Mercury Quad WUXGA (Preliminary)

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

MERCURY QUAD
DIGITAL PROJECTOR

THE VISIONARIES CHOICE

Colour System:	DMD Specification:
3-chip DLP®	1920 x 1200 pixels native, +/- 12° tilt angle Fast transit pixels for smooth greyscale and improved contrast.

Display Type:	Aspect Ratio:
3 x 0.96" DarkChip™ DMD™	16x10 **Fill Factor** 87%

Key Features

Video & Graphics Processing

- DisplayPort accepts frame rates up to 120 Hz.
- 24p and 1080p native display.
- 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		
Type	**Connector**	**Qty**
HDMI 1.4	HDMI	2
DisplayPort 1.1a	DisplayPort	1
HDBaseT/LAN	RJ45	1
3G-SDI In	BNC	1
3G-SDI Out	BNC	1

Communication & Control		
Type	**Connector**	**Qty**
3D Sync Out	BNC	1
3D Sync In	BNC	1
LAN (see HDBaseT)	RJ45	1
RS232	9-pin D Sub	1
Wired Remote	3.5mm Stereo Jack	1
12V Trigger	3.5mm Stereo Jack	2

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

3D Formats Supported	HDTV Formats Supported
Frame Packing Dual Pipe Frame Sequential Side By Side (half) Top and Bottom	1080p (23.98Hz, 24Hz, 25Hz, 29.97Hz, 30Hz, 50Hz, 59.94Hz, 60Hz), 1080i (50Hz, 59.94Hz, 60Hz), 720p (50Hz, 59.94Hz, 60Hz)

Computer Compatibility	Bandwidth
Up to 1920 x 1200 60Hz (HDMI/HDBaseT) Up to 1920 x 1200 120Hz (DisplayPort)	165 Megapixels per second on HDMI and DisplayPort 295 Megapixels per second on DisplayPort

Remote Control	Automation Control
IR remote control, wireless and wired. On-Board keypad	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.	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	Orientation
Front/Rear Table Front/Rear Ceiling Adjustable Front/Rear Feet	**Table Top or Inverted:** Yes **Pointing Up:** No **Pointing Down:** No **Roll (Portrait):** No

Power Requirements	Power Consumption
110 - 240VAC 50/60Hz single phase At 110V the projector runs a maximum of two lamps.	2300 W

Thermal Dissipation	Fan Noise
7850 BTU/Hour	55 dBA

Operating/Storage Temperature	Operating Humidity
Operating: 0 to 35C (32 to 95F) Storage: -20 to 60C (-4 to 140F)	20% to 90% non-condensing

Weight (Chassis Only)	Dimensions
41 kg 90 lb	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