



ARCHITECTURAL AND ENGINEERING SPECIFICATION

PRODUCT: DA8-HDMI20-C

FUNCTIONAL OVERVIEW

DA8-HDMI20-C is a compact 1x8 HDMI distribution amplifier that distributes and amplifies one HDMI input to eight HDMI outputs. It supports DVI, HDMI 1.4, and HDMI 2.0 signals up to 4K@60Hz and handles signals with or without HDCP encryption. The unit provides built-in EDID Management with factory presets and a user-programmable EDID, plus Pixel Accurate Reclocking to stabilize and clean the output signal. For compatibility, it can automatically down-convert 4K output to HD when HD displays are connected.

VIDEO INPUT AND OUTPUT SPECIFICATIONS

- 1x HDMI input; Type-A female connector
- 8x HDMI outputs; Type-A female connectors
- Supported standards: DVI, HDMI 1.4, HDMI 2.0
- Maximum resolution: 4096x2160@60Hz, 8 bit color
- HDCP compliancy: HDCP 2.3 compliant
- Reclocking: Yes (Pixel Accurate Reclocking)
- Input cable equalization: +12dB fixed
- 3D support: Yes
- Downscaling support: video resolution downscaling from 4K to 1080p exclusively

AUDIO CAPABILITIES

- All HDMI 2.0 digital audio formats supported
- Multi-channel PCM supported
- Dolby True-HD supported
- DTS-HD Master Audio supported

POWERING (HOW THE DEVICE CAN BE POWERED)

- DC power input via DC 5V barrel connector
- Powered by external AC power adapter: 100V~240V AC (adapter input)
- Adapter output: 5V DC 1A
- Maximum power consumption: 6.7 W

CONTROL (HOW THE DEVICE CAN BE CONTROLLED)

- Front panel 4-pin DIP switch for EDID setting and HDCP mode selection
- Micro-USB port for firmware update
- Micro-USB connection supports uploading a custom EDID (device appears as a USB drive)
- LED indicators: Live (Power), Video Input Status, Video Output Status

GENERAL

- Dimensions: 271W x 26H x 77.4D mm (10.7W x 1H x 3D inch)
- Weight: 540 g (1.2 lbs)
- Mounting options:
 - Mounting Ear Pack (device has two mounting holes with inner thread on the bottom side)
 - 1U rack shelf option (order separately)
- Compliance: CE, UKCA
- EMC (Emission): EN 55032:2015+A1:2020
- EMC (Immunity): EN 55035:2017+A11:2020
- Safety: EN 62368-1:2024
- Supplied accessories:
 - Distribution amplifier
 - 5V DC Power Adaptor, interchangeable plugs
 - Mounting Ear Pack
 - Safety and Warranty Info
 - Quick Start Guide
- Warranty period: 3 years
- Cooling / ventilation: passive
- the product has full paper / green packaging

DOCUMENT REVISION HISTORY

Document	Release Date	Changes	Checked by
Rev. 1.0	2026-07-08	Initial version	Nikolett Keindl