



HDANYWHERE

For **Pros** Who Care.

MHUB
PRO 2.0

Designed for uncompromising AV professionals who don't have time to find workarounds or accept compromise.

2020 BROCHURE UPDATE

Audio matrix included

Two matrix systems for the price of one. Route audio from these audio ports to any traditional audio output OR any of the video (HDMI/HDBaset) outputs.

"Full Fat" 18G interfacing

MHUB PRO 2.0 has 18G interfacing throughout the entire system to ensure that it can cope with any future AV advancements.

MHUB PRO 2.0



We dreamt up the dream matrix.

With more flexibility and function than ever before, MHUB PRO 2.0 replaces our flagship MHUB PRO with an entirely new system designed to tackle the modern AV challenges integrators face today.

MHUB PRO 2.0 supports HDMI 2.0 for the latest 18G 4K HDR video content and immersive object-based audio, such as Dolby Atmos & DTS-X. Additionally, on-board are brilliant integration abilities including an internal video scaler, ARC audio from source or display and an independent audio matrix with volume and lip-sync adjustment capabilities.

18G native or over TPC

Your choice. For cinema purists choose native HDMI. For distance and lossless quality choose HDBaseT with Tipping Point Compression.

Stereo or multi-channel audio

Simultaneous audio output in either 2ch downmixed stereo or 5.1 multichannel.



Our most compatible port ever.

SuperPort.

HDCP/EDID problems eradicated. 18G content delivered native, compressed or downscaled to suit. Audio return (ARC) available embedded, downmixed or extracted. No widgets, fixers or additional hardware required; it's all handled by SuperPort.

HDMI 18G Native over HDMI

HDBT 18G over HDBaseT 2.0 w/TPC

1080p 4K Auto Downscaling (4K > 1080p)

ARC Audio Return Channel (ARC) Input

→ Audio Source Embedding over HDMI or HDBaseT



What is TPC?

Tipping Point Compression (TPC) makes the transmission of high bandwidth, 4K HDR, content over HDBaseT possible.

Our systems use two compression methods: DSC & CSC. Side-by-side viewing comparison tests of TPC vs original content, overwhelmingly concluded in results imperceptible to the human eye.

To find out more visit: support.hdanywhere.com

+ Audio + Video + Control.

One system. One app. MHUB + uControl delivers unified room-to-room entertainment.



Centralised devices in the rack.

There are two video and audio sources connected to MHUB and a further two audio distribution devices; an AVR connected to the Media Room and MHUB AUDIO (6x4), driving speakers in the Master Bedroom and En suite.



Living room: 18G/TPC + LAN for a smart display.

The display is connected by HDBaseT using TPC to provide a theoretical max 18G picture. Smart services are enabled by the 10/100 port on the display receiver for faster-than-WiFi speeds and enhanced network stability.



Media Room: 18G/native with 5.1 audio from AVR.

This room contains a 5.1 speaker arrangement supplied by the centrally located AVR. Connectivity between MHUB, AVR and display is entirely over HDMI to ensure an uncompressed signal is delivered for the very best AV quality possible.



Kids Room: Catering for a 1080p display.

MHUB automatically downscales video to 1080p even if the source is currently outputting 4K. An Amazon Echo (Alexa) device is being used to control source, switching, display and volume commands.



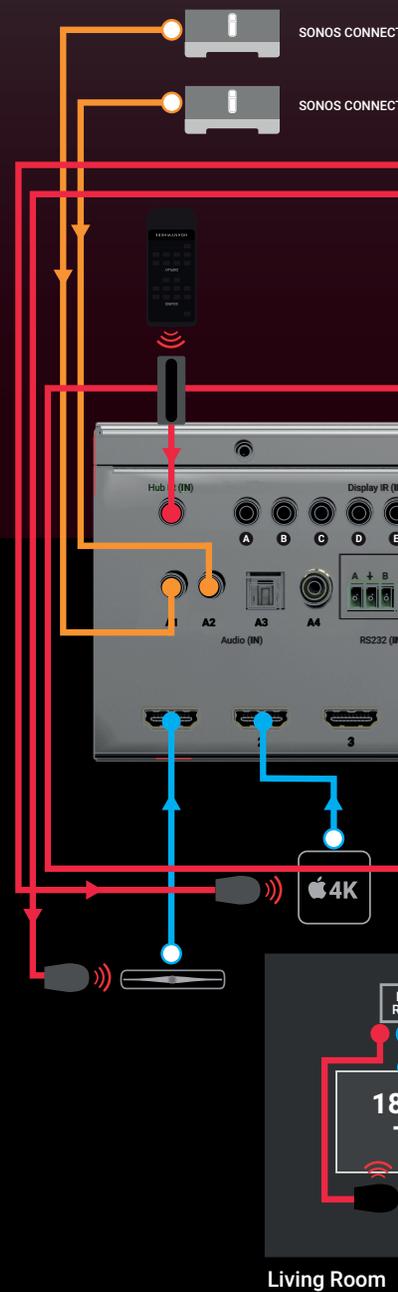
Master Bedroom: ARC to ceiling speakers.

