

DIGI-HD-IR3-WP-R Technical Specification

HDMI over Twisted Pair Wallplate Receiver

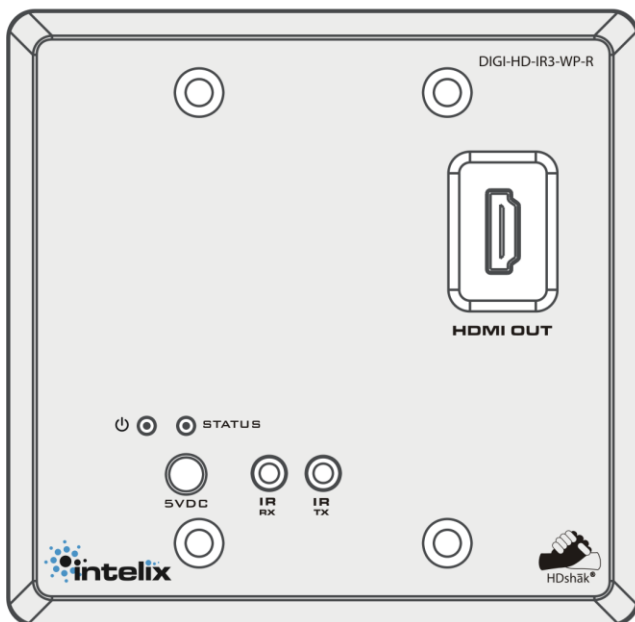
Based on the Intelix's award-winning DIGI-HD-IR2, the **DIGI-HD-IR3-WP-R** is a professional-grade wallplate extender which receives HDMI and bi-directional, wideband IR up to 300 feet over two twisted pair cables.

Ideal for residential AV, commercial AV, and digital signage applications, the **DIGI-HD-IR3-WP-R** receives 1080p video up to 150 feet, 720p and 1080i video up to 300 feet, and 480i and 480p video up to 300 feet when paired with a compatible transmitter. Built-in buffering and amplification allow multiple units to be linked for greater distances, and ESD protection safeguards connected equipment from power strikes and surges.

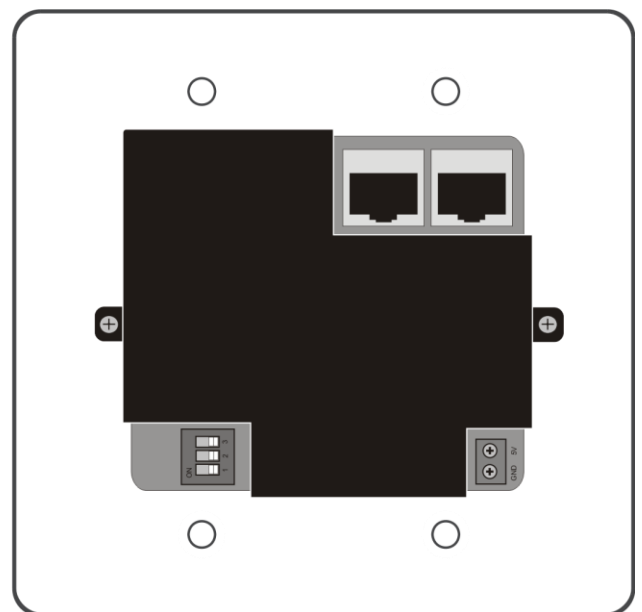
The **DIGI-HD-IR3-WP-R** employs Intelix trademarked HDshāk processing, which delivers the highest level of EDID and DDC negotiation, ensuring proper source and destination HDCP handshaking even over extended distances of twisted pair cabling. Features include dynamic EDID transfer, built-in EDID tables, customizable EDID storing, and bandwidth limiting.

The **DIGI-HD-IR3-WP-R** includes a receiver, IR-Eye, IR-Emitter, and a power supply. The unit may be powered from the front via a DIN connector, or on the rear with a screw down connector.

DIGI-HD-IR3-WP-R (Front)



DIGI-HD-IR3-WP-R (Rear)



| Technical Specifications | |
|--|---|
| Compatible Receivers | DIGI-HD-4x2, DIGI-HD-4x4, DIGI-HD-4x8, DIGI-HD-8x8, DIGI-HD-IR3-WP-S, DIGI-HD-IR3-S, DIGI-HD-XR, *DIGI-HD-IR2-S *when paired with 2-series, bi-directional IR is not supported; only source-to-display |
| Maximum Distance per Linked Unit (Cat 5e) | 1080p: 100 feet 1080i/720p: 200 feet 480i/480p/576i/576p: 200 feet |
| Maximum Distance per Linked Unit (Shielded Cat 6a) | 1080p: 150 feet 1080i/720p: 300 feet 480i/480p/576i/576p: 300 feet |
| Supported Video Resolutions | HDTV: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p VESA Resolutions: Up to 1920x1200 |
| Supported Audio | Dolby TrueHD 7.1, Dolby TrueHD 5.1, Dolby Digital 5.1, DTS-HD Master Audio 7.1, DTS-HD Master Audio 5.1, DTS 5.1, PCM 2.0, PCM 5.1 |
| 3D Support | Side by side half frame Top and bottom half frame |
| Video Amplifier Bandwidth | 1.65 Gbps |
| Output Video | HDMI 1.3 with HDCP |
| Compliance | HDMI 1.3b |
| Input DDC Signal | 5.0 volts p-p (TTL) |
| Input Video Signal | 0.5 to 1.0 volts p-p |
| Supported IR Carrier Frequency Range | 33-55kHz |
| Cabling | Minimum of Cat 5e |
| Connectors | Two (2) twisted pair input (Shielded RJ45) One (1) HDMI output (HDMI F) One (1) IR Input (3.5mm TRS) One (1) IR Output (3.5mm TS) One (1) rear power input (screw terminal) One (1) front power input (5.5mm O.D. DIN connector) |
| Enclosure | Plate = Brushed aluminum Back Cover = Painted steel |
| Maximum Power Consumption | 5 watts |
| Dimensions | Double-gang wall plate 116mm (w) x 114mm (h) x 25mm (d) Wall plate thickness = 8mm |
| Power | 5 VDC |
| Operating Temperature | 80°F |
| Regulatory | CE, RoHS |
| Shipping Weight | 1 lbs. |
| ESD Protection | Yes |
| Diagnostic Indicators | Status and power LEDs |
| Warranty | 2 years |