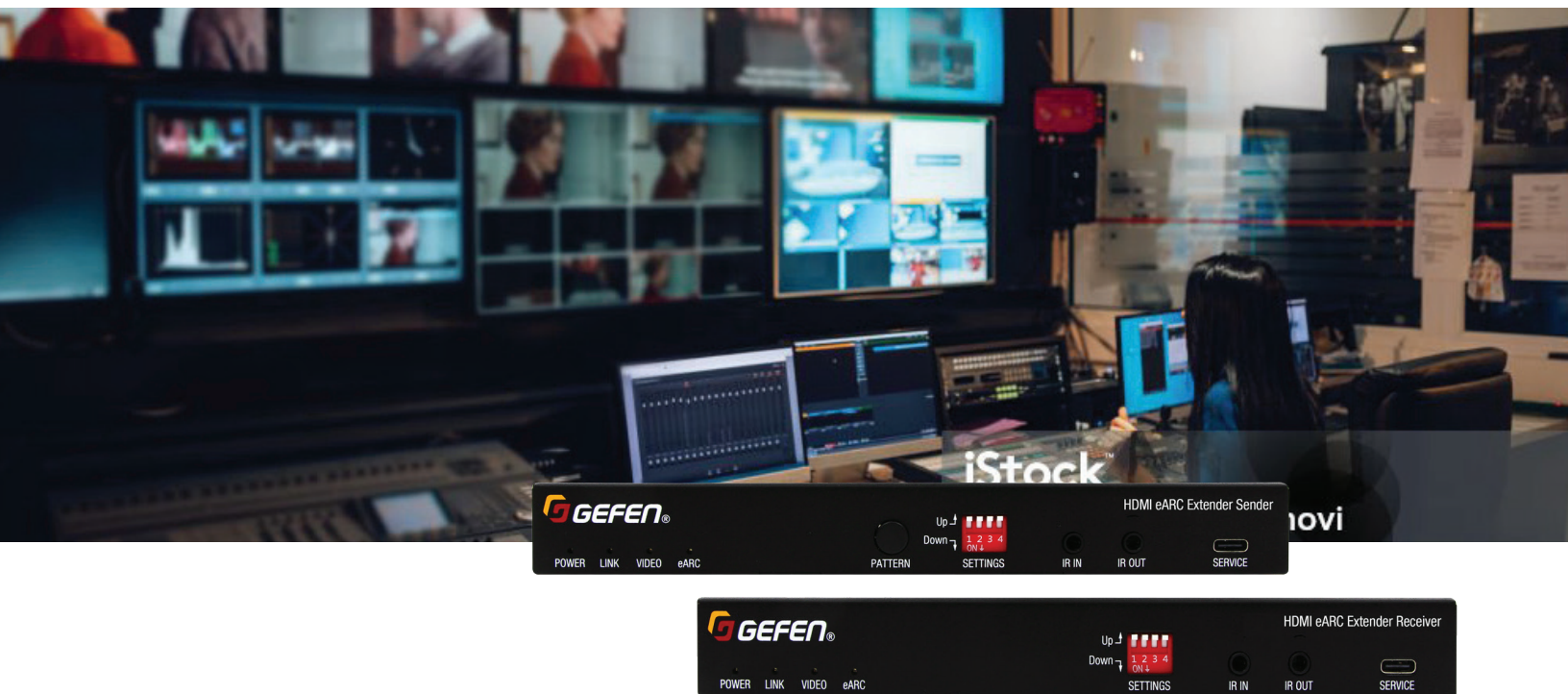




GF-EXT-HDe-HBT3

Gefen HDBaseT 3.0 Extender

When picture and sound quality truly matter, the Gefen GF-EXT-HDe-HBT3 delivers uncompromised clarity and control across long runs. Powered by HDBaseT 3.0 technology, it extends 4K @ 60 Hz 4:4:4 video, eARC/ARC audio, and Ethernet up to 100 meters (330 feet) over a single CAT6a cable.

With full HDR10+, Dolby Vision, and HLG support, plus flexible analog and optical audio outputs, it maintains studio-quality color and sound from source to display. EDID management, signal diagnostics, and a built-in pattern generator streamline setup for integrators.

Whether in a home theater, boardroom, or broadcast suite, the GF-EXT-HDe-HBT3 is built to perform with precision; preserving every detail, frame, and frequency along the way.

