

Mirage 4K40-RGB 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 website. Read all instructions before using or servicing this product.

Mirage 4K40-RGB

1. Access the documentation from the Christie website:
 - Go to this URL: [bit.ly/2C6H4HZ](https://www.christiedigital.com/en-us/business/products/projectors/3-chip-dlp/3d-projectors) or <https://www.christiedigital.com/en-us/business/products/projectors/3-chip-dlp/3d-projectors>.
 - 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 this product is available in the following documents.

- *4K40-RGB Product Safety Guide (P/N: 020-102957-XX)*
- *Mirage 4K40-RGB Installation and Setup Guide (P/N: 020-103014-XX)*
- *Mirage 4K40-RGB User Guide (P/N: 020-103015-XX)*
- *Mirage 4K40-RGB Status System Guide (P/N: 020-103030-XX)*
- *Mirage 4K40-RGB Serial Commands Guide (P/N: 020-103028-XX)*
- *4K40-RGB Service Guide (P/N: 020-102960-XX)*

Display

Learn about the display specifications.

Description	
Panel resolution and refresh rate	
Pixel format (H x V square pixels)	4096 x 2160
Processing path	Pixel rate: Maximum 530M pixel/second 60 Hz display rate Up to 12-bit per color
Achievable contrast ratio	450:1 ANSI Up to 2000:1 with High Brightness lenses Up to 5000:1 with Ultra High Contrast lenses
Color and grayscale resolution	
Displayable colors	35.2 trillion
Grayscale resolution	45 bits total linear, 15 bits per pixel
Nominal white point	x = 0.313 +/- 0.010 y = 0.329 +/- 0.010
Nominal gamma	2.2 +/- 5%

Control signal compatibility

Ethernet port	
Interface	
Connector	Female RJ-45

3D sync	
Connector	BNC Male
Interface	TTL inputs and outputs

RS232 in	
Connector	9-pin subminiature D, female
Bit rate	115,200 bps
Data format	1 start bit, 8 data bits, 1 stop bit, no parity

GPIO	
Connector	DE-9 Male
Interface	CDS GPIO/3D Trigger Support - 7bit configurable

Wired remote	
Connector	3-pin XLR female
Interface	Custom

Optional input cards

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

Input card	Part number
Core3 option cards	
Dual 3G SD/HD-SDI (3GIC)	108-313101-02
Dual Link DVI (DDIC)	108-312101-XX
Twin DisplayPort (TDPIC)	108-451101-XX
Twin HDMI (THIC)	108-311101-XX
Coer4 option cards	
High Bandwidth Multi-Input Card (HBMIC)	144-116109-XX
Quad Display Port Input Card (QDPIC)	144-114107-XX
Terra SDVoE Input Card (TSIC)	144-132107-XX



The -01 version of the Dual 3G SD/HD-SDI card is not supported.

Power requirements

Learn the power requirements for Mirage 4K40-RGB.

Parameter	Requirement
Rated voltage	200 - 240 VAC
Rated current	20 A maximum
Line frequency	50-60 Hz
AC input coupler	IEC 309, 30 A/250 VAC

Physical specifications

Learn the dimensions and weight of the projector.

Description	Dimensions
Projector size	
Overall size, case only (L x W x H)	950 x 711 x 488 mm

Description	Dimensions
(excluding lens, stack, and feet)	37.4 x 28.0 x 19.2 inches
Overall size (L x W x H) (includes skid)	1219 x 959 x 864 mm 48.0 x 37.8 x 34.0 inches
Projector weight	
Without lens	120 kg (265 lbs)
Shipping without lens (includes packaging)	145 kg (320 lbs)
Operating position	Omni-directional

