

# DigitalSpot 3500 DT™

ROBE's Digital Moving Light DigitalSpot 3500DT is an enhanced version of the very successful DigitalSpot 3000DT retaining all the best loved features of the original unit, together with a host of new ones.

**Light source**

DLP 230W lamp + 48 RGB LEDs

**Light output**

3200 ANSI lumens

**Zoom range**

Aspect ratio 4:3

**Effects**

digital gobo wheel, effect wheel, videos, in-air effects, live input



New LCD based 3200 ANSI lumen, 5000:1 contrast ratio equipped projector provides powerful output with possible 3D capabilities when combining several units together. Despite it's light weight and small footprint, the Digital Spot provides large hard drive storage space for digital content (images, movies, textures and effects), Composite video input via BNC connector and now also comes with the possibility for optional DVI / VGA or SDI / ASI grabbing cards. Special design includes remote DMX controlled power on / off, CIP-MSEX protocol for preview of content thumbnails on DMX desks or enhanced network settings for remote access.

# Technical Specification

## Projector specification

- Model MX660
- Light output: 3200 ANSI lumens
- Lamp: 230 W
- Rated lamp life: 3500/5000 hours (normal/eco mode)
- Aspect ratio: 4:3
- Resolution: XGA (1024x768)
- Image size 24" to 300"
- Throw ratio: 1.86 - 2.04 : 1
- Contrast ratio: 5000:1 (full on/full off)
- Display technology: DLP
- Display colours: Full 16.7 million colour palette

## Electromechanical effects

- Motorized focus
- Mechanical shutter

## Control systems

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

## Hardware

- Motherboard: Gigabyte H55M-D2H
- Processor: Intel Core i3-540 BOX LGA1156
- Memory: 2GB DDR3-1600MHz
- Graphics card: Asus ENTG240/DI/512MD5/A
- Video capture card: AverMedia DVD EZMaker
- Hard disk: 2,5" 500 GB Seagate Momentus 7200.4 G-Force protection
- 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 Max.)
- 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

## 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

## Integrated LEDWASH Module

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

## CITP/MSEX

- CITP/MSEX protocol makes it possible to browse a media server with thumbnail previews of content as well as effects and to preview output from a controller or visualizer.

## Connection

- 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

## 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)

## Thermal specification

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

## Electrical specification

- Auto-switching power supply
- Input voltage range: 100 – 120V/ 200 – 240 V AC, 50/60 Hz
- Max. Power Consumption @ 230V: 420 W/440V A (I=1.87A, power factor=0.94)
- Fuse: T6.3 A

## Mechanical specification

- Fixture dimensions (h x w x d): 614 x 533 x 431 mm (24.2" x 21.0" x 17.0")
- Weight: 28 kg (61.7 lbs)

## Rigging

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