Both video & audio outputs from MHUB are present here. The display is using its own internal [Netflix] app. The audio from Netflix is extracted using ARC and returned to MHUB. This audio is then routed to MHUB AUDIO (6x4) and onwards to the speakers.



En suite: listen to music or any audio from MHUB.

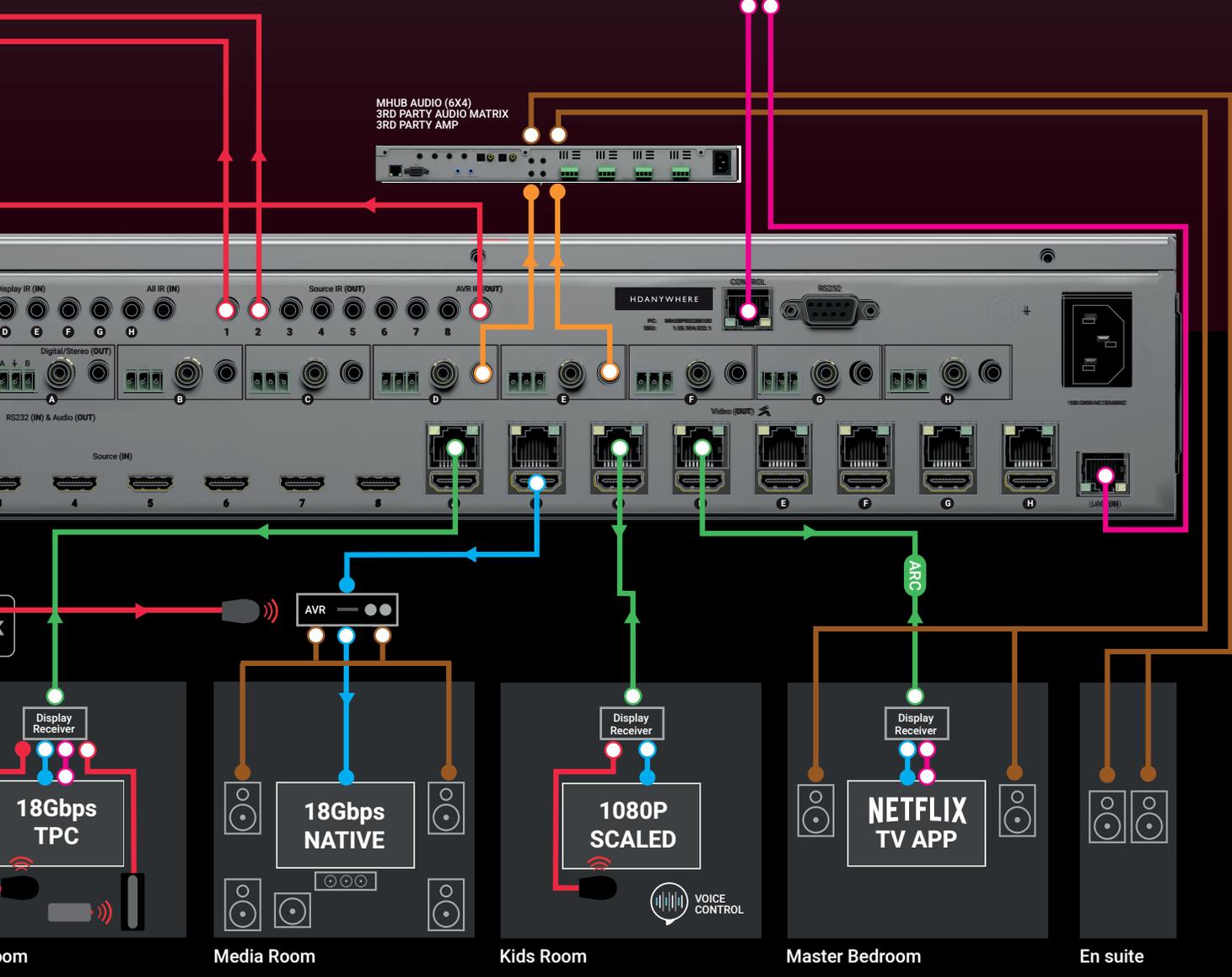
Any audio (even video audio) can be routed to this location. Additionally, it is possible to take the audio from SONOS Connect and embed it over any video output stream so music can be enjoyed in any room.



