RoadRunner
LX100

Affordable Brilliance and Professional Projection Quality

Building on the success of Christie's RoadRunner L6 and L8, the latest addition to the series, the LX100, steps up both brightness and performance levels to ensure your optimum presentation, no matter what the environment.

The LX100 provides an amazing 10000 ANSI lumens and a quad lamp light engine mode for bright, beautifully realistic images with no worries about reliability, perfect for Rental Staging and Fixed Installation environments. New 3D digital video processing, 90% brightness uniformity and an 1100:1 contrast ratio take your image presentation to the next level. The new Fast Lens Change (FLC™) mount is a robust new mounting system designed for no-fuss lens changes and easy set-up.

With an option of lamp usage, the LX100 offers the choice between projecting 10000 ANSI lumens for stunningly bright images, or 5000 ANSI lumens to extend the lamp life and provide built-in redundancy for failsafe operation.

Compatible with the new Real Color Manager (RCM) software, users can target and match the displayed color to specific gamma curves and reference monitors for a picture-perfect presentation and real-life images.

As one of the RoadRunner series, the LX100 is compatible with a full array of both video and data inputs, and as a Christie projector, offers flexible digital connectivity with a range of optional interface cards to eliminate picture noise and signal degradation. Through the connectivity of ChristieNET™ you can monitor lamp life, projector temperature and other vital functions from anywhere over any network for ultimate control and preventative maintenance.

- **Ultra-high brightness 10000 ANSI lumens**
- **High on/off contrast ratio up to 1100:1**
- **True XGA native resolution (1024 x 768)**
- **Scaling for VGA up to UXGA**
- **Range of optional input modules including DVI, SDI, HD-SDI**
- **Extensive lens suite**
- **Lens shift and digital keystone correction capability**
- **Lamp life of 1000 hours typical**
- **Optional ChristieNET™ connectivity for monitoring and control**

APPLICATIONS

- Staging applications
- Large auditoriums and churches
- Executive briefing and conference centers
- Training rooms
- Medical training theaters
- Government institutions

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RoadRunner LX100 • Specifications

Brightness
- 10000 ANSI lumens (typical, quad lamp mode)
- 5000 ANSI lumens (typical, dual lamp mode)
- 90% brightness uniformity

Contrast Ratio
- Up to 1100:1 on/off

Resolution
- 3 x 1.8" LCD TFT p-Si Active Matrix light engine with Micro Lens Array
- True XGA 1024 x 768 resolution
- 8-bit digital color processing offering 16.7 million displayable colors

Dynamic Scaling
- Digital scaling of VGA – UXGA resolutions
- Digital De-interlacing Technology of STV, DTV, and HDTV formats (DDT) with 2:3 pulldown

Horizontal Frequency
- 15 to 120kHz
- Automatic frequency control

Vertical Frequency
- 50 to 120Hz
- Automatic frequency control

- Accepts composite video, S-video and component video from VCR, DVD, laser disc players and video cameras
- Auto-detects PAL, PAL M, PAL N, NTSC, NTSC4.43m and SECAM video standards
- Accepts and displays all currently known DTV/HDTV formats; 480i, 480p, 720p, 1080i, 1035i via RGB or Y, PB, Pr connection
- HDTV compatible, 800 TV lines horizontal resolution
- Digital Visual Interface (DVI-D) compatible

Enhanced Feature Set
- Progressive scan video reproduction
- 3D digital noise reduction
- User-selectable 4 or 2 lamp mode
- Motorized zoom and focus
- Motorized lens shift (up and down)
- Picture freeze function
- "No-show" mode function
- Presentation timer
- Digital zoom function (min. x 1/4, max. x 49)
- Digital keystone function (+/- 30 degrees)
- Power management function
- Audio mute

Power Requirements
- Universal power AC 100 – 240V, 50/60Hz
- Operating voltage: 90 – 264V (100 – 120V / 200 – 240V +/- 10%)
- Power consumption: 1500W maximum
- Thermal dissipation: 5120 BTU/hr
- Operating temperature: 5° to 35° C (storage: -10° to 60° C)
- Operating humidity: 20 – 80% (storage: 0 – 90%)
- Acoustic noise level: 46dB (auto fan control for noise level reduction)

