



H200 Series

Ultra-reliable 4K UHD enterprise devices, optimized to deliver high-quality content to enterprise video, digital signage, and hospitality applications.



Overview

The H200 series encompasses two powerful devices designed to meet the needs of any signage or enterprise video application. The H200 series comprises two robust devices tailored to address the requirements of signage or enterprise video applications. Ranging from the H200, renowned for its simplicity and effectiveness in digital signage applications, to the H200W, which integrates WiFi capabilities for enhanced deployment flexibility and an expanded range of use cases.

Both the H200 and H200W have been engineered from the ground up to provide the tools to get your solution up and running quickly. Our simple setup wizards, cloud management options and pre-certified CMS partner applications provide a quick and intuitive solution for most digital signage applications.

Whether you are new to enterprise video and signage or looking for an advanced, easy-to-use solution for your customers, the H200 series is a perfect fit. Systems integrators worldwide have deployed the H200 series in a variety of applications, taking advantage of the extensive developer's resources that includes a Javascript SDK, built in web browser, channel zapper utility and management API interface as well as a team of dedicated support engineers.

With options for both local management APIs and our fully-fledged cloud-hosted management solution 'Orchestrate,' you can manage and monitor your H200 series devices over any IP network with peace of mind.

H200

Versatile 4K UHD enterprise media player with Power-over-Ethernet, robust security, and comprehensive management features for various enterprise video and signage applications.



H200W

A WiFi enabled 4K UHD media player with BLE 5.2 for greater deployment flexibility and a wider range of enterprise video and signage use cases.



Key features

Device Management

Options for local or remote device management. REST API for media player management on closed or private networks and the Orchestrate SaaS solution allowing remote management and support for connected devices.

Channel Zapper

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

Multi Decode Function

The H200 series offers versatile multi-decode capabilities, supporting side-by-side broadcasts, picture-in-picture, and mosaic displays for live video and signage usage. With support for single 4Kp60, Dual 4Kp30, Quad 1080p60, and multiples of SD decode, you can create dynamic content arrangements tailored to your needs.

Low-Latency Streaming

Real-time video decoding with low-latency capabilities for seamless viewing of fast-paced, time-sensitive content. The low-latency protocols supported include LL-HLS, LL-DASH, Web-RTC and Secure Reliable Transport (SRT).

Robust Secure Design

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

Security and Firmware Updates

We provide regular quarterly security releases to ensure your device's firmware is up-to-date, enhancing security and reliability while safeguarding the integrity of your content.

Built-in Browser Component

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

Web Development SDK

Includes media centric customized browser that supports an extensive set of Javascript APIs and a sample media player application that can be extended to provide a unique interactive viewing experience. The SDK enables use cases that include device management and control as well as video playback of Amino supported streaming formats.

Command Scheduler API

A powerful set of APIs that allow for scheduling of events and activities at the operating system level which provides functionality outside of the set of installed applications and even allows the ability to switch focus between them programmatically.

Optimized Content Delivery

Both H200 and H200W deliver high-quality images, videos, and graphics at reduced bandwidth with their AV1/HEVC 4Kp60 capability, ensuring an immersive visual experience.

Out-of-sight Operation

Designed for discreet operation with TVI serial interface (H200 only) or IR extender port, and integrated mounting brackets (VESA) for easy installation and unobtrusive user experience.

Ease of Install

The series simplifies deployment and installation across various environments with zero-touch provisioning through our device management options, a simple setup wizard, and for the H200, Power-over-Ethernet (PoE) capability for single-cable installation.

Pre-integrated CMS solutions

Our media players support a range of accredited CMS solutions, fully optimized to deliver top performance and comprehensive support, ensuring your content management experience is streamlined and efficient.

Front View



Back View H200



Accessories



1 IR Receiver Panel	5 A/V Out	9 2x USB	13 WiFi Antenna	17 IR Extender **
2 Ethernet (PoE)	6 IR Extender *	10 Power 12V/1A	14 Remote Control	18 Wi-Fi Dongle **
3 Serial I/O port	7 HDMI	11 VESA Mount	15 Power Supply	
4 Digital Audio (S/PDIF)	8 Reset button	12 SD Card Slot	16 HDMI Cable	

*For out of sight deployments **Optional accessories



Specifications

H200

H200W

Processing & Interfaces

CPU	21.8K DMIPS	✓	✓
DRAM		2GB RAM (4GB option)	4 GB RAM
Flash		8GB eMMC Flash (32GB option)	32GB eMMC Flash
Digital Video	HDMI 2.1	✓	✓
Analog Video	CVBS + L/R Audio	✓	✓
Ethernet	10/100/1000	✓	✓
USB	2x USB 2.0 (HID Touch Support)	✓	✓
Digital Audio	Optical S/PDIF	✓	✓
Serial Port	RS232/TVI interface	✓	
Remote Support	IR 36KHz 3.5mm IR Extender Port	✓	✓
Status LEDs	Power/Standby	✓	✓
Memory	SD Card Slot	Internal	Rear Panel (Screw lock cover)
Wi-Fi		Optional external USB2x2 802.11ac Wi-Fi adapter	2 external detachable antenna 2x2 802.11ax
Bluetooth	Bluetooth v5.2		✓

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 802.1x
Environmental and Safety	FCC, CE, CB, UKCA and ROHS compliance

Power & Operating Environment

Power Supply	12V/1A (9W maximum)	✓	✓
Alternative Power	Power Over Ethernet (POE)	✓	
Temperature	5-40°C (40-104°F) operating temperature		
Humidity	30-95% relative humidity		

Physical Properties & Mechanics

Size (L*W*H) in millimeters	158 x 121 x 38 ; mounting: 16	158 x 121 x 38 ; mounting: 16 (without antenna connected)
Weight	500g	540g
Mounting Options	VESA mounting brackets	✓

Software

Javascript SDK for WebApplication development | REST API for Device Management | Native Application support | Compatible with Orchestrate Cloud Device Management | Pre-integrated CMS solutions (Contact us for more info)

For more information visit our website or contact our customer support

✉ www.amino.tv

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