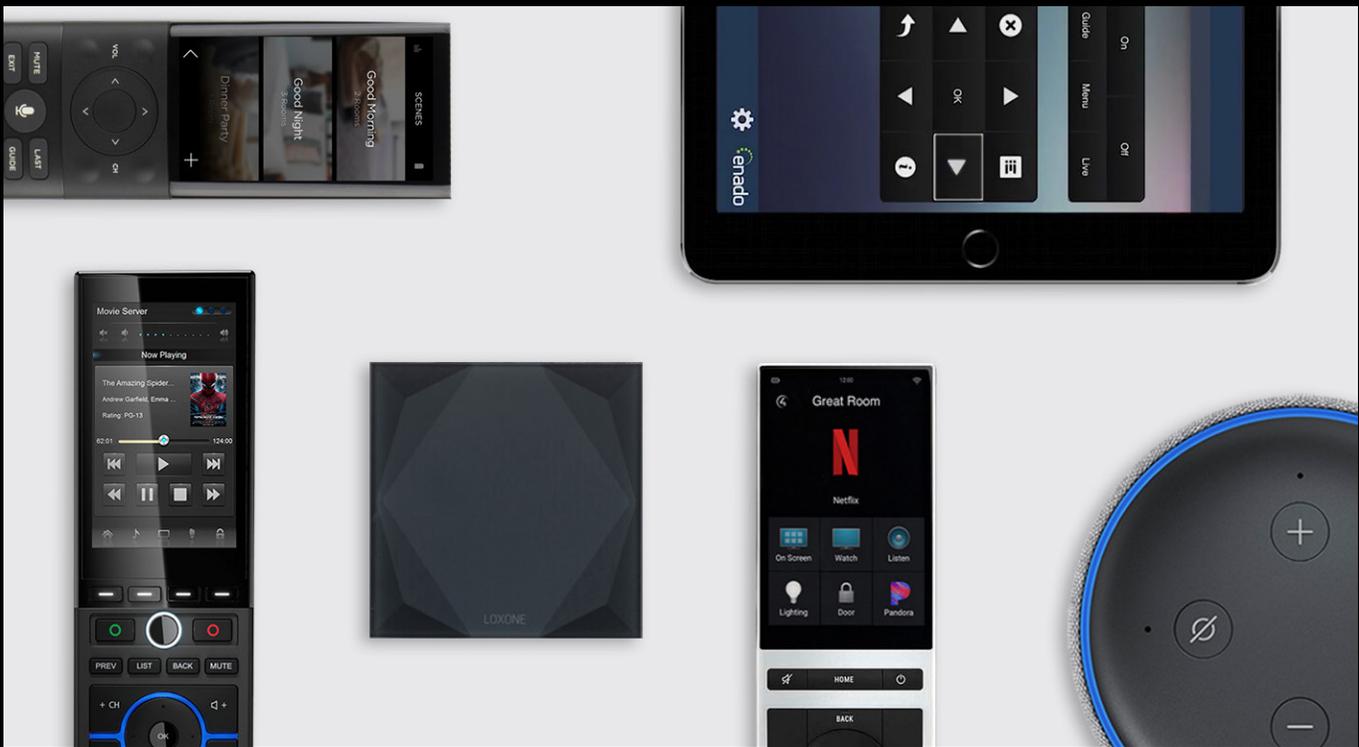
CONNECT

CONNECT

Control4 LOXONE
 enado RTI
 U.C. Control the Equipment CRESTRON
 + MORE SUPPORT.HDANYWHERE.COM



- IR (TX / RX)
- LAN CABLE
- VIDEO: HDMI
- VIDEO: HDBASET
- AUDIO: SPEAKER CABLE
- AUDIO: 3.5M STEREO CABLE
- INPUT
- OUTPUT



Integration.

