Website: www.luxielectronics.com
Email: xlu@luxielectronics.com
Phone: +1 (949) 654-2047
Address: Irvine, CA, USA

Product Specification

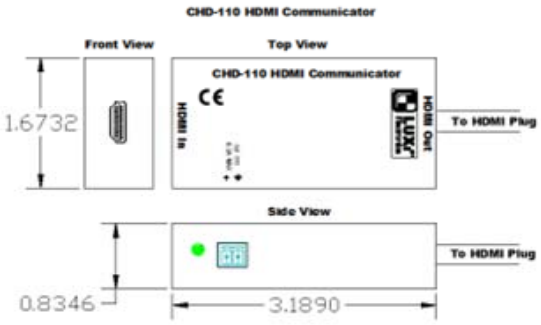
HDMI Communicator, F-M pigtail

Part Number: 74-006-01

Model: CHD-110

Product Image

Product Drawing



Features and Benefits

> World's first HDMI EDID and HDCP communication problem solver
> Resolve the communication collisions by altering data timing and issuing new HDCP key
> No mounting needed; just plug it in-line between the cable from the source device and the sink device's input
> External power is not always required; it draws power from source device first. If not enough, then external power.
> Luxi patented locking HDMI connector design on both female input and male output to ensure secure connector mating
> Installers can resolve virtually any HDMI system issues by always carrying Luxi HDMI Extenders and Communicators in their tool cases
> HDMI 2.0 Deep Color, HEAC and 3D compatible
> HDCP 2.0 compliant
> CE and FCC compliant
> RoHS compliant

Package

1 piece in one white cardboard box; no power supply

Box size: 8.2" x 5.6" x 2.5" (20.8 x 14.3 x 6.3 cm)
Weight: package, 0.47 lbs (0.21 kg); product, 0.15 lb (66 g)
32-pc box: 21.1" x 17.4" x 12.7" (53.7 x 44.1 x 32.3 cm)
32-pc box weight: 19 lb (8.6 kg)

General

Input connector: 1 HDMI Type A female
Output connector: 1 HDMI Type A male
Power connector: 2-pin 3.5 mm captive screw receptacle

Other Related Products

Power adaptor, 100-240 V in, 5 V out, US, P/N 69-001-01

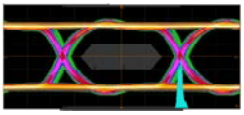
HDMI Extender, P/N 74-035-01, model EHD-111

Mechanical

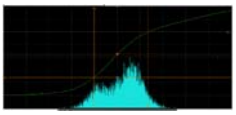
Enclosure material: Aluminum
Enclosure size: 3.2" x 1.7" x 0.8" (81 x 42 x 21 mm)
Pigtail length (neck to neck): 4.6" (118 mm)
Pigtail cable diameter: 0.3" (7.4 mm)
Overall plug height (with clamshell): 0.45" (11 mm)
Overall plug length (with clamshell): 2.0" (51 mm)

Electrical

Supported Signal Formats
Maximum data rate: 6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock: 225 MHz
Resolution range: Up to 1080p 36-bit @ 60 Hz, or 3D, or 4k @ 24 Hz
Video formats: RGB and YCbCr digital video
Audio formats: Dolby TrueHD, DTS-HD Master Audio and all other HDMI audio formats
Standards: HDMI 2.0, DVI 1.0 (with proper adaptors)
HDCP compliant: yes; rev 2.0, HDCP repeater
CEC compliant: yes
HDMI Ethernet compliant: yes
HDMI return audio compliant: yes
Electrical test results (1080p 24-bit 60 Hz results below)
TMDS clock jitter: 81 mTbit
TMDS data jitter: 134, 131, 136 mTbit for D0, D1, D2 resp.
TMDS clock rise time: 202 ps
TMDS clock fall time: 186 ps
TMDS data rise time:
116, 140, 123 ps for D0, D1, D2



TMDS data fall time:
111, 125, 113 ps for D0, D1, D2



Clock duty: 48.23 min, 48.54 max
Inter-pair skew: D0/D1, 1 mTpixel
D0/D2, 0.9 mTpixel
D1/D2, 2 mTpixel
Power: 5 V DC, 0.3 A from source device or external power
Optional power supply:
Auto switching 100-240 V AC input on US plug, 5 V DC 2 A max on bare wires, wall ward type, UL, PSE, CE, FCC
Mounting: not needed; pigtail plugged into a display input
Regulatory compliance
Safety: CE, CUL, UL (power supply only)
EMI/EMC: CE, FCC Class B
MTBF: 30,000 hours
Warranty: 3 years parts and labor