



GF-EDD-UC

USB-C 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.

USB-C has revolutionized connectivity, until a system suddenly forgets its display. When a laptop or docking station loses EDID communication, resolutions reset, images disappear, and meeting momentum evaporates.

The Gefen GF-EDD-UC USB-C Detective captures and stores the display's EDID so that even if the monitor is unplugged or the cable swapped, the source never misses a beat. Perfect for conference-room hubs, classrooms, and hybrid workspaces, it keeps USB-C video consistent across every reconnect.

- Maintains stable USB-C Alt Mode video up to 8K@30 and 4K@60 Hz
- Supports HDR10, Dolby Vision, and HLG formats
- Pass-through for USB 2.0 data and HDCP 2.3 content
- Programmable EDID and firmware updates via USB-C
- Rugged metal housing with included power supply

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FEATURES

- **Universal Integration:** Compatible with any USB-C device using DisplayPort Alt Mode; ideal for laptops, tablets, and docks.
- **Dynamic EDID Control:** Five factory profiles and three programmable banks simplify multi-display setups.
- **Reliable Handshake:** Aux channel re-clocking and persistent HPD ensure continuous signal negotiation.
- **Field Service Ready:** USB-C port provides easy firmware updates and EDID management.
- **Protected Configuration:** Write-enable switch prevents overwriting critical profiles.
- **Professional Durability:** Metal housing, low power draw, and 3-year warranty deliver long-term reliability.

TECHNICAL SPECIFICATIONS

Video Bandwidth	32.4Gbps (HBR3)
Video Input	(1) USB-C, 24-pin female
Video Output	(1) USB-C, 24-pin female
USB Bandwidth	480Mbps
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)
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

