

# Christie Mirage HD20K-J

Christie Mirage HD20K-J – HD (1920 x 1080) – 3-chip DLP® – Part number: 132-017121-XX

Image	brightness	• 18,000 ANSI lumens (20,000 center lumens) ±10%
	contrast	• 1600-2000:1 full field • 650:1 ANSI (typical)
	uniformity	• 80% brightness uniformity
Display	type	• 3-chip 0.95" DMD
	native resolution	• HD (1920 x 1080)
	frame delay	• As low as one frame
Lamp	type	• 3kW Xenon Bubble pre-aligned lamp module
	estimated life	• 750 hrs
Input	standard	• Slot 1-2 populated, standard: two Dual Link DVI-D (330 MHz) input cards (each has VGA (165 MHz) for 3D or dual input 3D compatibility) with HDMI 1.3 receiver • Slot 3-4 unpopulated
	optional	• Analog BNC • Dual-link DVI • SD/HD-SDI • Video Decoder • Twin HDMI • DMX512 interface card
	signals	• HDTV formats VGA through to WQXGA (2560 x 1600) • Accepts all current 2D HDTV/DTV formats (optional input module may be required) • HDMI 1.3 receiver supports mandatory HDMI 1.4a 3D modes of operation plus 24-144Hz triple flash 3D mode • Multi-standard video decoder • Horizontal and vertical scaling, all inputs
	pixel clock	• 330 MHz
	scan rates	• Horizontal: 15-120kHz • Vertical: 23.97-150Hz (frame lock maximum 120Hz) • 48-60Hz frame doubled or dual input 3D • 96-120Hz frame rate up to 1920 x 1200 • 24-144Hz triple flash 3D
Inputs/outputs, control and networking		• RS-232 in/out • RS-422 in • Ethernet (10/100) • GPIO (RS-232 9 Pin male connector) • Built-in backlit LCD keypad • Remote control (with optional wired XLR connection)
Optical system		• Dust-sealed 3-chip DMD light engine • Motorized horizontal and vertical lens offset • Scheimpflug/Boresite (tilt) adjustment • Built-in light shutter • Tool-free lens insertion system
Lenses	fixed	• 0.67:1 HD/WU ILS Lens* • 1.1:1 HD/WU ILS Lens
	zoom	• 1.16-1.49:1 HD/WU ILS Lens** • 1.4-1.8:1 HD/WU ILS Lens • 1.8-2.6 HD/WU ILS Lens • 2.6-4.1:1 HD/WU ILS Lens • 4.1-6.9:1 HD/WU ILS Lens • 6.9-10.4:1 HD/WU ILS Lens
	offsets <sup>1</sup>	• All lenses ±120% Vertical ±54% Horizontal except those noted below * 0.67:1 fixed lens ±35%V ±12%H ** 1.16-1.49:1 zoom lens ±100%V ±40%H
Accessories	standard	• IR remote • Power cord • GPIO 3D sync cable
	optional	• 3kW Xenon lamp bare bulb kit • Bulb alignment tool • ILS lens adapter kit • CT lens mount • Yellow notch filter • Fog filters • Ceiling mount • Ceiling mount extension • Remote IR sensor
Enhanced feature sets		• Embedded Christie Twist™ • Intelligent Lens System (ILS™) • Advanced block artifact reduction • ChristieNET™ web interface • User-friendly, intuitive LCD keypad • Lamp memory module • User replaceable lamps • Advanced 10-bit processing • Automatic shut-off • Dust-sealed light engine • SNMP (simple network management protocol) • DHCP (dynamic host configuration protocol) • Liquid cooling • Setup lights • Hybrid stack • Compatibility with many legacy accessories
Power requirements	operating voltage	• 200-240 VAC 50/60Hz
	operating current	• 20A @ 200V
	power	• 4000W
	dissipation	• 13,650 BTU/hr
Dimensions	size	• (LxWxH): 32 x 24.5 x 16.5" (815 x 621 x 419mm)
	shipping size	• (LxWxH): 41 x 32.5 x 29.5" (1041 x 825 x 749mm)
	weight	• 160lbs (72.5kg) (without lens)
	shipping weight	• 200lbs (91kg)
Operating environment		• Temperature: 40-104°F (5-40°C) • Humidity: 20-80% non-condensing
Regulatory approvals		• Directives (EC) 2011/65/EU (RoHS); 2012/19/EU (WEEE); Regulation (EC) No. 1907/2006 (REACH) • CAN/CSA C22.2 No. 60950-1 • UL 60950-1 • IEC 60950-1 • FCC, Part 15, Subpart B, Class A • EN55022/CISPR22 Class A • EN55024/CISPR24 • The product is designed to comply with the rules and regulations required for the product to be sold in various regional markets, including: USA/Canada, EU, Argentina, Brazil, Australia/New Zealand, Kuwait, China, Korea, Japan, Hong Kong, Mexico, Ukraine, Russia, India, South Africa, Singapore, UAE, and Saudi Arabia
Limited warranty		• Three years parts and labor (including light engine) • Contact an authorized Christie representative for full details of our limited warranty

<sup>1</sup> Values are for reference and should be validated with the Christie lens calculator.

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For the most current specification information, please visit [www.christiedigital.com](http://www.christiedigital.com)

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