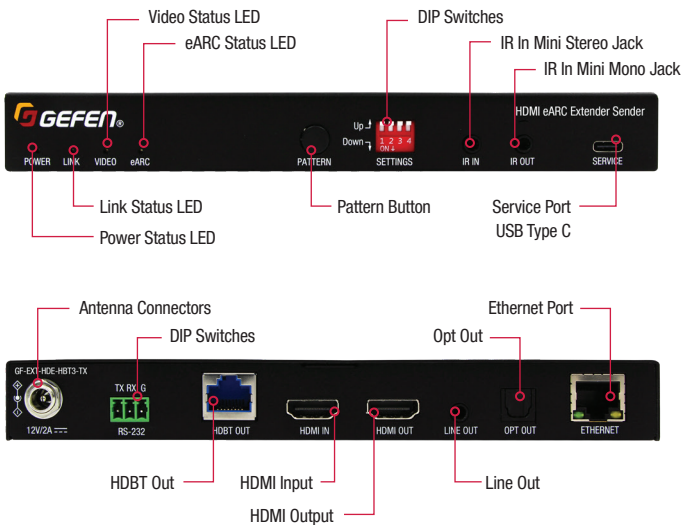
- Extends 4K@60Hz 4:4:4 video up to 100m over CAT6a
- Supports HDR10+, Dolby Vision, HLG, and CEC pass-through
- eARC/ARC audio return with analog and optical de-embedding
- Integrated EDID management and signal testing tools
- Compact metal housing with PoC power and RS-232/IR control

GF-EXT-HDe-HBT3

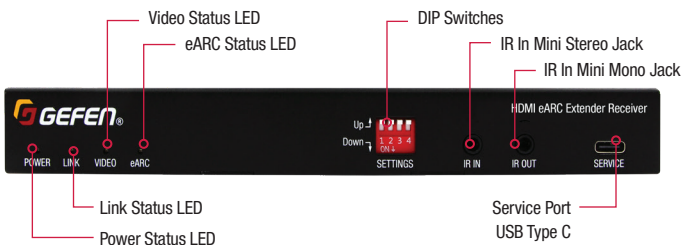
FEATURES

- **Purpose-Built for Mixed AV Environments:** Ideal for hybrid systems where HDMI video, return audio, and control need to coexist cleanly across long runs.
- **Adaptive Audio Intelligence:** Automatically detects and switches between PCM and bitstream sources, optimizing output to match connected amplifiers or processors.
- **Diagnostic Precision:** The integrated pattern generator and HDCP toggle streamline system testing without external gear.
- **ARC/eARC Confidence:** Maintains full handshake integrity with smart EDID filtering to prevent unwanted audio dropouts.
- **Sustainable Performance:** Engineered with energy-efficient circuitry and robust grounding for long-term stability in commercial deployments.

GF-EXT-HDE-HBT3-TX



GF-EXT-HDE-HBT3-RX

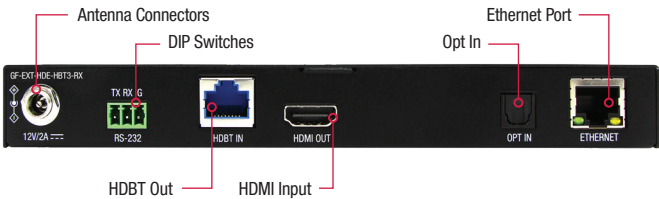


TECHNICAL SPECIFICATIONS

Video Bandwidth	18Gbps
Video Input connector (Sender)	(1) HDMI Type A 19-pin, female
Video Output connector (Sender)	(1) HDMI Type A 19-pin, female, Local Output
Video Output connector (Receiver)	(1) HDMI Type A 19-pin, female
Analog Audio De-embed Output (Sender)	(1) 3.5mm mini-stereo jack
Digital Optical Audio Input (Receiver)	(1) TOSLINK®
Digital Optical De-embed Audio Output (Sender)	(1) TOSLINK®
RS-232 Port (Sender)	(1) 3-terminal Euroblock, male
RS-232 Port (Receiver)	(1) 3-terminal Euroblock, male
IR In (Sender/Receiver)	(1) 3.5mm mini-stereo jack (using optional EXT-IREMIT)
IR Out (Sender/Receiver)	(1) 3.5mm mini-mono jack (using optional EXT-RMT-EXTIRN)
Ethernet port (Sender/Receiver)	(2) RJ-45, shielded, one with PoE
Pattern button (Sender)	(1) Tact-type
Service Port (Sender/Receiver)	(1) USB Type C (Firmware Update)
DIP Switches (Sender/Receiver)	(1) 4-position, recessed
Power Indicator (Sender/Receiver)	(1) LED, Bi-Color Blue/Red
Link Indicator (Sender/Receiver)	(1) LED, green
Video Indicator (Sender/Receiver)	(1) LED, green
eARC Indicator (Sender/Receiver)	(1) LED, green

PHYSICAL SPECIFICATIONS

Power Requirement	12V/2A DC locking connector (Multi-region supported); Bi-directional PoC support
Power Consumption	<15W (typical)
Operating Temperature	(0 to +50°C (+32°F to +122°F))
Operating Humidity	20% to 90% RH (non-condensing)
Dimensions (Sender/Receiver)	190mm x 25mm x 116mm (W x H x D)
Enclosure	Metal, surface-mountable with included brackets



Advanced AV over IP Solutions

Known the world over for seamless, advanced signal distribution and control solutions for commercial applications.

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