console access via SSH and Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Day-to-day management (reboot, publish signage, set channel/volume, turn on/off) using the Avedia Server Smart Control application
- Administration using the Avedia Server Site Manager application:
  - Upgrade
  - Set name and location
  - Configuration import/export
- Advanced RESTful configuration through the Site Manager Command Sender
- Reset button (reboot or factory reset)

## System

- Linux-based

## Miscellaneous

- LED front panel
- Dark mode

## 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

## Environment

- Operating temperature: 0 ...+40°C / +32 ... +104°F
- Storage temperature: -20 ...+70°C / -4 ... +158°F
- Operating Relative Humidity: 5 – 95% (non-condensing)

## Dimensions

- 35mm (H) x 140mm (L) x 95mm (D)

## Weight

- 0.4 kg

## Power

- DC Jack (24V): 5W typical, 9W maximum
- POE IEEE 802.3af PD (48V): 5W typical, 9W max

## Regulatory

- CE/UKCA:
  - IEC 62368-1: 2014
  - EN 62368-1:2014+A11:2017
  - EN55032:2015
  - EN 61000-3-2:2019
  - EN 61000-3-3:2013
  - EN55035:2017 / CISPR 35:2016
- UL/CSA:
  - UL62368-1:2014 (Ed.2)
  - CSA C22.2 No. 62368-1, Rev. December 01, 2014 (Ed.2)
- FCC:
  - 47CFR Part 15, Sub Part B
  - ANSI C63-4:2014
- RCM:
  - AS/NZS 62368:2018

## MTBF

- Calculated to MIL-HDBK-217F, notice 2: 139,548 hours (15.9 years)

## ArtioSign

ArtioSign combines 4K video with full HD graphics to produce great looking digital signage content which can be played back on the m9505. 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)

## In the Box

- m9505 Media Player, single 4K UHD AV (HDMI) out, 32GB storage, PoE (802.3af); includes ArtioView client licence
- Product Safety Brochure (hard copy)

## Ordering Information (P/N)

- 18374 - m9505 - Signage Media Player - single UHD AV (HDMI) out, 32 GB storage