

# Extron

# Specifications

## DPM-HDF 4K PLUS Series

### TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 60 Hz	4:4:4	8 bit
3840 x 2160 at 60 Hz		
4096 x 2160 at 30 Hz		
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	12 bit
3840 x 2160 at 60 Hz		

Frame rate<sup>1</sup> ..... 24 Hz - 240 Hz for resolutions up to 32.4 Gbps  
 Chroma sampling<sup>1</sup> ..... 4:4:4, 4:2:2, or 4:2:0  
 Color bit depth<sup>1</sup> ..... 8, 10, or 12 bits per color  
 Signal type ..... DisplayPort 1.2, HDMI 2.0b; HDCP 1.4 and 2.3  
 Max. video data rate ..... 18 Gbps (6.0 Gbps per color)

### Performance/electrical

Maximum data rate ..... 18 Gbps (6.0 Gbps per lane)  
 Maximum pixel clock ..... 600 Mhz  
 Resolution range ..... Up to 1920x1200 or 1080p @ 60 Hz, 12-bit color  
 4K (4096x2160 @ 60 Hz 4:4:4)  
 UHD (3840x2160 @ 60 Hz 4:4:4)  
 Formats ..... RGB and YCbCR digital video  
 Standards ..... DisplayPort 1.2, HDMI 2.0b, HDCP 1.4 and 2.3

### Cable - Electrical (DPM-HDF/0.5 4K PLUS and DPM-HDF/6 4K PLUS)

Voltage ..... 30 V  
 Power consumption ..... 507 mW  
 Pair impedance ..... 100 ohms ±10 ohms  
 Attenuation ..... At 100-450 Mhz: <5 dB per 3 m  
 At 0.45-1 GHz: <7.7 dB per 3 m  
 At 1-2 GHz: <12.6 dB per 3 m  
 At 2-3 GHz: <17.5 dB per 3 m  
 At 3-4 GHz: <22.4 dB per 3 m  
 At 4-5 GHz: <27.3 dB per 3 m  
 At 5-7 GHz: <37.1 dB per 3 m

### Skew

Intrapair ..... ≤50 ps per 2 m  
 Interpair ..... ≤4 ns per 2 m

### Adapter Physical Characteristics

#### Connectors

#### Input

Number/signal type ..... 1 DisplayPort  
 Connector ..... Male latching DisplayPort

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## Output

Number/signal type.....	1 HDMI
Connector .....	Female HDMI type A
Contacts .....	Gold plated

## Cable Physical Characteristics

### Connectors

#### Input

Number/signal type.....	1 DisplayPort
Connector .....	Male latching DisplayPort

#### Output

Number/signal type.....	1 HDMI
Connector .....	Female HDMI type A
Contacts .....	Gold plated

### Material

Conductor .....	Tinned copper
Drain .....	Tinned copper
Shielding.....	Braid, tinned copper
Jacket .....	PVC
Conductor gauge .....	28 AWG
Drain gauge .....	30 AWG

### Dimensions

#### DPM-HDF/0.5 4K PLUS

Cable outer diameter .....	0.30" (7.6 mm ±0.15 mm)
Bend radius .....	3.0" (76 mm)
Length.....	6" long

#### DPM-HDF/6 4K PLUS

Cable outer diameter .....	0.30" (7.6 mm ±0.15 mm)
Bend radius .....	3.0" (76 mm)
Length.....	6' long

## General — Physical Characteristics

Product weight .....	0.1 lbs (<0.1 kg)
Regulatory compliance .....	c-UL, UL CL2, CSA FT-1
Temperature rating	
DPM-HDF 4K PLUS .....	Minimum: -25 °C Maximum: 75 °C
DPM-HDF/0.5 4K PLUS .....	Maximum: 80 °C
DPM-HDF/6 4K PLUS .....	Maximum: 80 °C
Warranty .....	3 years

**NOTE:** Dimensions given above exclude the cable length.

**NOTE:** Specifications are subject to change without notice.

**NOTE:** Shipping weights and dimensions are available at [www.extron.com](http://www.extron.com).

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