



# kramer

## AD-RING

HDMI Adapter Ring

| HDMI



AD-RING is a stainless steel ring of HDMI adapters that attaches to your display cable so you can plug different presentation sources into the HDMI cable. Laptops, tablets, smart phones, digital cameras, and net books have a variety of connectors for displaying their content. AD-RING provides the presenter easy access to the appropriate adapter for connection to the HDMI infrastructure. This simple and effective solution supports mobile device content and keeps the adapters secure and in place for the next presenter.

\* Note: HDMI cable sold separately.

\* For easy installation or modifying AD-RING adapters please see ACCESSORIES & RELATED PRODUCTS

## FEATURES

Secure your adapters with the cable clamp and security loop

**Supported Resolutions** - AD-RING-1, AD-RING-2, AD-RING-3 - Up to 1080p and 1920x1200.  
AD-RING-4, AD-RING-5 - Up to 4K@60Hz (4:2:0), AD-RING-6 - Up to 4K@60Hz (4:2:0),  
AD-RING-7 - USB-C: Up to 4K@60Hz (4:2:0), MDP: Up to 4K@60Hz (4:4:4), DP: Up to 1080p,  
AD-RING-8 - USB-C: Up to 4K@60Hz (4:2:0), MDP: Up to 1080p/1920x1200

Fits HDMI cables from 3mm to 9mm in diameter

**Included Accessories** - 1 ABS cable clamp, 2 sets of foam rubber inserts, 4 sets of Torx T10 screws and nuts



## TECHNICAL SPECIFICATIONS

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Inputs	DisplayPort Male Complies with DisplayPort 1.1 up to 2.7 Gbps Mini DisplayPort Male Complies with DisplayPort 1.1 up to 2.7 Gbps Mini HDMI Type-C Male Complies with HDMI up to 2.25 Gbps Micro HDMI Type-D Male Complies with HDMI up to 2.25 Gbps USB type-C
Outputs	HDMI type-A Female Complies with HDMI up to 2.25 Gbps
Video	Max. Resolution (AD-RING-1, AD-RING-2, AD-RING-3) 1080p and 1920x1200 Max. Resolution (AD-RING-4, AD-RING-5) 4K@60 (4:2:0) Max. Resolution (AD-RING-6) 4K@60Hz (4:2:0) Max. Resolution (AD-RING-7) USB-C – 4K@60Hz (4:2:0), MDP – Up to 4K@60Hz (4:4:4), DP – Up to 1080p Max. Resolution (AD-RING-8) USB-C – Up to 4K@60Hz (4:2:0), MDP – Up to 1080p/1920x1200 Max. Resolution (AD-RING-9) 4K@60Hz (4:2:0)
CONSTRUCTION	Security Cable Material: Steel with black polyethylene sheath Security Cable Length 450 mm (17.72 in) Cable Clamp Dimensions (closed): 17mm x 24mm x 26.5mm (0.67in x 0.94in x 1.04in) Cable Clamp Inner Diameter: 9mm (0.35in) Cable Clamp Material: Black ABS plastic Medium Size Insert Diameter: 6mm (0.24in) Small Insert Diameter: 4mm (0.16in) Insert Material: Foam rubber
Accessories	Included 1-ABS cable clamp, 2-sets of foam rubber inserts, 4 -sets of Torx T10 screws and nuts





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## CONFIGURATIONS

AD-RING-1	Included adapters: DisplayPort (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F)
AD-RING-2	Included adapters: DisplayPort (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F); Mini HDMI type-C (M) to HDMI (F); Micro HDMI type-D (M) to HDMI (F)
AD-RING-3	Included adapters: DisplayPort (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F); Mini HDMI type-C (M) to HDMI (F)
AD-RING-4	Included adapters: Mini DisplayPort (M) to HDMI (F); USB Type-C (M) to HDMI (F)
AD-RING-5	Included adapters: Mini DisplayPort (M) to HDMI (F); USB Type-C (M) to HDMI (F); DisplayPort (M) to HDMI (F); Mini HDMI type-C (M) to HDMI (F)
AD-RING-6	Included adapters: USB type-C (M) to HDMI (F), DisplayPort (M) to HDMI (F), Mini DisplayPort (M) to HDMI (F)
AD-RING-7	Included adapters: USB type-C (M) to HDMI (F), DisplayPort (M) to HDMI (F), Mini DisplayPort (M) to HDMI (F)
AD-RING-8	Included adapters: USB type-C (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F)
AD-RING-9	Included adapters: Display Port (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F); USB type-C (M) to HDMI (F)
AD-RING-11	Included adapters: Display Port (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F) (for Thunderbolt); USB type-C (M) to HDMI (F)
AD-RING-12	Included Cable (12.7 cm) adapters: Display Port (M) to HDMI (F); Mini DisplayPort (M) to HDMI (F) (for Thunderbolt); USB type-C (M) to HDMI (F)
AD-RING-CLAMP	Security clamp to attach an additional adapter to the AD-RING stainless steel ring