

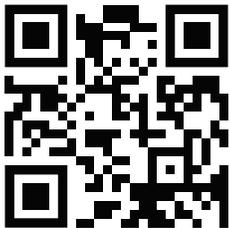
4K7-HS/4K10-HS Specifications

Learn about the product specifications. Due to continuing research, specifications are subject to change without notice.

Product documentation

For installation, setup, and user information, see the product documentation available on the Christie Digital Systems USA Inc. website at www.christiedigital.com. Read all instructions before using or servicing this product.

1. Access the documentation from the Christie website:
 - Go to this URL: <http://bit.ly/2JtghsE> or <https://www.christiedigital.com/en-us/business/products/projectors/1-chip-dlp/hs-series>
 - Scan the QR code using a QR code reader app on a smartphone or tablet.



2. On the product page, select the model and switch to the **Downloads** tab.

Related documentation

Additional information on the projector is available in the following documents.

- *4K7-HS/4K10-HS Installation and Setup Guide (P/N: 020-001449-XX)*
- *4K7-HS/4K10-HS Product Safety Guide (P/N: 020-001450-XX)*
- *4K7-HS/4K10-HS User Manual (P/N: 020-001451-XX)*
- *4K7-HS/4K10-HS Specification Guide (P/N: 020-001452-XX)*
- *4K7-HS/4K10-HS Service Manual (P/N: 020-001453-XX)*

- *4K7-HS/4K10-HS Lens Throw Ratios Technical Reference Information (P/N: 020-102940-XX)*
- *4K7-HS and 4K10-HS Serial API Commands Technical Reference (P/N: 020-102782-XX)*
- *Twist User Guide (P/N: 020-101380-XX)*
- *Mystique Operate Instruction Sheet (P/N: 020-102382-XX)*

Display

Learn the display features for the projector.

Description	
Panel resolution and refresh rate	
Pixel format (H x V square pixels)	2716 x 1528 (WQXGA+)
Refresh rate	60 Hz
Achievable contrast ratio	250:1 ANSI, up to 1100:1 (Full Frame On/Off)
Color and Gray scale resolution	
Displayable colors	1.07 billion
Gray scale resolution	10 bits per RGB component
White point	
Nominal white (Full white in bright mode)	x = 0.297 +/- 0.02 y = 0.325 +/- 0.02
Nominal Gamma	2.2 ±5%

Control signal compatibility

Learn the control signal compatibility features for the projector.

Description	
Ethernet port	
Interface	10Base-T/100Base-TX
Connector	Female RJ45
Interface	WLAN USB adapter, USB2.0
Connector	USB type-A
3D sync	
Connector	BNC male
Interface	TTL inputs and outputs

Description	
RS232 in	
Connector	9-pin subminiature D, male
Bit rate	115,200 bps
Data format	1 start bit, 8 data bits, 1 stop bit, no parity
Wired remote	
Connector	3-pin 3.5 mm phone jack female
Interface	Custom/inputs and outputs

Optional input cards

Learn about the input cards that may be used with the projector.

Input card	Part number
HDBaseT (standard on 4K10-HS)	140-138103-XX
SDVoE	140-139104-XX
3G-SDI IN/3G-SDI OUT	140-140106-XX

Power requirements

Learn the power requirements for the projector.

Parameter	Requirement
Power rating	100-240 VAC, 50/60 Hz, 12 A 200-240 VAC, 50/60 Hz, 6 A (rated for China, India, and Korea) 100 VAC, 50/60 Hz, 12 A, 1050 W (rated for Japan) 110-240 VAC, 50/60 Hz, 10 A (rated for Taiwan)
AC input coupler	C14
Inrush current	80 A Maximum @240 VAC
Power consumption	4K7-HS: 850 W Maximum 4K10-HS: 1250 W Maximum

Physical specifications

Learn the dimensions and weight of the projector.

