

## AR-UCM-HDF Technical Specification

### USB C to HDMI® Adapter Cable Assembly

Rev. 161013

Liberty's AR-UCM-HDF USB C to HDMI dongle features a short flexible design for USB C ALT-DP Mode 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-UCM-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 10.2Gbps. The actual performance will depend on the circuit link that is attached to the adapter. Longer cables and couplings attenuate and this can reduce the final throughput.

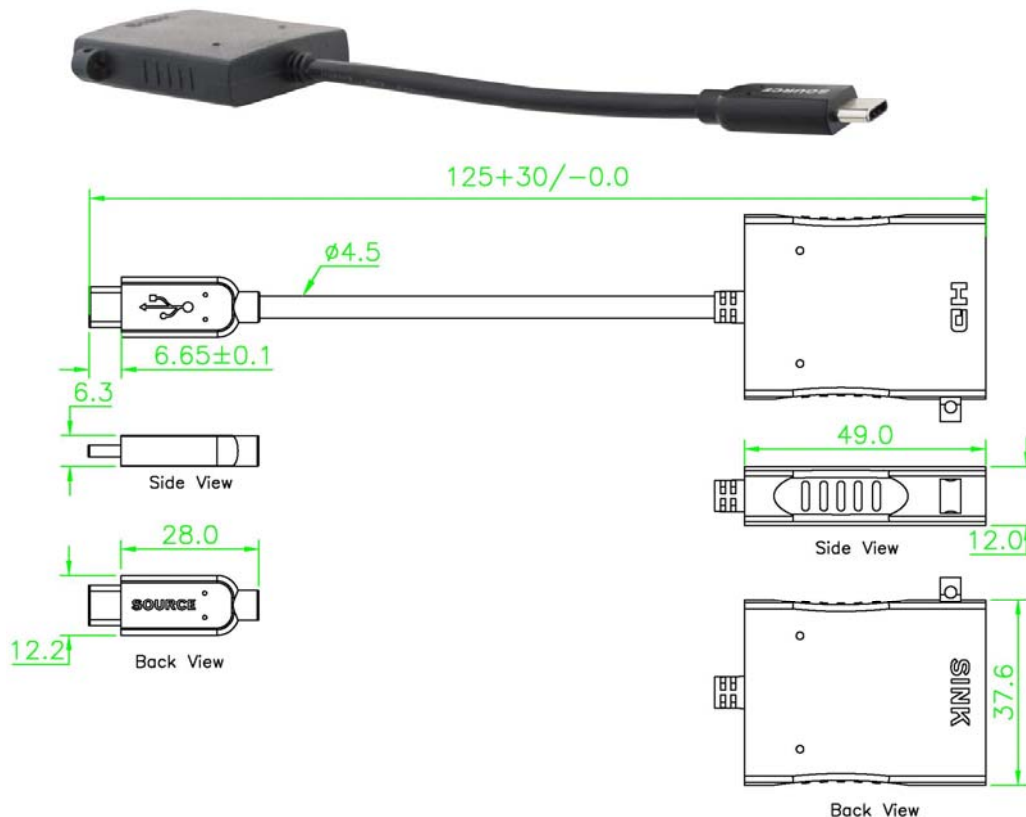
Use of Active Optical HDMI Cables (AOC) is not recommended with this unit unless they have an external power feature. The active cable requires 5VDC from pin 18 of the HDMI port. This unit uses ALT-DP Mode and has active electrical conversion. Introducing two power draw cables onto one port can cause issues with the source device.

### Key Features:

- 5-inch overall length
- 4K30 4:4:4 Bandwidth
- ALT-DP Mode
- Flexible cable for routing
- Component for Digital Keychain

### Key Applications:

- Adapting USB C to HDMI
- Corporate Boardrooms
- Education and Conference Center
- Presenting and Collaboration



Technical Specifications	
<b>I/O Connections</b>	
USB	Male USB C Connector
HDMI	Female HDMI Type A connector
<b>HDMI Supported Video, Audio and Ethernet</b>	
HDMI Maximum Video Compatibility	4Kx2K @ 30Hz
Video Compliance	HDMI 2.0, HDCP 1.4 and HDCP 2.2
Audio Compliance	8-ch LPCM, compressed audio and HBR
CEC Support	Yes
Maximum Bandwidth	HDMI: 10.2 Gbps
<b>Chipset Information</b>	
Type	Parade® PS176
Current Firmware	7.55
<b>Cable Construction</b>	
Molded Hood Constructions	RF Can with PVC over mold. Over mold is black
USB C Molded Hood Dimensions	L: 28mm x W: 12.2mm x H: 6.3mm. Connector shroud is 6.3mm
HDMI Molded Hood Dimensions	L: 49mm x W: 37.6mm x H: 12mm. Strain Relief not included in overall length
Cable Jacket Material	Flame rated PVC with a glossy black finish
Cable Construction	32 AWG Tinned Copper
Overall Cable Size	0.177"   4.50mm
Minimum Bend Radius	1.77"   45mm
Maximum Tensile Load	22Lbs   10Kg
<b>Environmental Requirements</b>	
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)
<b>Power and Regulatory</b>	
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-UCM-HDF	Adapter Cable, USB C to HDMI

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