



ARCHITECTURAL AND ENGINEERING SPECIFICATION — LIGHTWARE DA4-HDMI20-C

FUNCTIONAL OVERVIEW

DA4-HDMI20-C is a compact 1×4 HDMI distribution amplifier that distributes and amplifies one HDMI source to four HDMI outputs. It supports up to 4K@60Hz 4:4:4 video and passes multichannel audio formats. Built-in Advanced EDID Management provides multiple factory EDID presets, display EDID copying, and a programmable custom EDID upload option. Pixel Accurate Reclocking stabilizes the outgoing signals to reduce jitter-related artifacts from long or poor-quality cabling. HDCP capability on the input can be enabled or disabled via the front-panel DIP switch.

VIDEO INPUT AND OUTPUT SPECIFICATIONS

- 1× HDMI input: Type-A female
- 4× HDMI outputs: Type-A female
- Supported standards: HDMI 1.4, HDMI 2.0 (supports DVI/HDMI signaling)
- Maximum resolution: 4096×2160 @ 60Hz, 8-bit color
- HDCP compliancy: HDCP 2.3 compliant
- 3D support: Yes
- Reclocking: Yes (Pixel Accurate Reclocking)
- Input cable equalization: +12 dB fixed
- CEC: Supported on all outputs (DA4)

AUDIO CAPABILITIES

- Supports all HDMI 2.0 audio formats
- Multi-channel PCM
- Dolby True-HD
- DTS-HD Master Audio

POWERING

- Powered via DC 5V barrel connector
- Supplied external power adaptor: input 100–240V AC; output 5V DC 1A



CONTROL

- Front-panel 4-pin DIP switch for EDID selection (switches 1–3) and HDCP enable/disable (switch 4)
- Micro-USB port for firmware update
- Custom EDID upload via micro-USB (device appears as a USB drive for file transfer)

GENERAL

- Dimensions: 142 W × 17.6 H × 70.4 D mm (5.6 W × 0.7 H × 2.8 D in)
- Weight: 260 g (0.6 lbs)
- Mounting options: mounting ear pack (mounting holes with inner thread on bottom); rack shelf (1U) available 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 with 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	2026-07-07	Initial version	Nikolett Keindl