Description	
Projector size	
Overall size (L x W x H) (excluding lens, feet)	600 mm (23.6 in) x 520 mm (20.5 in) x 214 mm (8.4 in)
Overall size, shipping without lens (L x W x H) (includes packaging)	905 mm (35.6 in) x 760 mm (29.9 in) x 365 mm (14.8 in)
Projector weight	
Without lens	34.0 kg (74.86 lbs)
Shipping without lens (includes packaging)	44.5 kg (97.98 lbs)
Operating position	
360 degrees front to back and portrait capable	Free orientation and no tilt range constraint.

Accessories

Learn about the accessories (sold separately) available for the projector.

Lenses

Projection lens	Part number
Standard lens 1.20-1.73:1	140-136101-XX
Optional lens 0.85-1.02:1	140-135100-XX
Optional lens 1.70 - 2.12:1	140-109101-XX
Optional lens 2.12 - 2.83:1	140-110103-XX
Optional lens 2.83 - 5.66:1	140-111104-XX
Optional lens 5.66 - 10.18:1	140-116109-XX

Other accessories

Optional accessories	Part number
Wireless dongle	133-113106-XX / 140-134109-XX
Christie One Mount Plus	140-117100-XX
One Mount Extender Rod	121-125109-XX
One Mount Rigging kit	121-126100-XX
Christie One Rigging Frame	140-113106-XX
Christie One Aluminum Rigging Frame	140-137102-XX
Fog filter module	003-006596-XX

Environment

Learn about the environment requirements for projector while operating and not operating.

Operating environment	
Temperature	0°C to 40°C (32°F to 104°F)
Humidity (non-condensing)	10% to 85% RH
Altitude	10,000 ft maximum at 0 to 30°C (32°F to 86°F)

Non-operating environment	
Temperature	-10°C to 60°C (14°F to 140°F)
Humidity (non-condensing)	5% to 90% RH

Regulatory

This product conforms to the following regulations related to product safety, environmental requirements and electromagnetic compatibility (EMC).

Safety

- CAN/CSA C22.2 No. 60950-1-07 - Information Technology Equipment – Safety – Part 1: General Requirements
- ANSI/UL 60950-1-2014 – Information Technology Equipment – Safety – Part 1: General Requirements
- IEC/EN 60950-1 – Information Technology Equipment – Safety – Part 1: General Requirements

Laser safety

- IEC 60825-1:2014 – Safety of Laser Products – Part 1: Equipment Classification and Requirements
- IEC 62471:2006 – Photobiological safety of lamps and lamp systems
- IEC 62471-5:2015 – Photobiological safety of lamps and lamp systems – Part 5: Image projectors
- FDA 2015-02 – Immediately in Effect Guidance Document: Classification and Requirements for Laser Illuminated Projectors (LIPs)

Electro-magnetic compatibility

Emissions

- FCC CFR47, Part 15, Subpart B/ANSI C63.4, Class A - Unintentional Radiators

- CAN ICES-3 (A/B) / NMB-3 (A)
- CISPR 32:2014/EN 55032:2014, Class A - Information Technology
- IEC 61000-3-2/EN61000-3-2 - Limits for Harmonic Current Emissions
- IEC 61000-3-3/EN61000-3-3 - Limitations of Voltage Changes, Voltage Fluctuations, and Flicker

Immunity

- CISPR 24: 2010/EN55024:2010 - EMC Requirements - Information Technology Equipment

Environmental

- EU Directive (2011/65/EU) on the restriction of the uses of certain hazardous substances (RoHS) in electrical and electronic equipment and the applicable official amendment(s)
- EU Directive (2012/19/EU) on waste and electrical and electronic equipment (WEEE) and the applicable official amendment(s)
- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and the applicable official amendment(s)
- China Ministry of Information Industry Order No.39 (02/2006) on the control of pollution caused by electronic information products, hazardous substances concentration limits (SJ/T11363-2006), and the applicable product marking requirement (SJ/T11364-2006)