AvediaStream® Media Players

AvediaStream m9500 | avply-m9500

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)
- 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

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
  - AvediaServer Smart Control application
  - AV mode (live channel support only)
- SAP/SDP announcements
- Channel import (static channels) in AV mode

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)

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

- Web admin interface, HTTPS browser access; recommended browser: Chrome®
- Web interface certificate management
- Installation and Configuration Guide online help and PDF
- Console access via SSH and Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Day-to-day management using the AvediaServer Smart Control application:
  - Reboot
  - Set channel
  - Set volume
  - Turn on/off
- Administration using the AvediaServer 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 AvediaStream 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

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