



Z05

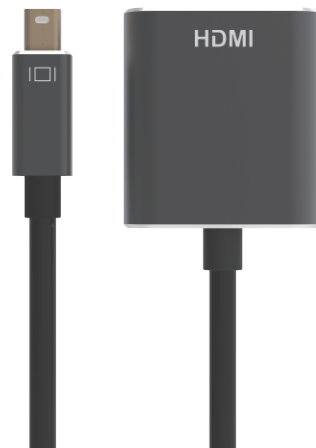
MiniDP1.2-HDMI Female Adapter

Product number:7.12

Summary

Z05 is a MiniDP to HDMI adapter designed for the professional audio and video industry. It uses active conversion with a transmission rate of 18Gbps and a maximum resolution of 3840x2160@60Hz. The 30AWG cable is made with multi-strand tinned copper wire with three-layer shielding, metal tinplate connector, and 15 μ gold-plated pins, which make connections stable and reliable. This product meets and exceeds the demands of repeated use in rental and staging applications.

Product view



MiniDP-HDMI Female Front



MiniDP-HDMI Female Side

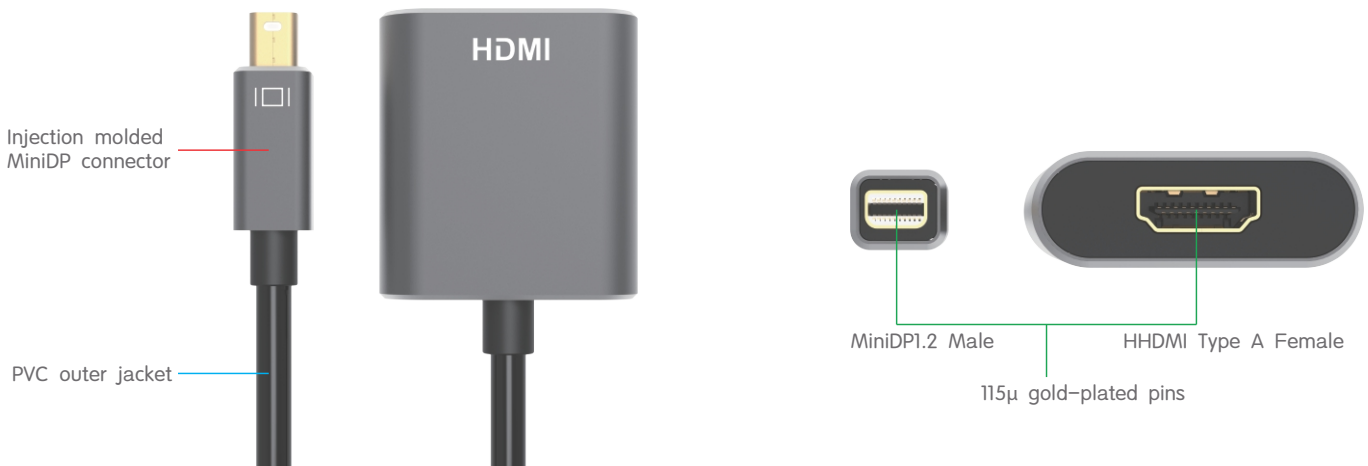


MiniDP-HDMI Female Interface

Technical Characteristics

- ◆ MiniDP1.2-male to HDMI-female adapter with a length of 20cm.
- ◆ Employs active conversion and signal EQ level adjustment.
- ◆ The input supports MiniDP1.2, and the output conforms to the HDMI 2.0 standards.
- ◆ Up to 18Gbps transmission rate, the highest resolution supports 3840 x 2160@60Hz4:4:4
- ◆ PVC outer jacket and 30AWG multi-strand tinned copper wire.
- ◆ Three-layer shielding structure, more than 85% weaving shielding rate
- ◆ Injection molded MiniDP connector and zinc alloy housing provide reliable connections.
- ◆ 15μm gold-plated pins support repeated plugging and unplugging.
- ◆ Suitable for repeated deployment in the rental and staging market.

Schematic Diagram of Details



Product Parameter

Name	Parameter
Signal Type	MiniDP1.2a – HDMI Female Adapter
Conversion Method	Active
Input Connector Type	miniDP Male

Name	Parameter
Out Connector Type	HDMI Type A Female
Length	20CM
Environmental Info	RoHS 2.0 Compliant
Connector Gold Plating	1μm
Connector Dimensions	MiniDP: 42*12*10mm; HDMI: 52.5*40*14mm
Connector Structure (miniDP)	Plug plate + Inner mold + Copper foil + Shell
Connector Structure (HDMI)	Active PCB + SR outer mold + Shell
Internal mold (miniDP)	Transparent PE material
SR Outer Mold (HDMI)	45P black PVC injection mold
Copper foil (miniDP)	Double-sided conductive copper foil
Shell	Zinc alloy mold sleeve
Components	Conductor + Copper foil + Mylar + Braid + Jacket
Conductor Material	Single strand oxygen-free copper
Conductor Diameter	30AWG
Braid Material	128 Aluminum-magnesium
Shielding Rate	85%
Jacket Material	90P PVC (UL、RoHS)
Cable Diameter	5.0 MM
Cable Color	Black
EDID	Yes
DDC	Yes
HDMI audio	Yes
3D	Yes
CEC	Yes
ARC	Yes
HDCP	Yes
HDR	Yes
XvYCC Color Space	Yes
ESD	Yes
Compatibility	Backward compatible with DP1.1/ 1.0
Supported Resolutions	3840 x 2160@60Hz
Clock Bandwidth	600MHz*3
Transmission rate	18Gbps
Plug and Play	Yes
Delay	Zero
Deep Color	Yes
Sampling Rate	RGB 4:4:4、YUV 4:4:4、YUV 4:2:2、YUV 4:2:0
Compression	None
Electrical Test (Voltage)	Voltage: DC 300V
Impedance Test (Insulation)	Insulation resistance: ≥ 10MΩ
Impedance Test (Continuity)	On-resistance: ≤ 2Ω

Name	Parameter
Tensile Strength	≤200N
Bending Angle	90°
Operating Temperature	-20℃~75℃

尺寸图

Dimensional drawing



- Connector Dimensions(MiniDP) 42*12*10mm
- Connector Dimensions(HDMI Female) 52.5*40*14mm
- Bag Size 26 * 27cm
- Carton Dimensions 46 * 33 * 26cm