DigitalSpot 3000 DT

ROBE's DigitalSpot 3000 DT is the first Digital Moving Light Projector worldwide combining a LED-based Wash Light with a Digital Moving Light Projector. The fixture emits 2.700 ANSI lumens from a single 200W projection lamp with an awesome contrast ratio of 2,000:1 which is now available in an affordable and compact package featuring an additional REDWash Module (RED = Robe Emitted Diodes). DigitalSpot 3000 DT is an ideal tool for corporate events, clubs, TV and theater. It can be used in any application needing projected digital content, and the combination of the REDWash and projection effects means that the projection area can be framed in colours and textures from the LED wash elements while the projection remains in its original format.

DigitalSpot 3000 DT communicates active RDM. Menu configurations and DMX address patches are set up remotely from a computer running ROBE RDMNet software, linked via Robe's DreamBox USB interface - making battery powered displays obsolete.

Mechanical specifications

- Fixture dimensions (h x w x d): 614 x 533 x 431 mm
- Weight: 28 kg

Electrical specifications

- Power supply: Electronic auto-ranging
- Input voltage range: 100-120V/200-240V AC, 50/60 Hz
- Power consumption: 450 VA

Projector Specification

- Model: MP622
- Light output: 2.700 ANSI lumens
- Lamp: 200W
- Rated lamp life: 4.000 hours
- Aspect ratio: 4:3
- Resolution: XGA (1.024 x 768)
- Contrast ratio: 2.000:1 (full on/full off)
- Display technology: DLP by Texas Instruments
- Display colurs: Full 16.7 million colour palette

Environmental Specifications

- Operating ambient temperature range: 0-40°C
- Maximum housing temperature: 60°C

Connections

- Video inputs:
  - **Data projector:**
    - 1 x S-Video (Mini Din 4-pin)
    - 1 x Composite video (RCA)

  - **Graphic Engine:**
    - 1 x S-Video (Mini Din 4-pin)
    - 1 x Composite video (RCA)

- DMX data in/out: Locking 3-pin and 5-pin XLR
- 2 x USB 2.0 connector (series A)
- ArtNet: RJ 45 (Neutrik Ethercon)
- AC power input: 1.5 m power cord without plug

Hardware

- Motherboard: MSI G31M-F
- Processor: Intel Core2 Duo E6750, 2.66 GHz, 1333 MHz FSB
- Memory: 1GB RAM
- Graphics card: nVidia 8600 GT
- Video capture card: AverMedia DVD EZMaker
- Hard disk: Seagate Momentus 120 GB
- Gigabit Ethernet

Operation system

- Linux OS

Graphic engine

- 3 digital gobo layers for image and video control
- Graphic engine supports a combined total of more than 60.000 original and user-created videos/gobos usable on all gobo layers
- Individual X and Y positioning and scaling for each gobo layer
- Layer Media Control Modes (Copy, Add, Subtract, Multi, Minimum and Maximum)
- Banner Effects creating action scripts for Images or Videos
- Digital Iris effect + 160 Masking effects
- Full Key-Stone correction
- Digital strobe effect
- CMY Image and Video Colour Mixing and CTC (Colour Temperature Correction)
- 2 Gobo (Image) Effect Engines per Layer
- 2 independent effect channels on each gobo layer with more than one hundred of effects
- Huge amount of Default Images/Videos
- Import of User Images or Videos
- Supported Image Formats: JPG, TGA, PNG, GIF, PCX, PNM, XPM and LBM (max. 4096x4096 pixel)
- Supported Video Formats: MPEG1, MPEG2
- Effect video synchronization
- Preview of projecting output through interface
- Picture Merging effect in the field up to 8x8 segments
- Projection on to cylindrical/spherical surfaces and angular screens
- Video processing on all gobo layers from a remote streaming videos

Integrated LEDWash module

- Light source: 48 Luxeon Rebel LEDs (RGBW)
- Optical system: 25° beam angle
- RGBW colour mixing
- Adjustable strobe sequences
- Full range dimming

Control

- 5" TFT LCD display & Robe navigation system
- Web access for total control of fixture

Electromechanical effects

- Motorized focus
- Mechanical shutter

Pan/Tilt

- Pan movement range: 530°
- Tilt movement range: 280°
- 16 bit movement resolution
- Controllable speed of Pan/Tilt movement
- Automatic Pan/Tilt position correction
- Built-In Pan/Tilt macros

Rigging

- Mounting points: 2 pairs of ¼-turn locks
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/cord attachment point