DA2HDMI-4K-Plus

HDMI Distribution Amplifier with HDCP

Part No 9132 0007

DA2HDMI-4K-Plus is a multifunctional distribution amplifier with built-in EDID Management and Pixel Accurate Reclocking, supporting DVI and HDMI 1.4 signals with or without HDCP encryption. The output signal is reclocked and stabilized using Lightware Pixel Accurate Reclocking technology to remove jitter caused by long cables or poor quality sources.

DA2HDMI-4K-Plus features Advanced EDID Management and can emulate any HDMI display for continuous video output, even if the attached display is disconnected or powered down. HDCP enable/disable function turns off the unit's HDCP capability, which helps integrate certain laptops into a non-HDCP AV environment. The EDID memories from 1 to 55 are factory preset, the memories from 62 to 98 are user programmable. EDID memories from 56 to 61 are for universal EDID presets. Memory 0 is transparent for output 1, memory 99 is transparent for output 2, so using these settings the EDID of the last attached display devices (monitor or projector) will be reported to the source. With the Easy EDID Creator (PC software wizard) the users can create their own EDID by completing four simple steps. Experienced users can use the Advanced EDID Editor software to manage every possible setting in the EDID, which can be uploaded to the user programable memory of the DA2HDMI-4K-Plus.

DA2HDMI-4K-Plus can be rack-mounted or used standalone. The unit is equipped with the highest grade gold plated connectors to ensure reliable connection.

Applications
- Rental and staging
- Military
- Medical
- Digital Signage
- Multiroom video
- Conference rooms, collaborative telepresence

Features:
- 4K / UHD (30Hz RGB 4:4:4, 60Hz YCbCr 4:2:0) and 3D capabilities
- Keeps source's HDMI or DVI output continuously active
- HDCP enable/disable function
- Signal detection, source detection and monitor detection LEDs
- USB control
- Cable loss compensation at Input
- Built-in Advanced EDID Management
- Pixel Accurate Reclocking
- HDCP compliant
- Built-in Video Testpattern Generator
- Deep color support
- Daisy chain support

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Specifications

Data rate per TMDS channel:	3 Gbps
Max resolution:	3840 x 2400 or 4096 x 2160
Reclocking:	Yes
HDCP pass through:	Yes
Input cable equalization:	Automatic max 20m @4k30, or 30m @1080p60
Digital audio formats	Pass through. Supports up to 8 channel PCM, Dolby TrueHD and DTS-HD Master Audio 7.1 formats
Front panel control:	Yes, EDID learn button, EDID selector switch
LED indicators:	Live, Video Input Status, Audio Signal Format, Video Output Status
EDID emulation:	Yes, Advanced EDID management with 100 EDID memories
EDID memory:	55 factory preset , 6 universal, 2 transparent, 37 user programmable
EDID support:	256 byte Extended EDID
+5V Power on HDMI Outputs:	500 mA
Power:	Universal power adaptor, DC 5V 2.5A (max)
Power consumption:	1,8 W (max)
Enclosure:	1 mm metal
Dimensions:	100,4 W x 67,6 D x 26 H mm
Net weight:	250 g
Warranty:	3 years

Connectors

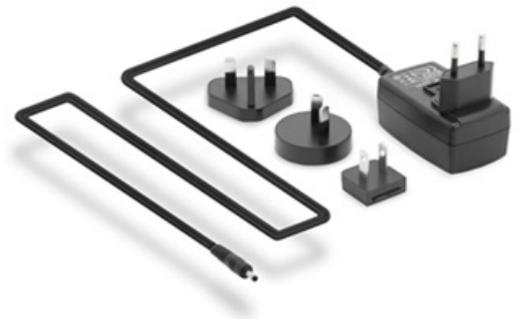|	
Input / Output:	HDMI connector / 2x HDMI connectors
Control:	Mini USB-B female connector
Power:	DC connector (1.35/3.5 mm)

Optional accessory

Rack shelf
Part No: 5240 0269

The 1U high rack shelf provides mounting holes for fastening two half-rack or four quarter-rack sized units.
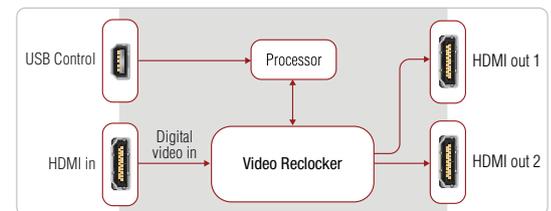
Supplied accessory

PSU-5VS
Part No: 1180 0050

Wall power adaptor with interchangeable plug for international use. Universal input: 100-240 V AC, 50-60 Hz, Output: 5 V DC, 2.5 A

Port Diagram

Standalone Diagram