DREAMPANEL HD-BOX

AYRTON
Digital Lighting

DREAMPANEL HD-BOX IMAGING DISPLAYS

The DREAMPANEL™HD-BOX is at the heart of the system for the IMAGING DISPLAY line. It controls the entire DREAMPANEL™ family of products. The DREAMPANEL™HD-BOX receives the video signal, manages the entire system, and enables pixel-precise positioning of the tiles on a 1920 x 1080 pixel screen with real-time updating.

The advanced management system of the DREAMPANEL™HD-BOX centralises all the screen settings without requiring any individual configuration of the tiles themselves and accepts a large range of resolutions and input formats (DVI-D or HDMI), thus eliminating the need for external converters. A DMX-512 input allows the user to control certain functions through an external console.

The DREAMPANEL™HD-BOX is fitted with USB and Ethernet ports so that a PC can be connected for setting parameters. The HDMI DREAMPANEL™MANAGER software is fully Windows-compatible, enabling the user to configure the DREAMPANEL™ screen. The MANAGER can also be easily used to perform a remote update of the DREAMPANEL™HD-BOX software and of any type of screen in the DREAMPANEL™ family that uses the HDMI format. Fitted with an integrated video output, several DREAMPANEL™HD-BOX luminaires can be daisy-chained for controlling screens of over 1920 x 1080 pixels. The DREAMPANEL™HD-BOX is compatible with media transmission systems that use DVI-D or HDMI computer video output and that have the ability to resize as well as rotate a transmitted image.

VIDEO INPUTS

2 x HDMI (type A) Input
- 720p, 1080i, 1080p @ 50Hz & 60Hz
- Active loop-through output of all input signals, including EDID
- EDID version 1.3 compatible
- Not supported: HDCP, CEC

2 x DVI-D Input
- Up to 1920 x 1080 @ 60Hz (148.5MHz pixel clock)
- Active loop-through output of all input signals, including EDID
- EDID version 1.3 compatible
- Not supported: HDCP, CEC

VIDEO OUTPUTS

4 x Neutrik® HDMI 1.3a connectors
- Proprietary AYRTON format on an HDMI connectors
- Large displays can be driven by combining multiple outputs
- Each output can drive a different type of AYRTON Imaging Display
- HDMI cables as the primary connection to displays up to a maximum cable length of 40m (Cable tested: Klotz HDMI A - HDMI A - Ref: HA-HA-L40)

1 x Neutrik® HDMI 1.3a connector
- 1080p preview monitor

REMOTE CONTROL
- Remote management from Windows software
- 1 x Ethernet RJ-45 connector
- 1 x USB-B connector
- 1 x XLR 5 pin male and female connectors for DMX 512 remote

INTERNAL PROCESSING
- 12 bits per colour
- Canvas size: 1920 x 1080 pixels
- System latency: 4 frames from input to display, including scaling
- Adjustable colour temperature between 2,000K and 11,000K

SOFTWARE FACILITIES
- Panel software facilities access via graphic LCD touch screen
- Geometric panel configuration via HDMI DREAMPANEL MANAGER
- System fully compatible with all media systems (media server) with scale-downed image size (scaling mode)
- Image rotation capabilities: 360° by step of 1°
- Internal software update

HARDWARE FACILITIES
- Graphic LCD touch screen for control and special functions settings
- Status monitoring in the front panel
- Power supply Input through PowerCON TRUE1 connectors

POWER SUPPLY
- Electronic supply with active PFC
- 110 to 240 Volts - 50/60Hz
- Power 60 Watt max

HOUSING
- Rack 19" - 2U made of steel metal plates
- Front panel in extruded anodized aluminium profile
- IP20 protection rating
- Exterior finish: black (Carbon)

OPERATING PARAMETERS
- Operating positions: mounted in a 19" rack
- Maximum permitted ambient temperature (Ta max): 45°C (113°F)
- Minimum permitted ambient temperature (Ta min): -10°C (14°F)

COMPLIANCE

EU (EMC)
- EN 55015 (2006) - EN 55015 A2 (2009)
- EN 61547 (2009) - EN 61000-3-2 (2006)
- EN 61000-3-2 A2 (2009) - EN 61000-3-3 (2008)

EU (LVD)
- EN 60598-1 (2008) - EN 60598-2-17 (1989)
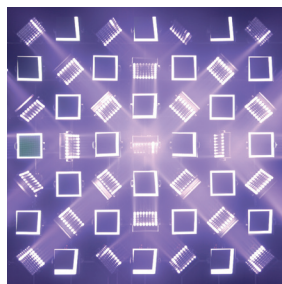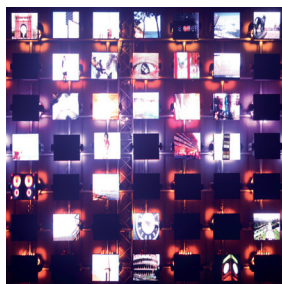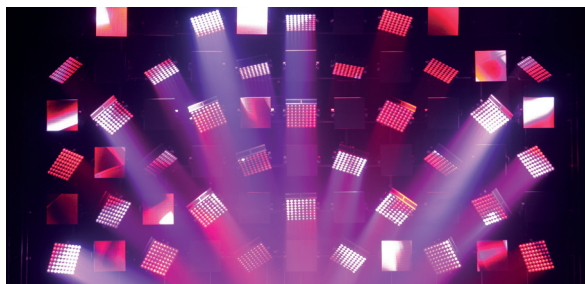- EN 60598-2-17 A2 (1991)

SIZE
- Rack 19" - 2U
- Product: 481 x 88 x 295 mm (l x h x d)

WEIGHT
- Product: 4.3 KG

PRODUCT CODES
- 028820: DREAMPANEL HD-BOX IMAGING DISPLAY

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