MHUB works with all major control systems available on the market and boasts the ability to integrate with practically any control system via its modern, feature-rich API. HDANYWHERE remains committed to providing the easiest integration for professionals leading to the development of unique 'Expanded IO' drivers which give the integrator, via their chosen control system, addressable control of the IR/IP/CEC/Serial communication ports on board MHUB - meaning no additional, dedicated, control hardware required.

| Control system | Current Ability | Expanded IO |
|-------------------------------|---|-----------------------------|
| Control4 | Unit discovery, IP healing, switching, state, 2-way feedback, Expanded IO (display/AVR/source control), volume step/slide, power. | Expand I/O ADVANCED DRIVER |
| CRESTRON | All features (using HDA API 2.1) | Expand I/O ADVANCED DRIVER |
| SAVANT | Switching, power | No support |
| enado | Unit discovery, switching, Expanded IO (display/AVR/source control), power. | Expand I/O ADVANCED DRIVER |
| LOXONE | Switching, state reporting, 2-way feedback, volume step/slide, power. | |
| RTI | Unit discovery, IP healing, switching, state, 2-way feedback, Expanded IO (display/AVR/source control), volume step/slide, power. | Expand I/O ADVANCED DRIVER |
| U-C Control The Experience | Switching, power | |
| ELAN | Switching, power | |
| Neets | Switching, power | |



Made⁴ MHUB.

Four reasons why Control4 dealers prefer MHUB.

Our free control drivers, made especially for Control4 and MHUB, take advantage of HDA API 2.1 to offer custom integrators an unparalleled number of features designed to make installations easier to manage, cheaper to commission and require less hardware to achieve the same result. Our drivers do much more than just switch.

1



Send IR from C4 to MHUB IR ports (including receivers).

MHUB acts as an IO expander for Control4. Route IR commands from within Control4's database in Composer directly to any IR TX ports on the MHUB system.

2



Route ARC audio on-demand.

Free the audio from TV apps like Netflix, Amazon Prime, Disney+ etc using MHUB's powerful ARC support. Access ARC from the display and route that audio to any speaker in your project on-demand.

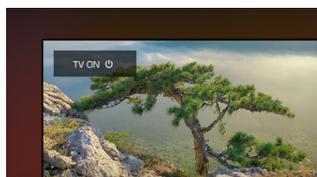
3



Two-way communication.

MHUB communicates with Control4 in both directions unlike most other matrix systems. Make better (more informed) automations and never lose your matrix with built-in self-discovery.

