

Mercury Quad WUXGA

18,000 ANSI / 20,000 ISO Lumens | Contrast Ratio: 2,000:1 | Part No:117-779

MERCURY QUAD DIGITAL PROJECTOR



THE VISIONARIES CHOICE

Colour System:

3-chip DLP®

DMD Specification:

1920 x 1200 pixels native, +/- 12° tilt angle
Fast transit pixels for smooth greyscale and improved contrast.

Display Type:

3 x 0.96" DarkChip™ DMD™

Aspect Ratio:

16x10

Fill Factor

87%

Key Features

Video & Graphics Processing

- DisplayPort accepts frame rates up to 120 Hz.
- HDMI 1.4 for Side by Side, Frame Packing & Top Bottom 3D formats.
- Image enhancement for MPEG, Mosquito noise & color transients in composite sources.
- Dual Flash Processing can be used to multiply the displayed frame rate for 3D sources.
- Dual Pipe Processing: two sources in parallel for left and right eyes via HDMI.
- Synchronisation of active glasses or polarising switcher.
- Blend and warp processing.

HDBaseT® Interface

- Built in support for transmission of uncompressed High Definition Video over standard CAT5e/6 LAN cable.
- Allows projector to be placed up to 80m from source with low cost cabling.

Geometry Correction

- Cornerstone, Vertical & Horizontal Keystone, Pincushion & Barrel, Arc, and Image Rotation.
- Blanking control for custom input window sizing.
- Fit source aspect ratio to screen aspect ratio.
- Non-linear warp for curved screens via Projector Controller application.

Edge Blending

- Blending control of all sides with width control.
- Electronic black level compensation.
- Correction for non-active pixels at the edge of the display.

Picture in Picture

- Two sources can be displayed either one within the other (PIP), or side by side, with original aspect ratios

maintained.

ColorMax™

- Accurate matching of projectors in tiled or blended applications.
- User selection and storage of primary and secondary color targets.

Projector Control

- Infra-red and wired remote.
- LAN control via protocol.
- Network control via hosted web page.
- Built-in ON/OFF timer for automatic start and switch off.
- Password Lamp Control.

Projector Controller Software

- Intuitive user interface for network control.
- Simultaneous control of user-defined groups of projectors.
- At-a-glance monitoring of projector status.

Source Compatibility:

HDMI including Deep Color™ processing and 3D standards.

3GSDI is SMPTE 292M, SMPTE 259M-C and SMPTE 424M compliant.

Graphics standards up to 1920 x 1200 resolution at 60Hz via HDMI and 120 Hz via DisplayPort.

Inputs/Outputs

Video & Computer			Communication & Control		
Type	Connector	Qty	Type	Connector	Qty
HDMI 1.4	HDMI	2	3D Sync Out	BNC	1
DisplayPort 1.1a	DisplayPort	1	3D Sync In	BNC	1
HDBaseT/LAN	RJ45	1	LAN (see HDBaseT)	RJ45	1
3G-SDI In	BNC	1	RS232	9-pin D Sub	1
3G-SDI Out	BNC	1	Wired Remote	3.5mm Stereo	1
			12V Trigger	Jack	2
				3.5mm Stereo	
				Jack	

NOTE: The LAN port is shared with HDBase-T.

3D Formats Supported

Frame Packing
Dual Pipe
Frame Sequential
Side By Side (half)
Top and Bottom

HDTV Formats Supported

1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility

Up to 1920 x 1200 60Hz (HDMI/HDBaseT)
Up to 1920 x 1200 120Hz (DisplayPort)

Bandwidth

165 Megapixels per second on HDMI and DisplayPort
295 Megapixels per second on DisplayPort

Remote Control

IR remote control, wireless and wired.
On-Board keypad

Automation Control

Crestron Room View® Connected
PJ Link
LAN
RS232
AMX (Device Discovery)

Colour Temperature

User selectable from 3200 to 9000K

Lamp Type	Typical Lamp Life
4 x 465W High Intensity Discharge	Full power: 2500 hours Eco mode: 3000 hours

Lenses

Lens	Part No.	Optimised Focus Range	Lens Shift
0.67:1 fixed HB	105-607	1.1m - 10m	Vert: 0.108 (U) 0.108 (D) frame, Hor: 0.044 (L) 0.044 (R) frame
1.12:1 fixed HB	105-608	3m - 15m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.16 - 1.49:1 zoom HB	109-236	3m - 15m	Vert: 0.408 (U) 0.408 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.39 - 1.87:1 zoom HB	105-610	4m - 24m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
1.87 - 2.56:1 zoom HB	105-611	4m - 24m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
2.56 - 4.16:1 zoom HB	105-612	9.1m - 45m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
4.16 - 6.96:1 zoom HB	105-613	12m - 80m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame
6.92 - 10.36:1 zoom HB	109-235	12m - 80m	Vert: 0.567 (U) 0.45 (D) frame, Hor: 0.188 (L) 0.188 (R) frame

Lens Mount

Motorised and programmable shift, zoom and focus. Intelligent Lens Memory.

Mechanical Mounting

Front/Rear Table
Front/Rear Ceiling
Adjustable Front/Rear Feet

Orientation

Table Top or Inverted: Yes
Pointing Up: Yes
Pointing Down: Yes
Roll (Portrait): +/-10° from horizontal

Power Requirements

110 - 240VAC 50/60Hz single phase
At 110V the projector runs a maximum of two lamps.

Power Consumption

2300 W

Thermal Dissipation

7850 BTU/Hour

Fan Noise

55 dBA

Operating/Storage Temperature

Operating: 0 to 35C (32 to 95F)
Storage: -20 to 60C (-4 to 140F)

Operating Humidity

20% to 90% non-condensing

Weight (Chassis Only)

41 kg
90 lb

Dimensions

L: 69.1 cm W: 51 cm H: 31 cm (excl. handle)
L: 27.2 in W: 20.1 in H: 12.2 in (excl. handle)

Safety & EMC Regulations

CE, FCC Class A, UL, CCC

Accessories

Accessory	Part No.
Lamp & Housing	116-378
4 Lamp & Housing incl. Filter Set	118-586
Infrared Remote (replacement)	117-780
Replacement Filter Set	116-847
Rigging Frame	117-705

**Dimensions included for reference only and are subject to change. Please download the full set of CAD files for this display for more accurate information.*

Downloads

[User Guides](#)

[User Guides German](#)

[User Guides French](#)

[Important Information](#)



Certificate Number 13629
ISO 9001

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