



GF-EDD-HD

HDMI EDID Detective

Modern workstations and AV systems depend on clear communication between source and display; but when that link breaks down, productivity does too. Computers rely on EDID (Electronic Display Identification Data) to understand a display's capabilities, from its resolution to its refresh rate and audio format. When displays are powered off, switched away, or routed through complex systems, that EDID handshake can be lost; leaving you with blank screens, mismatched resolutions, and unnecessary frustration.

The Gefen GF-EDD-HD HDMI Detective eliminates those disruptions by storing and emulating your display's EDID, maintaining a consistent connection even when the display isn't present. Once programmed, it quietly ensures your sources always know exactly what they're talking to, delivering dependable signal integrity in studios, control rooms, and digital-signage networks alike.

- Maintains reliable HDMI communication up to 8K@60 and 4K@120 Hz
- Supports HDR10, HDR10+, Dolby Vision, and HLG formats
- Preserves immersive audio including Dolby Atmos® and DTS:X™
- Programmable EDID management via USB-C for flexible setup
- Compact, durable metal design for field or rack installation

GF-EDD-HD

FEATURES

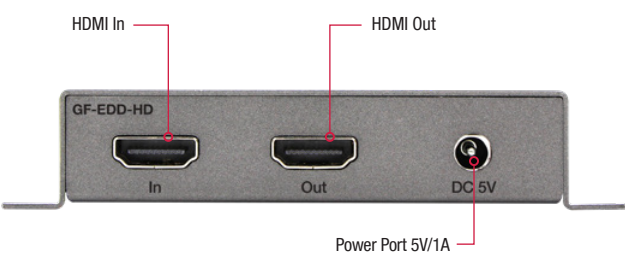
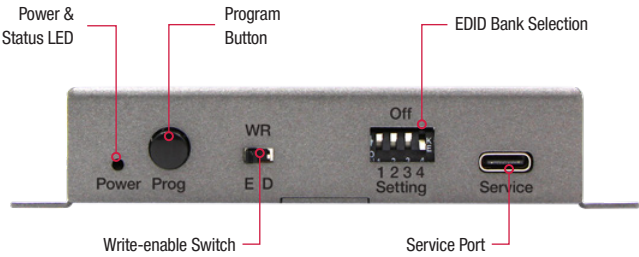
- **Comprehensive Compatibility:** HDMI 2.1 and HDCP 2.3/2.2 support ensure interoperability across the newest displays and sources.
- **Adaptive EDID Profiles:** Five factory presets plus three programmable banks allow fast customization for any system.
- **Signal Integrity Assurance:** DDC re-clocking and active HPD preserve handshakes even when displays are switched or disconnected.
- **Simple Maintenance:** USB-C port enables EDID recording, firmware updates, and management from any workstation.
- **Secure Configuration:** Write-protect switch locks stored EDIDs to prevent accidental changes.
- **Professional Durability:** Metal housing, low power draw, and 3-year warranty deliver long-term reliability.

TECHNICAL SPECIFICATIONS

Video Bandwidth	48Gbps
Video Input	(1) HDMI Type A, 19-pin female
Video Output	(1) HDMI Type A, 19-pin female
Control	(1) USB-C port
Program Button	(1) Tact-type, EDID record
DIP Switches	(1) 4-position (Settings), recessed (1) 2-position (Write-enable)

PHYSICAL SPECIFICATIONS

Power Requirement	5V/1A DC input (Multi-region supported); USB bus power for EDID programming
Power Consumption	<3W (typical)
Operating Temperature	(0 to +50°C (+32°F to +122°F)
Operating Humidity	20% to 90% RH (non-condensing)
Storage Temperature	-20°C to – 60° C (-4°F - 140°F)
Storage Humidity	20% to 90% RH (non-condensing)
MTBF	50,000 hours
Dimensions	90mm x 72mm x 20mm (W x H x D)
Unit Weight	.40 lbs. (0.18 kg)
Enclosure	Metal, surface-mountable



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