

DigitalSpot 7000 DT



DigitalSpot 7000 DT is ROBE's second 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 7000 DT emits 6.500 ANSI lumens from a single 330W projection lamp with an awesome contrast ratio of 2,000:1. 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 7000 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 7000 DT is an ideal tool for all professional 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/ 60 Hz
- Power consumption: 800 VA

Projector Specifications:

- Model: PLC-XP100L
- Light output: 6.500 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: 2000:1
- 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: MSI G31M-F
- Processor: Intel Core2 Duo E6750, 2.66 GHz, 1333 MHz FSB
- Memory: 1GB RAM
- Graphics card: nVidia 9800 GT
- Video capture card: AverMedia DVD EZMaker
- Hard disk: Western Digital 500GB Caviar SE16 3.5"
- 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 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. 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 8x8 segments
- 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)
Optional:
1 x DVI-D, 1 x VGA (Mini D-sub 15 pin)
1 x SDI/ASI (BNC)
- 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

Safety Specifications

- Height: 882 mm (34.7")
- Width: 542 mm (21.3")
- Depth: 629 mm (24.8")
- Weight: 48 kg (105.8 lbs)



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.

● Mechanical specifications

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

● 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 colours: 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 web 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





DigitalSpot 5000 DT

The highly versatile Robe DigitalSpot 5000 DT offers two digital gobo layers with the selection of up to 244 x 255 video clips or images per layer. Two independent effects channels on each gobo layer offer 120 effects including kaleidoscope, squeeze in/out, alpha or black flash, Gaussian filter, Laplacian filter, gobo disc mirror and colour key effects, etc. There ´s also individual X and Y positioning and a scaling (zoom effect) for each gobo player, plus rotating and indexing with continuous rotation for each gobo layer and adjustable playback speed. Additional functions include digital keystoneing, a CMY colour mixing system, strobe effect, mechanical iris, zoom and focus, digital iris and digital framing shutters. Supported video formats include MPEG1 and MPEG2, image formats PNG, TGA, JPG, GIF, PCX and BMP. S-Video and VGA inputs for direct video input to data projectors are handy for performing presentations; S-Video and Composite live inputs enable the use of graphics engine effects. The fixtures is aimed at all professional entertainment and leisure applications including concert touring, theatre and television productions, presentations of all types, clubs, multi-purpose venues and anywhere where there is a need to maximize the integration between moving lights and digital imagery.

Electrical Specification

- Power supply: Voltage 100-120V or 200-240V, 50/60Hz;
- Power consumption: 800 VA

Projector lamp

- 320W UHP

Projector Specification

- Throw distance: 1.4 m (4.6') - 14.7 m (48.3')
- Aspect ratio: 4:3
- Panel resolution: 1024x768 dots
- 5500 ANSI Lumen output

Video inputs

- Data projector: 1 x 15-Pin VGA, 1 x S-Video
- Graphic engine: 1 x S-Video, 1 x Composite

DMX inputs/outputs

- 3-pin and 5-pin XLR connectors

Other inputs

- 2 x USB 2.0 input
- RJ-45 input for Ethernet connection

Mechanical Specification

- Height: 729 mm (28,7")
- Width: 581 mm (22,9")
- Depth: 540 mm (21,3")
- Weight: 45 kg (99.2 lbs)

Thermal

- Operating ambient temperature range: 5 - 35°C

Control and Programming

- 5" TFT LCD display & Robe navigation system (RNS)
- Operation system: Linux
- Pan movement range 530°
- Tilt movement range 280°
- Pan/Tilt movement resolution: 16-bit
- Full remote configuration using www browser

Hardware

- MSI 945 GM3 motherboard
- 3 GHz Intel LGA775 Pentium 4 processor
- 1GB RAM
- Graphics card nVidia 7600GT
- Capture card WinFast VC 100XP
- Hard disc Western Digital 80 GB

Graphic engine

- Two digital gobo layers with selection up to 244x255 videos and images per layer
- 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 independent effect channels on each gobo layer with 120 effects
- Visual effects control for each gobo layer: Amount or speed
- Adjustable playback speed, In frame and Out frame parameters for video playback
- Common effects for both gobo layers: CMY control, strobe, KeyStones, zoom, focus, mechanical and digital iris, framing shutters positioning and rotating
- Effect synchronization
- Supported image file types: BMP, JPG, TGA, PNG, GIF, PCX (max. image resolution is 4096x4096)
- Supported video files MPG 1, MPG 2 (video resolution is limited to PAL)
- 86, 87 and 95 control channels
- Picture merging 8x8

Rigging

- Stands directly on the floor
- Mounts horizontally with 2 Omega brackets
- 4 truss orientation
- Safety chain/cord attachment point

