DL.3

The next generation of digital lighting

Key benefits

- 7,000 lumens LCD projector
- High contrast ratio
- Fully integrated digital media server
- Simultaneous playback of nine discrete media streams
- SDI input/output
- Choice of lenses
- Remote lens shift
- On-board industrial-grade Nightvision camera
- On-board infrared emitter
- Content Management application manages digital media files over Ethernet from Mac or PC
- Full color menu system
- True 3D graphics engine

Barco's DL.3 digital light takes projection technology to the next level with its integrated media server, and many exciting new features. The plug-and-play DL.3 digital light integrates a media server with a high-output QuaDrive optical engine, a highly sensitive HAD sensor camera and an infrared illumination system.

The DL.3 offers so many creative and labor-saving possibilities, it's a natural choice for a variety of markets – corporate events, concert touring, nightclubs, houses of worship – where flexibility needs are endless but time and budget are not.

HIGH END SYSTEMS

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A milestone in LCD lights

Barco's DL.3 is equipped with a 7,000 lumen QuaDrive LCD projector, making it the highest output for a LCD digital light. A high, 2200:1 contrast ratio results in a dark 'video black.' The projection possibilities on DL.3 are expanded with optional lens accessories for longer throw projection applications. It also includes an innovative, DMX-controlled vertical lens shift function. This reduces the amount of keystone correction required to produce a normalized image.

Meeting the expectations of sophisticated audiences

The DL.3 family sets the digital lighting standard with features such as the Collage Generator™, an integrated camera system, visual effects tools, high-resolution stock content libraries, and more than 1,400 lighting-optimized files. The DL.3's new software allows nine media layers. Design and creativity are further enhanced by a large number of effects banks, including particle effects and digital framing shutters.

Collage generator / Hi res detail
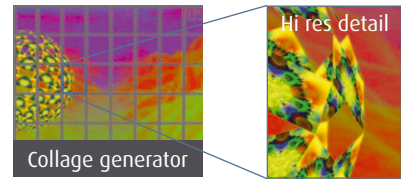
Create seamless images from multiple DL.3s, in a configuration of up to 16x8 arrays, with perfect edge blending. This feature allows larger projection with ultra-high resolution images, moving in perfect sync.

Two optional lenses are available for longer throw projection applications

Thousands of digital media files - still and video - are included.

Pixelation / Fuzzifier / Zoom blur / Faux LED

Some of the many available effects
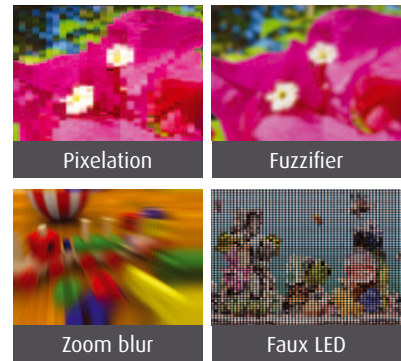*Also available: particle effects, prism, image scale & rotate, pan & scan, shake 'n bake, film roll, texture rotation, drop shadow, faux tile...*

Integrated camera, DMX controlled

On-board menu system with preview and diagnostics monitor

Easy content management

With a content management application running on your Mac, PC workstation or laptop computer, you can upload and cross-load content, upgrade software and configure multiple DL.3s on a fixture network – all remotely. Barco's DL.3 also has an SDI input/output for professional AV applications. New diagnostic gauges and improved menu functions assist with configuration and maintenance of the server and content.

Clean and simple

You can mount the DL.3 like any other intelligent moving luminaire and control it just as easily, with standard DMX cabling and protocols. Production set-up time is reduced, as there is no need for RGB cabling, and racks of servers are no longer necessary at front-of-house or backstage area. The DL.3 utilizes a large surface area HEPA filter used to protect the projection optics from theatrical haze and debris. This results in an extremely low cooling noise.

Curved surface support

The DL.3 corrects for shape distortions when projecting onto surfaces that are non flat.
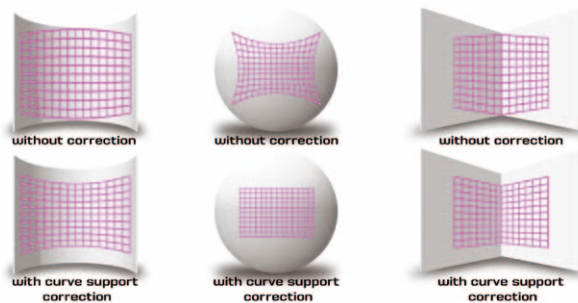
DL.3F - part of the family

The DL.3F features the same integrated media server and output capabilities as the DL.3, yet with reduced input/output capabilities. Although the new digital light does not include the DL.3's integrated camera system, the DL.3F does retain its predecessor's full range of media manipulation tools, stock content library and ease of maintenance, and adds highly attractive pricing aimed at the fixed-installation market.

Lighting and beyond...

Barco Lighting Systems offers the widest digital lighting product mix of any manufacturer, priced and scaled for any budget and solution. The DL.3 and DL.3F fixtures continue the evolution of state of the art digital lighting technology by providing extremely bright output coupled with a powerful integrated media server and media content package.

DL.3 technical specifications

SYSTEM

• DL.3 software based on Windows XP and DirectX technology
• Powerful Content Management and Configuration software can remotely manage multiple DL.3 fixtures
• Integrated Sony camera with Super HAD image sensor technology and infrared illuminator provides live video input and output from fixture location.
• Supports importing of custom content including: 3D objects, media files, still images.
• DMX512 and Art-Net support
• Remote software upgrade capability
• Royalty-free stock digital art collection featuring more than 1,400 lighting-optimized files
• RGBHV, SDI and S-Video connections accept a wide range of media device inputs

HARDWARE

• 17 motion parameters for mechanical fixture control include:
  · mechanical iris adjustment to full black-out
  · 400-degree pan and 240-degree tilt movement
  · DMX control of projector zoom and focus
  · DMX control of vertical lens shift
  · DMX control of camera functions
• Camera provides:
  · optical + digital zoom to increase image up to 216X
  · options for 1-30 frame captures per second
  · vertical and horizontal image invert
  · black and white, color negative and freeze frame
  · white balance including red and blue gain control
• Infrared illuminator allows video capture even in blackout settings
• Remote video input and output switching let you select live video from external source including another DL.3 fixture's camera feed
• Full color display and preview monitor/menu functions
• Gigabit Ethernet for fast content uploading and multiple fixture synchronization

GRAPHICS ENGINE

• Simultaneous playback of nine discrete media streams on separate 2D/3D objects
• Multiple modes for synchronizing all networked DL.3 fixtures
• 36 object parameters give you graphic controls for each individual media stream including:
  · A choice of multiple play modes and play speeds
  · The ability to define any segment of a video loop including Scrub capability
  · Multiple color mixing and visual effects that can be combined any way you choose
  · 3 effect banks allow multiple combinations of effects
  · Variable opacity to allow for crossfading or dissolves between media streams
  · Full control of image rotation, positioning and scaling on X, Y and Z axes
  · Visual modes let you control brightness and contrast to optimize content
  · Video input or camera capture you can apply to 2D/3D objects
• 52 global parameters provide graphic controls to the composite image created by up to 9 media streams
  · 5 effect banks allow multiple combinations of effects
  · Color effects including edge colors allow for combined image color mixing
  · Multiple mask selections with edge fading and strobe effects
  · Chromakey effects to layer any content by keying on any colormix to make transparant
  · Edge fading for creating montages
  · Keystone correction on output projection
  · Digital shutters on output projection
  · Viewpoint controls change viewing angle/perspective on images

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