#TheMH43 – Mirror Head 43 Panasonic PT-RQ25K Series

A tool the industry has been waiting for. – Align and move projection positions to create fascinating shows by adding a Mirror Head to a 3-Chip DLP laser projector by Panasonic, like the PT-RQ25K, PT-RZ24K and similar models.

Unlock the full potential of your projector. – Use the Mirror Head to deflect projections into multiple directions with a single projector. Reach more surfaces and project content across an entire room or any environment.

Optimized for professional show integrators. – Our state-of-the-art products are made in Austria to guarantee reliable performance and accurate projection positioning, making them powerful tools to operate at industry-levels of efficiency.

Ideal for temporary or permanent use. – The dynamic projection technology is used to design impactful visual installations and to provide flexibility when choosing the positions where video projectors are mounted.

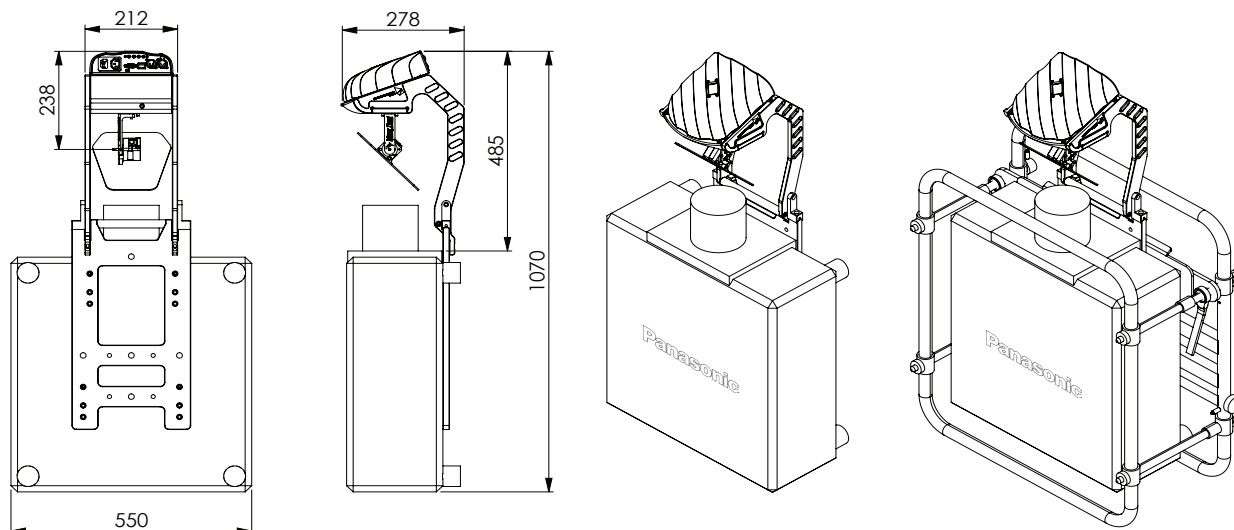# SPECIFICATIONS MIRROR HEAD MH43 WITH PANASONIC PT-RQ25K

Figure with Frame ET-RFD65 / EVO P17

MECHANICAL SPECIFICATIONS

Fixture dimensions (W/D/H)	550 x 1070 x 278 mm
Fixture total	48 kg
Projector PT-RQ25K + ET-D3LEW10 Zoom Lens	41 kg
Mirror Head MH43	7 kg
Fixture total with Frame ET-RFD65 / EVO P17	64 kg

PROJECTOR COMPATIBILITY

PT-RQ25K	4K (3840 x 2400) / 20,000 lm
PT-RZ24K	WUXGA (1920 x 1200) 20,000 lm
PT-RQ18K	4K (3840 x 2400) / 16,000 lm
PT-RZ17K	WUXGA (1920 x 1200) 16,000 lm

IMPORTANT NOTE: For information about the specifications, operations and use of the projector carefully read the instruction manual of your projector.
https://panasonic.net/cns/projector/products/rq25k

ELECTRICAL SPECIFICATIONS

INPUT POWER 100-240V / 2-1A / 50-60Hz,
Max. 10A (3-prong C14 male socket)
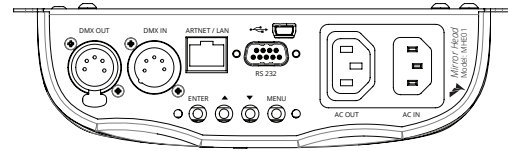POWER CONSUMPTION
Max. 17W
Standby mode 3W

