H200

High performance 4K UHD enterprise device, optimized to deliver high quality content to enterprise video, digital signage and hospitality 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 it's 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 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 H200's 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, 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, streamline 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 IP 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.

WebGL
3D WebGL applications are available to render graphics in a web browser.

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

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	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

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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Customer Support

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