



# H200

High performance 4K UHD enterprise device, optimized to deliver high quality content for enterprise video and digital signage applications.

## Overview

More than just a hardware player! The powerful H200 is designed to meet the needs of any signage or enterprise video application from the most simple to the most complex.

The H200 has been engineered from the ground up to provide you with the tools to get your solution up and running quickly. From pre-integrated CMS partner applications, to its simple setup wizard and full repository of user documentation and examples, the H200 is a perfect fit for those who are new to digital signage or are looking for a simple to use solution for their customers.

Similarly, the H200 has been deployed across the world by systems integrators who develop applications for Android or Browser with the extensive JavaScript SDK and management APIs to meet the needs of the most complex and demanding solutions in the industry.

With options for both local management APIs and our fully fledged cloud hosted management solution, 'Orchestrate', you'll have peace of mind that you can manage and monitor your H200s over any IP network.



### Captivating Real-time Video Experiences

Benefit from low-latency streaming capabilities, perfect for live video applications such as sports gaming, ensuring real-time video decoding and delivering a seamless and immersive viewing experience for time-sensitive content.

### Interactive and Engaging Content Experiences

Leverage the built-in browser component and Media Player JavaScript Extensions to execute a wide range of web/HTML5-based applications or install native Android applications, unlocking interactive and engaging content experiences.

### Effortless Management and Support

Utilize Orchestrate Device Management suite of tools, locally or remotely via the cloud, to easily schedule, update and diagnose your signage and enterprise video deployments, streamlining support and ensuring optimal performance.

### Enhanced Control and Flexibility

The H200 provides a suite of local REST-based APIs, empowering developers to integrate and customize device management functionalities from resident native and web applications, enhancing control and flexibility.

### Secure and Reliable Operation

Amino prioritizes security by providing quarterly firmware updates and monitoring for any CVE or security-related issues, ensuring a secure and reliable operation, protecting content integrity and guarding against potential vulnerabilities.



# Key Features

## Device Management

Options for local or remote device management. REST API for private network management and 'Orchestrate', Amino's cloud-based tool for effortless scheduling, updating and diagnosing of signage and enterprise video deployments.

## Channel Zapper

Built-in application for easy access and decoding of video streams, simplifying the user experience.

## Multi-Decode Function

Supports side-by-side broadcasts, picture-in-picture and mosaic displays, enabling creative and dynamic content arrangements.

## Low-Latency Streaming

Real-time video decoding with low-latency capabilities for seamless viewing of fast-paced, time-sensitive content.

## Built-in Browser Component

Enables execution of web/HTML5-based applications, offering interactive and engaging content experiences.

## Robust Secure Design

Tamper-proof and ruggedized chassis for durability and resistance to unauthorized access, ensuring reliable performance in demanding environments.

## Media Player JavaScript Extensions

Facilitates device management and video playback of Amino supported IP streaming formats, enabling customization and tailored user experiences.

## Security and Firmware Updates

Regular firmware updates and monitoring for secure and reliable operation, safeguarding content integrity.

## Optimized Content Delivery

Delivers high-quality images, videos and high quality graphics at reduced bandwidth with AV1 & HEVC 4Kp60 capability, ensuring immersive visual experience without buffering or pixelation.

## Out-of-Sight Operation

Designed for discreet operation with TVI serial interface or IR extender port and integrated mounting brackets (VESA) for easy installation and unobtrusive user experience.

## Ease of Install

Simplify deployment and installation across various environments with zero-touch provisioning through our device management options, a simple setup wizard and Power-over-Ethernet (PoE) capability for single-cable installation.

