

# H200 with Orchestra for remote management and control



A high performance 4K UHD enterprise player, optimized to deliver high quality content for enterprise video, digital signage and Pro-AV applications.

## Overview

The Amino H200 is a ruggedised, high-performance 4K UHD enterprise-grade media player. When fully integrated with Orchestra - Amino's powerful cloud-based device management platform - it provides a complete end-to-end solution for delivering, managing and controlling enterprise video, digital signage and IPTV solutions, whether locally or at scale across the globe.

Whether you are deploying a single display or managing thousands of endpoints, the H200 + Orchestra combination enables fast setup, real-time monitoring, rapid troubleshooting and reliable content delivery.

## Why H200 + Orchestra?

### One Complete Solution:

Hardware and cloud management working together for smooth deployment and ongoing operation.

### Faster Deployments:

Zero-touch provisioning, intuitive setup wizard, and PoE for quick single-cable installation.

### Reliable Performance:

Rugged, secure design with regular firmware updates and proactive vulnerability monitoring.

### Flexible Management:

Control devices locally via REST APIs or remotely through Orchestra's web-based interface.

### Interactive & Real-Time:

Built-in browser, Media Player JavaScript Extensions and low-latency video streaming for live events, sports betting and interactive experiences.

### Optimized Content Delivery:

AV1/HEVC 4Kp60 capability for high-quality visuals with reduced bandwidth use.

### Front View



### Back View



### Accessories

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

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



# H200 Key features

## Device Management

- Local REST API for private networks.
- Orchestrate cloud integration for remote scheduling, updating and diagnostics.

## Content & Video

- Low-latency streaming for live and time-sensitive applications.
- Multi-decode: side-by-side, picture-in-picture, and mosaic layouts.
- Built-in browser for HTML5 and WebGL applications.

AV1, HEVC/H.265, AVC/H.264, MPEG-2, VP9 video codecs.

## Hardware & Performance

- 21.8K DMIPs CPU, 2GB RAM (4GB option), 8GB eMMC Flash (32GB option).
- HDMI 2.1 output, S/PDIF, CVBS + L/R Audio, 2x USB 2.0, RS232/TVI.
- VESA mounting brackets, IR extender port, PoE support.
- Operating temperature: 5–40°C, weight 500g.

## Networking & Security

- 10/100/1000 Ethernet, IGMPv2/v3, UDP Multicast/Unicast.

Regular firmware updates and CVE monitoring for secure operation.

# Orchestrate Key Benefits

## Centralized Device Control

Manage devices from anywhere with Orchestrate's intuitive, browser-based interface. Group devices, assign firmware and configurations and launch new deployments quickly.

## Zero-touch Provisioning & Scalable Management

Deploy to single sites or large-scale, geographically dispersed networks with consistent, automated zero-touch provisioning.

## Rapid Troubleshooting

View live on-screen content remotely to validate playback, diagnose issues and take corrective actions such as reboot, factory reset, or log retrieval.

## Brand Protection

Minimize downtime and ensure that your content is always delivered when and where it's needed.

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# Specifications

## Processing

CPU	21.8K DMIPs
DRAM	2GB RAM (4GB option)
Flash	8GB eMMC Flash (32GB option)

## 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 3.5mm IR Extender Port
Status LEDs	Power/Standby
Memory	Internal SD Card Slot

## Software

- Javascript SDK for WebApplication development
- REST API for Device Management
- Compatible with Orchestrate Cloud Device Management
- Pre-integrated CMS solutions (Contact us for more info)
- 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	Dolby Digital, Dolby Digital Plus, LC-ACC & HE-AAC
Video Codecs	AV1, HEVC/H.265, AVC/H.264 (MPEG-4, Part 10), MPEG-2, VP9
IP Streaming Formats	RTSP, HLS, LL-HLS, Dash, LL-Dash, SRT, HTML5 Video-Tag

## Networking & Security

Networking Standards	IGMPv2 / IGMPv3 UDP-Multicast, UDP-Unicast
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## 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; 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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