

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.

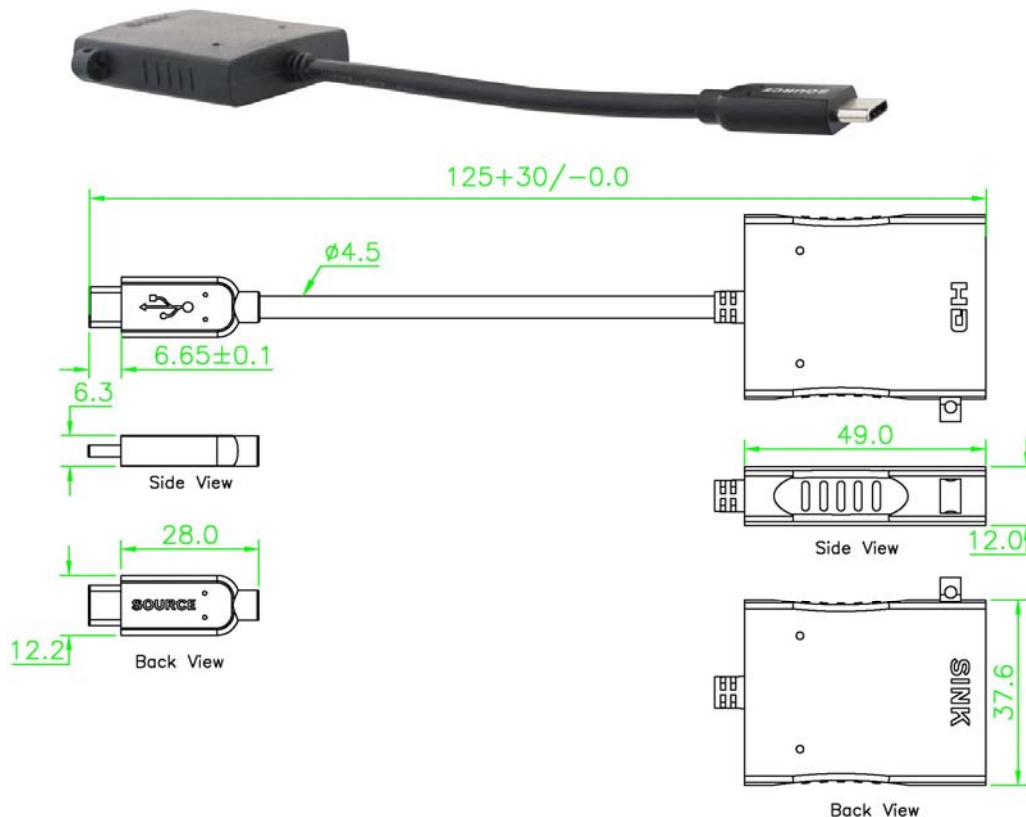
Use of Active Optical HDMI Cables (AOC) is not recommended with this unit unless they have an external power feature. The active cable requires 5VDC from pin 18 of the HDMI port. This unit uses ALT-DP Mode and has active electrical conversion. Introducing two power draw cables onto one port can cause 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 | |
|---|---|
| I/O Connections | |
| USB | Male USB C Connector |
| HDMI | Female HDMI Type A connector |
| HDMI Supported Video, Audio and Ethernet | |
| 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 |
| Chipset Information | |
| Type | Parade® PS176 |
| Current Firmware | 7.55 |
| Cable Construction | |
| 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 |
| 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-UCM-HDF | Adapter Cable, USB C to HDMI |

National Electric Code® is a registered trademark of the National Fire Protection Agency (NFPA)
 NEC® is a registered trademark of the National Fire Protection Agency (NFPA)
 HDMI® is a registered trademark of HDMI, LLC
 High Definition Multimedia Interface® is a registered trademark of HDMI, LLC
 Displayport® is a registered trademark of VESA