⚠ Caution! There are no user serviceable parts (fuse) inside this unit.
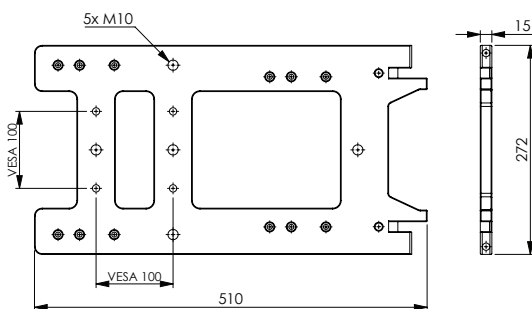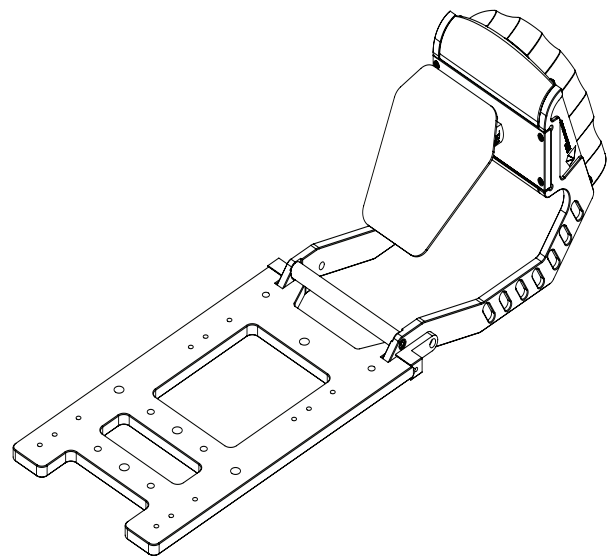
ITEM NUMBER: MH43

- Package dimensions (W/D/H):
  590 x 380 x 380 mm
- Package weight: 9,2 kg
- Package includes: Mirror Head unit, Base Plate MHB-4301, QIG, RS232 cable, A/C power cable, mounting screws and spacers, metric hex key 2 and 5 mm.

LENS COMPATIBILITY LIST

Lens Type	D3LEW60(+)	D3LEW10	D3LES20	D3LET30	D3LET40	D3LET80 (++)
Throw Ratio 4K/16:10	1.11-1.32:1	1.52:2.07:1	2.0-2.9:1	2.88-5.61:1	5.54-8.90:1	8.83-16.6:1

Lens Type	D75LE6(+)	D75LE10	D75LE20	D75LE30	D75LE40	D75LE8 (++)
Throw Ratio 4K/16:10	1.11-1.32:1	1.56-2.01:1	2.0-2.9:1	2.89-5.61:1	5.55-8.86:1	8.83-16.6:1

(+) Can be used with the "Mirror Wide" but with a limited PAN range. (++) To be compatible use the Miror Head Lens Extension MHZ-LE8.

Due to optical reasons, we recommend a throw ratio over 1.5:1 to use the maximum movement spectrum of the beam deflection. It is also possible to use a lower throw ratio with certain limitations, such as: Limited mirror movement range, partial image use, spill of image edges, digitally resizing and cropping image. The mirror can be exchanged to a wider one.
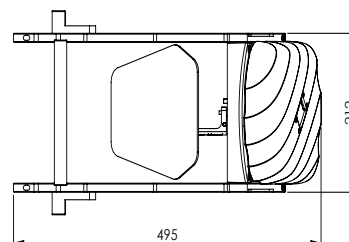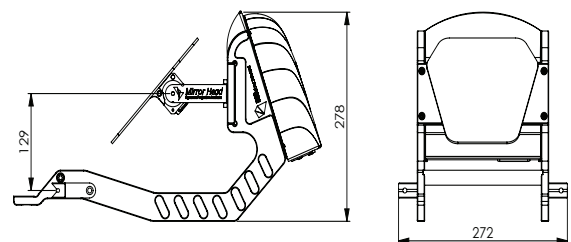
MIRROR HEAD SPECIFICATIONS / FEATURES

- High resolution 16bit PAN / TILT mirror movement
- DMX-512 control over 14 DMX channels
- DMX-IN and DMX-OUT / Through port
  (5-pin male and female XLR connectors)
- At least 5 channels are required to control the unit
- Art-Net™ connection (RJ45) (Art-Net™ designed by
  and Copyright Artistic License Holdings Ltd.)
- High resolution micro step motors with maintenance
  free direct drive
- Self calibrating mirror position for high accuracy
- Absolute reposition accuracy smaller than 0.02°
- Movement accuracy: PAN and TILT from the same direction
  to the programmed point within approximately 0.01°
- RS232 remote control connection for projector
  (D-sub 9 male) - cable included
- Flash-able firmware (Mini USB OTG)
- High resolution LED-Display for easy configuration
- LED-Display back-light auto turn off for energy saving
- Coated mirror for optimum reflection ~98% refraction factor
- Optimized mirror optics for the specific projector
- Passive cooled system (excluding projector)
- Environmental tolerances: Ambient operating temperature
  range: 5° – 35°C, Humidity: 20% – 80% (non-condensing)
- Quick, secure and easy snap-in mounting
- Anodized light metal construction
- Pre-installed DPCC web interface for dynamic projection
  show creation
- HTTP Control protocol

Control unit / MHE01

The MHB-4301 supports 5 x M10 threads and
VESA 100 with 4 x M6, max. screw depth = 15mm.

To protect the environment, please try
to recycle the packing material
as much as possible.