

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 3.000 ANSI lumens from a single 200W projection lamp with an awesome contrast ratio of 2,500:1 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.



Technical Specification

Electrical specification

- Power supply: Electronic auto-ranging
- Input voltage range: 100 - 240V AC, 50/60Hz
- Power consumption: 520VA

Projector specification

- Model: Benq MP624
- Light output: 3.000 ANSI lumens
- Lamp: 200W
- Rated lamp life: 3.000 hours Normal Mode (4.000 hours Eco Mode)
- Aspect ratio: 4:3
- Resolution: XGA (1.024 x 768)
- Contrast ratio: 2.500:1 (full on/full off)
- Display technology: DLP by Texas Instruments
- Display colours: Full 16.7 million colour palette

Thermal specification

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

Connection

- 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 E8400, 3.00 GHz, 1333 MHz FSB
- Memory: 1GB RAM
- Graphics card: nVidia 9500 GT
- Video capture card: AverMedia DVD EZMaker
- Hard disk: Seagate Momentus 160 GB
- Gigabit Ethernet

Operating system

- Linux OS

Graphic Engine

- 3 gobo layers for image and video control
- The graphic engine supports 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
- Rotating and indexing with continuous rotation for each gobo layer
- Gobo layer transparency for smooth gobo layer cross-fading
- 2 Effect Engines per Layer with more than one hundred Effects
- Huge amount of Default Images/Videos
- Import of User Images or Videos
- 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)
- Adjustable playback speed, In frame and Out frame parameters for video playback
- Supported image file types: BMP, JPG, TGA, PNG, GIF, PCX, PNM, XPM and LBM (max 4.096 x 4.096 pixel)
- Supported video files: MPEG 1, MPEG 2
- Preview of projecting output through web interface
- Effect video synchronization
- Picture Merging effect in the field up to 64 segments in several different matrice configuration
- Projection onto cylindric/spheric surfaces and angular screens
- Video processing on all gobo layers from remote streaming video server
- 3 DMX Modes, max.136 DMX control channels
- Adjustable projector refresh rate to synchronize out put with videocamera's processing

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 systems

- 5" TFT LCD display & Robe Navigation System
- Web access for total control of fixture
- Media Content Synchronization in web interface
- Music-trigger

Electromechanical effects

- Motorized focus
- Mechanical shutter

Movement

- 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
- 2x Omega bracket with ¼-turn quick locks
- Safety chain/cord attachment point

Mechanical specification

- Height: 614 mm (24.2")
- Width: 533 mm (21.0")
- Depth: 431 mm (17.0")
- Weight: 28 kg (61.7 lbs)