

# m9500 Media Player

4K UHD IPTV End-Point



4K UHD IPTV End-Point which delivers interactive viewing portals and advanced network video decoding. Its fanless design, PoE functionality and low power consumption make it an economical choice for environments where premium video quality is important.

## Video Output

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

## Audio Output

- HDMI: 2 channel PCM

## Video Decoding

- H.265 HEVC, 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
- 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

## Features & Benefits

- Support IPTV streams up to 4K for excellent image quality
- Enable viewers to enjoy live and recorded TV, movies, information and more, all accessed via user interfaces created with ArtioView, our interactive IPTV technology solution
- 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
- ArtioView interactive middleware portal
- AV mode

## Channel Management

- Channel selection and volume/mute control through either:
  - ArtioView portals
  - Avedia Server Smart Control application
  - AV mode (live channel support only)
- 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

## 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

## 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 using the Avedia Server Smart Control application:
  - Reboot
  - Set channel
  - Set volume
  - Turn on/off
- 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

## 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 ... +122°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, 8W maximum
- POE IEEE 802.3af PD (48V): 5W typical, 8W 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: 147,885 hours (16.9 years)

## ArtioView

The m9500 has been designed specifically for use with ArtioView, VITEC's middleware. It enables organisations to deliver a captivating video experience through advanced network video decoding and 4K video capability. It offers the following:

- Live TV channels
- Programme Guide
- Video on Demand
- Channel recording
- Information pages
- View (create layers)
- Room service
- Hotel services

## In the Box

- m9500 Media Player, single 4K UHD AV (HDMI) out, PoE (802.3af); includes ArtioView client licence
- Product Safety Brochure (hard copy)

## Ordering Information (P/N)

- 18373 - 95xx standard