

Z04

DP1.2a-HDMI Female Adapter

Product number:7.11

## Summary

**Z04** is a DP to HDMI adapter designed for the professional audio and video industry PVC double-layer outer jacket It uses active conversion with a transmission rate of 18Gbps and a maximum resolution of 3840x2160@60Hz. The 30AWG cable is made with multistrand tinned copper wire with three-layers shielding, metal tinplate connector, and 15 $\mu$  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



DP1.2-HDMI 母 正面



DP1.2-HDMI 母 接口面

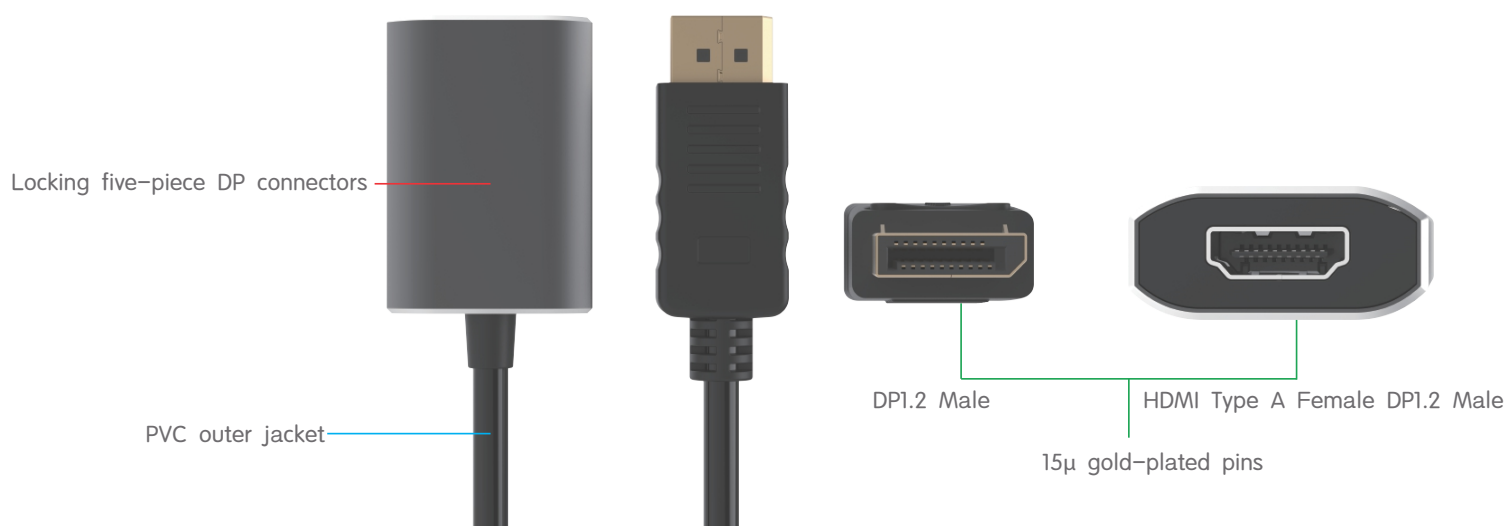


DP1.2-HDMI 母 侧面

## Technical Characteristics

- ◆ DP1.2-male to HDMI-female adapter with a length of 20cm.
- ◆ Employs active conversion and signal EQ level adjustment.
- ◆ The input supports DP1.2, and the output conforms to HDMI 2.0 standards.
- ◆ Maximum transmission rate of 18Gbps supporting resolutions up to 3840x2160@60Hz 4:4:4.
- ◆ Dual-layer PVC outer jacket and 30AWG multi-strand tinned copper wire.
- ◆ Three-layer shielding structure and 85% copper weaving shielding rate.
- ◆ Locking five-piece DP connectors and zinc alloy housing provide reliable connections.
- ◆ Increased durability with 15μ gold-plated pins and protective cap.
- ◆ Suitable for repeated use in the rental and staging market.

## Diagram of details



## Product Parameter

Name	Parameter
Signal Type	DP1.2a – HDMI Female Adapter
Conversion Method	Active
Input Connector Type	DP Male

Name	Parameter
Output Connector Type	HDMI Type A Female
Length	20CM
Environmental Info	RoHS 2.0 Compliant
Connector Gold Plating	1μm
Connector Dimensions	DP: 56*20*12.4mm; HDMI:53.7*31.5*14mm
Connector Structure(DP)	Plug plate + Inner mold + Copper foil + SR outer mold + Shell
Connector Structure(HDMI)	Active PCB + SR outer mold + Shell
Inner Mold (DP)	Transparent PE material
Copper Foil (DP)	Double-sided conductive copper foil
SR Outer Mold	45P black PVC injection mold
Shell(DP)	ABS upper and lower assembly shell (UL, RoHS);
Shell(HDMI)	Zinc alloy mold sleeve shell
Locking Connector (DP)	Standard DP press-style locking mechanism
Components	Conductor + Copper foil + Mylar + Braid + Jacket
Conductor Material	Single strand oxygen-free copper
Conductor Diameter	30AWG
Braid Material	128 aluminum magnesium braid
Shielding Rate	85% shielding rate
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 DP 1.1 / 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

Name	Parameter
Impedance Test (Continuity)	On-resistance: $\leq 2\Omega$
Tensile Strength	$\leq 200N$
Bending Angle	$90^\circ$
Operating Temperature	$-20^\circ C \sim 75^\circ C$

## Dimensional diagram



- Connector Dimensions( DP 1.2a) 56\*20\*12.4mm
- Connector Dimensions(HDMI Female) 53.7\*31.5\*14mm
- Bag Size 26 \* 27cm
- Carton Dimensions 46 \* 33 \* 26cm