

AR-MDP4K-HDF Technical Specification

Mini-Display Port to HDMI® Adapter Cable Assembly

Rev. 180411

Liberty's AR-MDP4K-HDF Mini-Display Port to HDMI dongle features a short flexible design for Mini-DP output A/V to HDMI solutions. This unit is a component of Liberty's patented Digital Keychain Security System that can function as a standalone adapter for Video presentation system. The unit has the 4-way eyelet for inclusion into a keychain design.

The AR-MDP4K-HDF unit is manufactured with the latest in IC technology to support the full bandwidth required of HDMI 2.0. The unit supports bandwidth of up to 18Gbps. The actual performance will depend on the circuit link that is attached to the adapter. Longer cables attenuate and this can reduce the final throughput.

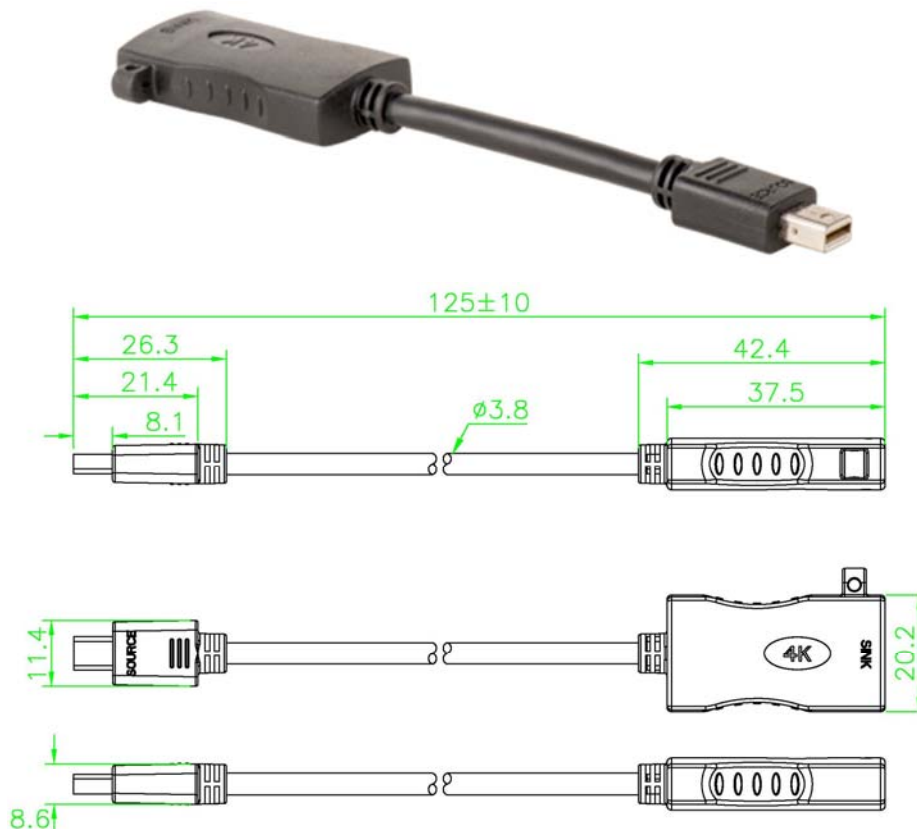
Note the use pattern for this adapter is connected to a passive HDMI cable. Active AOC and Active Copper cables may not work due to the power and technology differences. It is not recommended to use active cables to connect to this adapter. The length of the cable should be as short as possible. It is not recommended to exceed 10 feet.

Key Features:

- 5-inch overall length
- 4K60 4:4:4 Bandwidth
- Tested to VESA requirements
- Flexible cable for routing
- Component for Digital Keychain

Key Applications:

- Adapting Mini-DP to HDMI
- Corporate Boardrooms
- Education and Conference Center
- Presenting and Collaboration



Technical Specifications	
I/O Connections	
Display port	Male Mini-Display Port Connector
HDMI	Female HDMI Type A connector
HDMI Supported Video, Audio and Ethernet	
HDMI Maximum Video Compatibility	4Kx2K @ 60Hz
Video Compliance	HDMI 2.0, HDCP 2.2
Display Port Compliance	DP 1.2A for 1.62Gbps, 2.7Gbps, and 5.4Gbps
Training Support	Full Link Training and No Link Training Supported
Maximum Bandwidth	HDMI: 18.0Gbps
Cable Construction	
Molded Hood Constructions	Copper Foil Shielded Pre-mold with PVC over mold. Over mold is black
Mini-DP Molded Hood Dimensions	L: 18.2mm x W: 11.4mm x H: 8.6mm. Connector shroud is 8.1mm
HDMI Molded Hood Dimensions	L: 42.4mm x W: 20.2mm x H: 10.2mm. Strain Relief included in overall length
Cable Jacket Material	Flame rated PVC with a glossy black finish
Cable Construction	32 AWG Tinned Copper
Overall Cable Size	0.150" 3.8mm
Minimum Bend Radius	1.50" 38mm
Maximum Tensile Load	22Lbs 10Kg
Environmental Requirements	
Operating Temperature	0° to +60° C (+32° to +140° F)
Operating Humidity	20% to 85%, Non-condensing
Storage Temperature	-20° to +80° C (0° to +176° F)
Power and Regulatory	
Regulatory	UL AWM 20276 VW-1, EU RoHS-2 2011/65/EU Compliant

Liberty Wire & Cable specifications are subject to change without notice. Contact an account representative for current product specifications. Liberty Wire & Cable continuously strives to ensure product specifications are accurate and complete. All physical specifications are nominal.

Part Matrix	
Item Number	Description
AR-MDP4K-HDF	Adapter Cable, Mini-Display Port to HDMI

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