

DREAMPANEL TWIN



AYRTON
Digital Lighting



DREAMPANEL TWIN

017550

Imagine display

The DREAMPANEL TWIN is a hybrid luminaire with the MAGICPANEL on one side and the DREAMPANEL SHIFT on the other. Capable of continuous double rotation on the pan and tilt axes, the DREAMPANEL TWIN can alternate between displaying high-definition video images and 3D volumetric lighting effects. The 6 mm pitch of the video side offers the perfect balance of definition required to display video media on stage, of screen size for enabling full HD, and of overall system brightness. The MAGICPANEL side has improved resolution thanks to an 8 x 8 matrix featuring patented 45 mm diameter collimators that can obtain a full 6° angle and centre-beam luminous intensity of over 73 candelas per lumen, a record achievement.

The innovative 45 mm optics enable the DREAMPANEL TWIN to achieve almost the same performance as the MAGICPANEL-R by offering a much higher 64-pixel resolution, ideal for mapping effects. The video side uses the same array as the DREAMPANEL SHIFT and is equipped with 4,096 RGB LED emitters. Their black casing and internal reflector provide absolute contrast and allow for breathtaking graphic effects, while avoiding stray reflections from the other emitters. The two sides are controlled completely separately-the video side through the entirely new HDMI DREAMPANEL HD-BOX control system, whilst the MAGICPANEL side used for 3D volumetric effects, along with the pan and tilt movement, is managed by Art-Net or sACN through an Ethernet link.

OPTICS

Creative solution side

- Beam aperture: 6°
- 85% optic efficiency
- 64 x 45 mm PMMA collimator optic

LIGHT SOURCE

Creative solution side

- 64 x 500 lumens RGBW LED source
- Luminaire output: up to 25,000 lumens
- Luminous intensity: 1,775,000 cd

Imaging display side

- 4,096 multi-chip RGB LED source
- Pixel resolution: 64 x 64
- Pixel pitch: 6 mm
- Brightness: 3,500 nit (cd/m2)

Imaging display side

& Creative solution side

- Rated life (L70): up to 40,000 hours
- Flicker-free source

MOVEMENT

- Highly accurate positioning
- Resolution: 8- or 16-bit
- Smooth movement
- Pan and tilt with automatic repositioning
- Range: infinite pan & tilt rotation

COLOURS

Creative solution side

- Sophisticated 4 colours RGBW mixed
- 4.29 billion colours (8 bit resolution)
- Virtual colour wheel
- Dynamic colour macro effect

Imaging display side

- 16.7 million colours
- 8 bit colour control
- 14 bit internal colour control
- Colour calibration of each pixel

EFFECTS

Creative solution side

- 2D & 3D graphical effects capabilities
- Built-in pattern effects

DIMMER / STROBE

Creative solution side

- Electronic dimmer from 0 to 100%
- Strobe effect: 1 to 25 flashes per second

SOFTWARE FEATURES

Imaging display side

- Panel control via DREAMPANEL HD-BOX
- Geometric configuration via software

HARDWARE FEATURES

- Graphic LCD display with flip function
- 6 menu buttons to set the functions
- Integrated LumenRadio™ receiver
- Neutrik® HDMI 1.3a connectors
- etherCON RJ45 connectors
- powerCON TRUE1 connectors

CONTROL

- DMX 512 protocol
- DMX-RDM compatible
- ArtNet™ & sACN protocol
- HDMI compatible
- Local control panel
- 4 DMX modes (18 to 272 DMX channels)

POWER SUPPLY

- 100 to 240 Volts – 50/60 Hz
- Power: 1,100 W maximum

COOLING SYSTEM

- Advanced cooling system
- Self-adjusting variable speed fans
- Selectable ventilation user modes
- Excess-temperature protection

HOUSING

- Skeleton in aluminium and steel plates
- Moulded covers in ABS PC (V0 class)
- Two-side handles
- Four heavy-duty feet
- IP20 protection rating
- Exterior finish: black (Carbon)

INSTALLATION

- Two Omega ¼ turn brackets
- Four ¼ turn mounting points
- Safety cable attachment point

OPERATING PARAMETERS

- Operating positions: all
- Maximum temperature: 45 °C (113 °F)
- Minimum temperature: -10 °C (14 °F)
- Minimum usage distance: 2.5 m (8.20 ft)

COMPLIANCE

- EMC Directive 2014/30/EU
- LVD Directive 2014/35/EU

SIZE

- Product: 473 x 641 x 407 mm (l x h x d)
- Foam: 559 x 662 x 367 mm (l x h x d)

WEIGHT

- Product: 23.8 kg

PRODUCT CODE

- 017550: DREAMPANEL TWIN



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