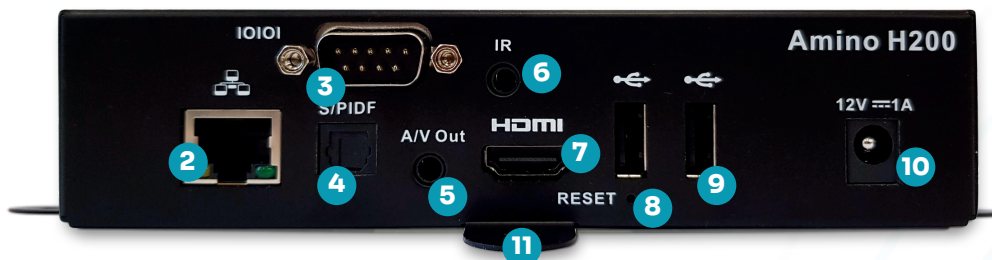
## Command Schedule APIs

Automate device actions by scheduling API commands to execute at predefined times, reducing manual intervention for content and device management.

## Front View



## Back View



## Accessories

- |                          |                |                   |                  |
|--------------------------|----------------|-------------------|------------------|
| 1 IR Receiver Panel      | 5 A/V Out      | 9 2x USB          | 13 Power Supply  |
| 2 Ethernet (PoE)         | 6 IR Extender* | 10 Power 12V/1A   | 14 HDMI Cable    |
| 3 Serial I/O port        | 7 HDMI         | 11 VESA Mount     | 15 IR Extender** |
| 4 Digital Audio (S/PDIF) | 8 Reset button | 12 Remote Control |                  |

\*For out of sight deployments \*\*Optional accessories

# Specifications

## Processing

|       |                |
|-------|----------------|
| CPU   | 21.8K DMIPs    |
| DRAM  | 2 GB RAM       |
| Flash | 8GB eMMC Flash |

## Interfaces

|                        |                                    |
|------------------------|------------------------------------|
| Digital Video          | HDMI 2.1                           |
| Analog Video           | CVBS + L/R Audio                   |
| Ethernet               | 10/100/1000                        |
| USB                    | 2x USB 2.0                         |
| Digital Audio          | Optical S/PDIF                     |
| Serial Port            | RS232/TVI Interface                |
| Remote Control Support | IR 36KHz<br>3.5mm IR Extender Port |
| Status LEDs            | Power/Standby                      |
| Memory                 | Internal SD Card Slot              |

## Software

- JavaScript SDK for web application development
- REST API for Device Management
- Compatible with Orchestrate Cloud Device Management
- Pre-integrated CMS solutions (Contact us for more information)
- Native Application support

## Video & Audio Formats

|                                       |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| Video Resolution and Output Standards | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p60, 2160p60 10-bit (4Kp60) HDR10+ and HLG |
| Audio Codecs                          | LC-ACC & HE-AAC                                                                     |
| Video Codecs                          | AV1, HEVC/H.265, AVC/H.264 (MPEG-4, Part 10), MPEG-2, VP9                           |
| IP Streaming Formats                  | RTSP, MPEG2TS Multicast, HLS, LL-HLS, Dash, LL-Dash, SRT                            |

## Networking & Security

|                      |                                            |
|----------------------|--------------------------------------------|
| Networking Standards | IGMPv2 / IGMPv3 UDP-Multicast, UDP-Unicast |
|----------------------|--------------------------------------------|

## Power

|                          |                           |
|--------------------------|---------------------------|
| Power Supply             | 12V/1A (9W maximum)       |
| Alternative Power Source | Power Over Ethernet (PoE) |

## Operating Environment

|             |                                         |
|-------------|-----------------------------------------|
| Temperature | 5-40°C (40-104°F) operating temperature |
| Humidity    | 30-95% relative humidity                |

## Physical Properties & Mechanics

|                  |                                             |
|------------------|---------------------------------------------|
| Size (L*W*H)     | 158 mm x 121 mm x 38 mm;<br>Mounting: 16 mm |
| Weight           | 500g                                        |
| Mounting Options | VESA mounting brackets                      |

## Regulatory Compliance

|                          |                                       |
|--------------------------|---------------------------------------|
| Environmental and Safety | FCC, CE, CB, UKCA and ROHs compliance |
|--------------------------|---------------------------------------|



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