

4K UHD IPTV set top box which delivers advanced network video decoding and digital signage capabilities. Its fanless design and low power consumption makes it an economical choice for enterprise video display and digital signage systems.



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) ; 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

Streaming

- MPEG 2 Transport Stream (ISO/IEC 13818-1)
- UDP
- IP multicast, IP unicast
- IGMPv2/v3

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

Management

- Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Day-to-day management using Smart Control on AvediaServer

Security

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

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
- Power supplies for non-POE environments
- ArtioSign® Display digital signage licence

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), SAP (RFC2974), SDP (RFC4566)

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

- 45mm (H) x 200mm (L) x 140mm (D)

Weight

- 0.8 kg

Power

- DC Jack (24V)
- POE IEEE 802.3af PD (48V)

Regulatory

CE, FCC, ACMA compliant

- CE
 - EN55032:2012 + corrigenda Aug 2012 & Dec 2012
 - EN55024:2010 + A1:2015
 - EN 61000-3-2:2014
 - EN 61000-3-3:2013
 - IEC 60950-1:2005 (Ed. 2.0) + Am 1:2009 +Am 2:2013
 - EN60950-1 2006 + A11:2009, A1:2010, A12:2011, A2:2013
- FCC
 - 47CFR:2011 Part 15, Sub Part B
 - ANSI C63-4:2014
- ACMA
 - EN55032:2012
 - AS/NZS 60335.1:2015

ArtioSign

ArtioSign combines 4K video with full HD graphics to produce great looking digital signage content which can be played back on the AvediaPlayer m9405.

ArtioSign has a number of 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)
- RSS feeds (scrolling)
- PDF/PowerPoint import
- Date/time
- Browser
- Weather (up to 5 day forecast)