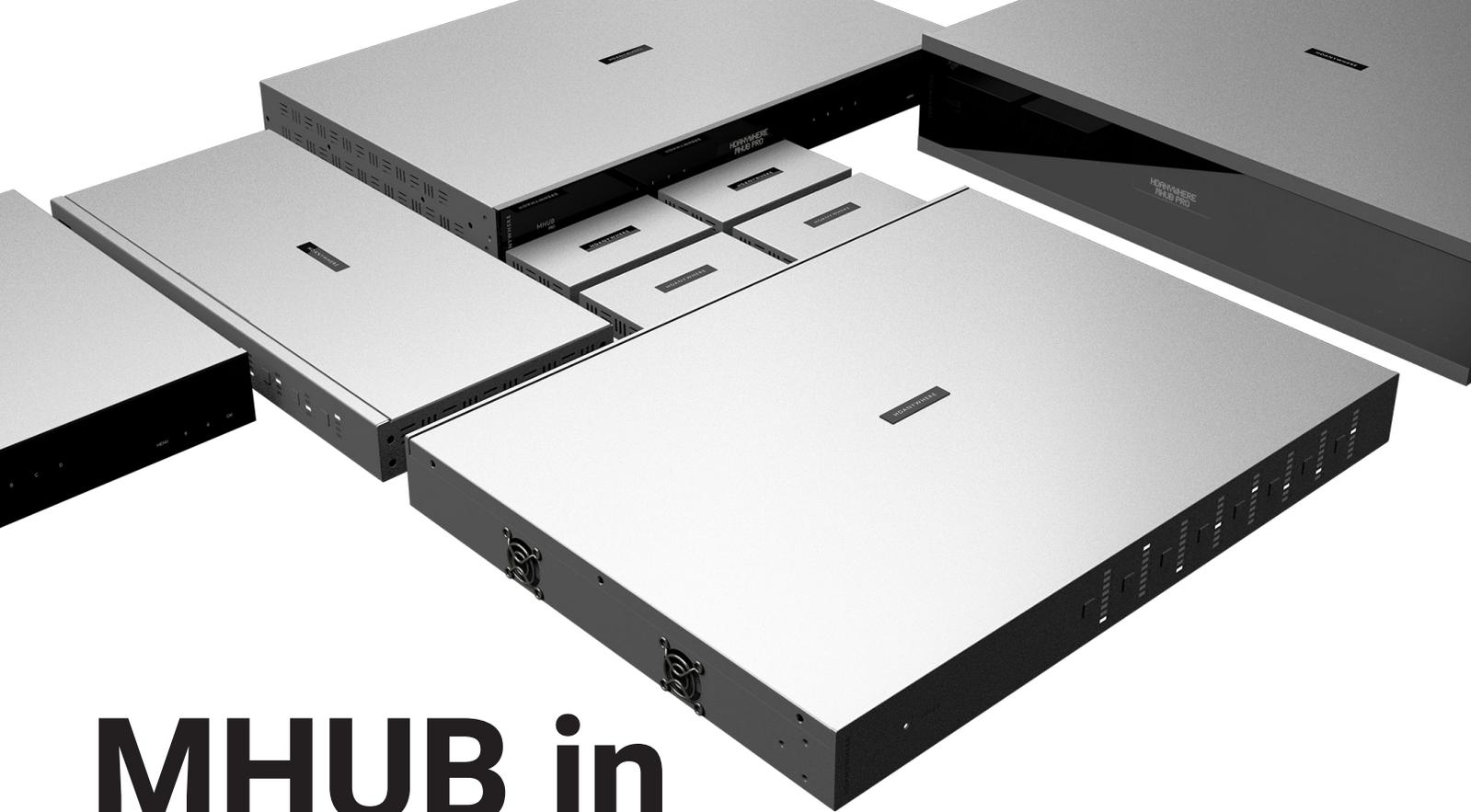
4



HDMI-CEC eliminates unsightly IR.*

Command the display to turn on/off or auto-switch to the correct input using CEC control over the HDMI connection.

*Display must support standardised HDMI CEC commands. Control4® and the Control4 logo are registered trademarks of Control4 Corporation. HD Connectivity Ltd T/A HDANYWHERE disclaims proprietary interest in the marks and names of others.



MHUB in numbers.

6178 MHUB systems registered on HDA Cloud

10,000+ uControl app downloads for iOS & Android

5523 uControl Control Pack downloads

22 Remote management commands sent daily

254 Globally active installers (HDA Pros)

50+ Hours of training content on learning.hdanywhere.com

12 Industry Awards + 1 CEDIA Award (and counting)

Source: HDA Cloud data (<https://cloud.hdanywhere.com>) 2019 and iOS App & Android Play Store analytics 2019.



From anywhere:

- Powercycle unit
- Reboot software
- System remote control
- Install uControl packs
- Check for updates
- Capture LAN settings
- Read change logs
- Check uptime



Your client's MHUB



Free RMS.

All MHUB systems communicate with HDA Cloud, our global service and information platform. This ability makes it possible for HDANYWHERE to offer remote system monitoring and management giving installers access to secure data from all their MHUB locations, their operational status and even the ability to make changes to MHUB configuration without being on site.

Become a HDA Pro.

Let's grow together.

Grow your business with HDANYWHERE by becoming an official HDA Pro. All HDA Pros receive professional pricing, perks, training and access to marketing materials specially designed to give your business the competitive edge it needs.



We forward business leads to you.

Every HDA Pro who installs MHUB can add their profile to our dealer network. Our network is globally searchable and will generate leads for your business. Find your business:
<https://hdanywhere.com/dealers-and-installers/>



Exclusive access to over 50 hours of training.

HDA Pros gain access to our e-Learning platform. Our courses span from beginner level (HDMI fundamentals) all the way to advanced configuration techniques, hacking MHUB and marketing courses.



Free remote management & monitoring services.

