DigitalSpot 7100 DT™

DigitalSpot 7100 DT is ROBE's Digital Moving Light Projector, based upon LCD and LED technology. This unique combination of a digital projector and two powerful RGBW LED modules offers amazing digital gobo effects and the projection of highly saturated colours – all in a single moving light fixture. The DigitalSpot 7100 DT emits 7.000 ANSI lumens from a single 330W projection lamp with an awesome contrast ratio of 3,000:1. Each of its two LED modules consists of 48 Luxeon Rebel RGBW LEDs and provides an extremely bright light output across the full colour spectrum. Offering DVI input and SDI input/output, the DigitalSpot 7100 DT is aimed at the top level professional markets and applications. Its brightness makes it one of the highest output and most affordable digital moving light projectors currently available. The DigitalSpot 7100 DT is an ideal tool for all profesional entertainment and leisure applications including corporate events, concert touring, TV and theatres.

Electrical Specifications

- Auto-switching power supply
- Input voltage range: 100 - 120V/200 - 240V AC, 50/60Hz
- Power consumption: 800VA
- cETLus compliant
- CE compliant

Projector Specification

- Model: LX700
- Light output: 7000 ANSI lumens
- Lamp: 330 W NSHA
- Rated lamp life: 3.000 h (eco mode); 2.000 h (normal mode)
- Throw distance ratio: 1.8-2.4 : 1
- Contrast ratio: 3000:1
- LCD panel system: 1.3" TFT Active Matrix type, 3 panels
- Panel resolution: 1.024 x 768 dots
- Number of pixels: 2.359.296 (1.024 x 763 x 3 panels)

Hardware

- Motherboard: Supermicro C7Q67
- Processor: Intel® Core i3-3220 (3.3GHz, LGA1155)
- Memory:2GB RAM
- Graphics card: GIGABYTE GTX650 -1G
- Video capture card: AVerMedia DVD EZMaker Gold
- Hard disk: HDD SSD 2,5" 120GB Intel® 520 series SATAIII
- Gigabit Ethernet

Operation System

- Linux OS

Graphic Engine

- 4 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 Effect Engines per Layer with more than one hundred 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. 4096 x 4096 pixel)
- Supported Video Formats: MPEG1, MPEG2
- Effect video synchronization
- Preview of projecting output through web interface
- Picture Merging effect in the field up to 64 segments in several different matrice comfiguration
- Projection onto cylindrical/spherical surfaces and angular screens
- Video processing on all gobo layers from a remote streaming video server

Electromechanical Effects

- Zoom
- Focus
- Mechanical iris

Control

- 5″ TFT LCD display & Robe navigation system
- Web access for total control of fixture (user library management)
- Media Content Synchronization in web interface
- 169 control channels max.

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 macro effects

Integrated LEDWash Module

- Light source: 2 x 48 Luxeon Rebel LEDs (RGBW)
- Optical system: 25° beam angle
- RGB colour mixing
- Shutter and adjustable strobe sequences
- Full range dimming

Connections

Video inputs:

- Data projector: 1 x S-Video (Mini Din 4 pin), 1 x VGA (Mini D-sub 15 pin)
- Graphic Engine - Standard: 1 x S-Video (Mini Din 4 pin), 1 x Composite video (RCA)

- ○ Graphic Engine - Optional: DVI/ VGA or SDI/ASI or SDI/SDI
- DMX data in/out: Locking 3-pin and 5-pin XLRs
- ArtNet: RJ 45 (Neutrik Ethercon)
- AC power input: 1.3 m power cord without plug
- 2 x USB 2.0 (series A)

Rigging

- Mounting points: 4 pairs of ¼-turn locks
- 2 x Omega bracket with ¼-turn quick locks
- Safety chain/cord attachment point

Mechanical Specifications

- Height: 922 mm (36.3″)
- Width: 542 mm (21.3″)
- Depth: 629 mm (24.8″)
- Weight: 49 kg (108.0 lbs)