Weight and Size
- 81.6 lbs (35.5 kg)
- 22.9" W x 9.9" H x 30.8" L
- 581.2mm W x 251.5mm H x 783mm D

Standard Accessories
- Real Color Manager user-definable gamma software
- Wireless/wired remote controller with mouse control and laser pointer (two "AA" type batteries and cable included)
- User manual
- Computer cable (D-sub-15 – D-sub-15)
- MAC/VGA adapter

FEATURES

- *The LX100 is compatible with a full array of analog and digital video and data sources.*
- *Quad or dual-lamp mode with an outstanding 10000 ANSI lumens and an 1100:1 contrast ratio offer failsafe operation.*
- *The LX100 offers flexibility for any environment with optional lenses and input modules.*

Dot Clock
- 170MHz

Projection Lens
- A full suite of short/medium/long-fixed and zoom optional lenses
- Fast Lens Change (FLC™) mount has power adjustable zoom, focus, up/down, left/right shift
- Power lens shift max. U/D ratio of 10:0 to 0:10, max. L/R ratio of 11:9 and 9:11
- Image elevation adjustment: up to 5.7 degrees
- Screen size: 40" to 600" (0.15m to 15.24m) diagonal

Modular Inputs
- Input 1: Digital Visual Interface (DVI-I); audio – RCA x 2 (R, L/mono); control – 8-pin mini-DIN x 1
- Input 2: BNC x 5 (R, G, B, H, V and Y, Pb/Cb, Pr/Cr); audio – RCA x 2 (R, L/mono); control – 8-pin mini-DIN x 1
- Input 3: BNC x 2 (composite and S-video Y/C); 4-pin mini-DIN S-video; audio – RCA x 2 (R, L/mono)
- Input 4: analog RGB, D-sub-15 x 1; audio – RCA x 2 (R, L/mono); control – 8-pin mini-DIN x 1

Outputs
- Two built-in speakers 3W per channel
- Stereo audio loop-through RCA x 2

Source Compatibility
- Compatible with VGA, SVGA, XGA, SXGA, UXGA, Mac, SUN and SGI computer sources

Control/Networking
- Automatic Multi-Scanning Set-up system (AMSS) (phase/tracking/position)
- USB type B
- Remote control jack
- Built-in RS232-C control port and loop-through via 9-pin D-sub terminal (in/out)
- Wire remote control
- IR remote keypad with mouse and laser pointer
- Front and rear IR receivers
- Remote mouse control

Graphical User Interface
- Easy set-up and intuitive multi-language on-screen displays (OSD) (English/ German/French/Spanish/Italian/ Portuguese/Dutch/Swedish/Chinese/ Korean/Japanese)
- Direct-key status function
- Choice of image aspect ratios (4:3 or wide 16:9)
- Blue back display
- Standby on-screen logo display
- Picture reverse scans function (left/right, top/bottom) for front, rear and inverted projection

Lamp Specification
- Quad-lamp 250W UHP lamps with optional 4 and 2-lamp operation
- 1000 hours typical lamp life at maximum brightness
- Lamp life warning indicators
- User replaceable lamp

- Mouse control cable (PS/2, Serial and MAC)
- AC line cord x 2 (UL type and European 2P plug type)

Optional Accessories
- 0.8:1, 1.2:1 fixed lenses
- 1.3-1.8:1, 2.0-2.6:1, 2.6-3.5:1, 3.5-4.6:1, 4.6-6.0:1 zoom lenses
- 7.0:1 fixed lens
- Anamorphic Conversion lens adapter
- ChristieNET networking and control system
- SDI digital interface module
- DVI digital interface module
- 5 BNC module
- Y/C interface module, S-video
- 15-pin sub-D interface module
- HD-SDI digital interface module
- 10-bit Faroudja video processing module
- Ceiling mount
- Transit case
- 250W UHP lamp module
- Lens mount adapter kit

Regulatory Approvals
- Complies with all relevant worldwide EMC, EMI and safety standards
- The product complies with FCC Class A, CSA C22.2 No. 950, UL 1950, cUL and IEC950 (EN60950) European Norm.

Warranty
- Product warranty 2 years parts and labor (excluding lamp)
- Lamp warranty 120 days

Reliability
- Mean time between failure (MTBF) over 19000 hrs

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Due to constant research, specifications are subject to change without notice.

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