

8-output HDMI 2.0 Distribution Amplifier with EDID Management and HDCP 2.3 Support

DA8-HDMI20-C is a distribution amplifier with built-in EDID Management and Pixel Accurate Reclocking, supporting DVI, HDMI 1.4, and HDMI 2.0 signals with or without HDCP encryption. The output signal is reclocked and stabilized to remove jitter caused by long cables or poor quality sources.



Details

DA8-HDMI20-C is a **compact distribution amplifier** with built-in **EDID Management and Pixel Accurate Reclocking**, supporting DVI, HDMI 1.4, and HDMI 2.0 signals with or without HDCP encryption. The output signal is reclocked and stabilized to remove jitter caused by long cables or poor quality sources. Moreover, to ensure compatibility, the 4K signal on the output is automatically down-converted to HD when HD displays are connected.

DA8-HDMI20-C features **EDID Management** and can emulate EDID to the video source even if no active HDMI display is attached to the outputs. HDCP enable/disable function turns off the HDCP capability on the input, which helps integrate certain laptops into a non-HDCP AV environment. There are 5 factory EDID presets and one programmable memory for storing a user EDID. This latter one can be uploaded through the USB connector. Moreover, the device can use any EDID read from the HDMI display device connected to its video output ports.

Features

- **Automatic down-conversion on the output from 4k to 1080p if required by the connected HDMI display**
- **EDID Management**
- **HDMI 2.0 signal support**
- **Input cable equalization**
- **Compact size**
- Support for all HDMI 2.0 embedded audio formats
- Mounting ears for easy fixture
- EDID emulation of factory EDIDs, EDIDs read dynamically from the outputs, or custom EDID stored in memory
- 3D pass-through support
- EDID emulation in transmitter
- HDCP enable/disable function on input
- No signal latency, zero frame delay
- Firmware upgrade through USB



Specifications

Max resolution:	up to 4096x2048@60Hz (4:4:4) / up to 4096x2048@60Hz (4:2:2) at 12 bits/color	
Reclocking:	Yes	
HDCP compliance:	HDCP 2.3	
3D support:	Yes	
A/V standard:	DVI 1.0, HDMI 1.4, HDMI 2.0	
Input cable equalization:	Yes, +12dB fixed	
Digital audio formats:	All HDMI 2.0 formats including multi-channel PCM, Dolby True-HD and DTS-HD master audio	
Front panel control:	Yes, EDID selector switch	
LED indicators:	Live, Video Input Status, Video Output Status	
EDID emulation:	Yes, EDID management	
EDID memory:	5 factory presets, 1 programmable	
EDID support:	EDID v1.3	
Power consumption:	TBD	
Supported power source:	100-240 V AC; 50/60 Hz	
Supplied power:	5V DC, 1A	
Enclosure:	1 mm steel	
Dimensions:	TBD	
Net weight:	TBD	
Warranty:	3 years	
Connectors	Input / Output:	HDMI connector / 8x HDMI connectors
	Control:	Micro USB-B type
	Power:	DC connector