DREAMPANEL HD-BOX

AYRTON

Digital Lighting

DREAMPANEL HD-BOX   Imagine display
028830

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 input
- 720p, 1080i, 1080p @ 50 Hz & 60 Hz
- EDID version 1.3 compatible
- Not supported: HDCP, CEC

2 x DVI-D input
- Up to 1920 x 1080 @ 60 Hz
- EDID version 1.3 compatible
- Not supported: HDCP, CEC

VIDEO OUTPUTS

4 x Neutrik® HDMI 1.3a connectors
- Proprietary AYRTON format
- Large displays using multiple outputs
- HDMI cable length up to 40m

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

REMOTE CONTROL
- Management from Windows software
- 1 x Ethernet RJ-45 connector
- 1 x USB-B connector

INTERNAL PROCESSING
- 12 bits per colour
- Canvas size: 1920 x 1080 pixels
- System latency: 4 frames
- Image rotation capabilities: 360° by step of 1°

HARDWARE FACILITIES
- Graphic LCD display with flip function
- Status monitoring in the front panel
- powerCON TRUE1 connector

POWER SUPPLY
- 100 to 240 Volts – 50/60 Hz
- Power: 60 W maximum

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

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

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

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

WEIGHT
- Product: 4.3 kg

PRODUCT CODE
- 028830: DREAMPANEL HD-BOX

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