Accessories

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

Lenses

Projection lens	Part number
High brightness lenses	
0.72:1 HB fixed	144-110103-XX
0.9:1 HB fixed	144-111014-XX
1.13-1.31:1 HB zoom	144-103105-XX
1.13-1.66:1 HB zoom	144-129103-XX
1.31-1.63:1 HB zoom	144-104106-XX
1.45-2.17:1 HB zoom	144-130105-XX
1.63-2.17:1 HB zoom	144-105107-XX
1.95-3.26:1 HB zoom	144-131106-XX
1.99-2.71:1 HB zoom	144-106108-XX
2.71-3.89:1 HB zoom	144-107109-XX
3.89-5.43:1 HB zoom	144-108100-XX
Ultra high contrast lenses	
0.72:1 UHC fixed	163-116109-XX
0.9:1 UHC fixed	163-117100-XX
1.13-1.66:1 UHC zoom	163-118101-XX
1.45-2.17:1 UHC zoom	163-119102-XX
1.95-3.26:1 UHC zoom	163-120103-XX
2.71-3.89:1 UHC zoom	163-121105-XX
3.89-5.43:1 UHC zoom	163-122106-XX

Filters and coolant

Description	Part number
Radiator dust filter	003-006463-XX
Light engine filter	003-006464-XX
Coolant Propylene Glycol 740	003-005179-XX

Line cords

Description	Part number
Cord NA 250V/30A IEC309 (North America)	108-395108-XX
Cord CN 250V/30A IEC309 (China)	108-396109-XX
Cord KN 250V/30A IEC309 (Korea)	108-397100-XX
Cord JP 250V/30A IEC309 (Japan)	108-398101-XX
Cord EU 250V/32A IEC309 (Europe)	108-429106-XX
Cord AU 250V/32A IEC309 (Australia)	108-434102-XX

Other accessories

Description	Part number
IR remote	003-120918-XX
Mystique	900-100285-XX
Lens mount harness	003-112597-XX
Driver set	003-005250-XX
Rigging handles	163-125109-XX
Mirage Upgrade kit	163-129103-XX
Rigging Couplers kit	163-128102-XX

Environment

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

Condition	Specification
Operating environment	
Ambient temperature	5 to 40°C (41 to 104°F)
Ambient humidity (non-condensing)	10 to 80% relative humidity
Altitude	3000 meters (9843 feet) maximum at 5 to 25°C ambient
Non-operating environment	

Condition	Specification
Ambient temperature	-25 to 70°C (-13 to 158°F)
Ambient humidity	10 to 90% RH

Regulatory

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

Safety

- ANSI/UL 60950-1 – Information Technology Equipment – Safety – Part 1: General Requirements
- CAN/CSA C22.2 No. 60950-1-07 – Information Technology Equipment – Safety – Part 1: General Requirements
- IEC/EN 60825-1 – Safety of Laser Products – Part 1: Equipment Classification and Requirements
- IEC/EN 62471-5 – Photobiological safety of lamps and lamp systems – Part 5: Image projectors
- UL 60950-1 – Information Technology Equipment – Safety – Part 1: General Requirements

Electro-magnetic compatibility

Emissions

- CAN ICES-003 (A)/NMB-003 (A) – Information Technology Equipment (Including Digital Apparatus) – Limits and Methods of Measurement
- CISPR 32:2012/EN 55032:2012, Class A – Electromagnetic Compatibility of Multimedia Equipment – Emission Requirements
- FCC CFR47, Part 15, Subpart B, Class A – Unintentional Radiators
- IEC 61000-3-11/EN61000-3-11: Limitations of Voltage Changes, Voltage Fluctuations, and Flicker for equipment with rated current ≤ 75 A
- IEC 61000-3-12/EN61000-3-12: Limits for harmonic current emissions for equipment for systems with input current > 16 A and ≤ 75 A per phase

Immunity

- CISPR 24:2010/EN55024:2010 EMC Requirements – Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurements

Environmental

- China Ministry of Information Industry (along with 7 other Government Agencies) Order No.32 (01/2016) on the control of pollution caused by electronic information products, hazardous substances concentration limits (GB/T 26572 - 2011), and the applicable product marking requirement (SJ/T 11364 - 2014).

- 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 on the registration, evaluation, authorization and restriction of chemicals (REACH) and the applicable official amendment(s).