All MHUB systems come cloud-connected as standard. As a HDA Pro, you can gain access to the operational data and even remote control of the MHUB systems you install*.



Branding & merchandise.

Access all our video, image and logo assets as well as exclusive HDA Pro branded clothing and merchandise to help you sell HDANYWHERE as best as possible.



*Remote monitoring is available on all MHUB systems. MHUB PRO, PRO 2.0 & AUDIO all support monitoring + management capabilities.



Specs.



MHUB PRO 2.0 (4x4) 40

Product code: **MHUBPRO24440**

MHUB PRO 2.0 (8x8) 100

Product code: **MHUBPRO288100**

| | | |
|--------------------------------|--|---|
| HDMI version | HDMI 2.0 | |
| HDCP compliance | HDCP 2.2 & HDCP 1.4 | |
| Video bandwidth | 18Gbps | |
| Video resolution | Up to 4K@60Hz (4:4:4) with HDR | |
| Colour space | RGB, YCbCr 4:4:4, YUV 4:4:4, YCbCr 4:2:2/4:2:0 | |
| Colour depth | 8-bit, 10-bit, 12-bit (1080p@60Hz), 8-bit (4K@60Hz) | |
| HDR formats | HDR10, HDR10+, Dolby Vision, HLG | |
| Video & audio IO | Inputs: x4 HDMI, x2 3.5mm Stereo Jack, x1S/PDIF, x1 RCA Outputs: x4 HDBaseT, x4 HDMI (Mirror), x4 3.5mm Stereo Jack, x4 Digital Coax | Inputs: x8 HDMI, x2 3.5mm Stereo Jack, x1S/PDIF, x1 Coax Outputs: x8 HDBaseT, x8 HDMI (Mirror), x8 3.5mm Stereo Jack, x8 Digital Coax |
| Video downscaling (4K > 1080p) | x4 HDBaseT x4 HDMI (Mirror) | x8 HDBaseT x8 HDMI (Mirror) |
| Transmission distance | 1080p 70m / 4K 40m | 1080p 100m / 4K 100m |
| HDMI audio formats | PCM 2.0 / 5.1 / 7.1, Dolby Digital / Plus / EX, Dolby True HD, DTS, DTS-EX, DTS-96 / 24, DTS High Res, DTS-HD Master Audio, DSD | |
| Coax audio formats | PCM 2.0, Dolby Digital, DTS | |
| Stereo audio formats | PCM 2.0 44.1 / 48 / 88.2 / 96 / 176.4 / 192KHz, 16 / 20 / 24bit | |
| Audio Return Channel (ARC) | x4 HDBaseT x4 HDMI (Mirror) | x8 HDBaseT x8 HDMI (Mirror) |
| Audio downmixing | Simultaneous multi-channel (5.1) & PCM 2.0 | |
| Infrared | 20Khz - 60Khz | |
| Ethernet (10/100) | ✘ | ✔ (Display Receiver) |
| CEC display control | ✔ | |
| Remote Management (RMS) | Software check / validation, system remote control (switch, volume, EDID, uControl config), system change logs, LAN reporting & remote reboot / power cycle. | |
| Built-in control | App (uControl) iOS & Android, Voice (Amazon Alexa: Smarthome Skill) | |
| Software features | IP2IR, Sequences (macros), pin lock, diagnostics, custom LCD messaging | |
| API | HDA API 2.1 | |
| ESD protection | ±8kV (Air-gap discharge) ±4kV (Contact discharge) | |
| Power consumption | 68W (Maximum) | 130W (Maximum) |
| Power supply | Chassis: 100-240V AC 50/60Hz Display Receiver: 24V PoH (Power over HDBaseT) | |
| Operating/storage temperature | 0°C - 40°C / 32°F - 104°F / -20°C - 60°C / -4°F - 140°F | |
| Relative humidity | 20 - 90% (Non-condensing) | |
| Housing | Aluminium Enclosure | |
| Colour | Grey (Carbonite) | |
| Dimensions (W/D/H) mm | Chassis: 440 x 284 x 45 Display Receiver: 162.8 x 90 x 18 | Chassis: 440 x 372.5 x 88 Display Receiver: 162.8 x 90 x 18 |
| Weight | Chassis: 2400g Display Receiver: 187g | Chassis: 4200g Display Receiver: 187g |

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