Brightness
- 4000 ANSI lumens (+/- 10%)
- 90% brightness uniformity across the screen

Contrast Ratio (1.5-2.2:1 zoom lens)
- 350:1 ANSI, 500:1 on / off

Resolution/Digital Processing
- 3 chip 0.9" DMD™, (Digital Micromirror Device) system
- True XGA 1024x768 chip resolution
- 13 bit user selectable gamma table
- More than 1 billion displayable colors

Dynamic Scaling
- Resizing capabilities to scale down from 1600x1200 and up from 640x480 to the XGA resolution of DMD
- Independent horizontal and vertical scaling adjustment for graphics and video inputs

Horizontal Frequency Range
- 15 to 120 kHz

Vertical Frequency Range
- 24 to 120 Hz

Field Interchangeable Optional Lenses
- Fixed short throw lens: 1.2:1
- Zoom lenses: 1.5-2.2:1, 2.2-4:1, and 4-7:1
- Up to 130% of vertical lens offset for off-axis projection (using a 2.5:4-1 lens)
- Up to 80% of horizontal lens offset (using a 2.5:4-1 lens)
- Compatibility with *Vista*GRAPHX lenses: 0.8:1, 2.5-4:1, 4-7:1 (adapter required)
- Screen size 1.5m - 12.2m (5ft - 40ft) diagonal

Lens Mount
- Motorized horizontal and vertical lens offset, focus and zoom adjustments
- Lens "bayonet-style" insertion system
- Lens mount tilt adjustment
- Built-in light shutter

Inputs
- Built-in RGB/YUV/YPbPr inputs allowing separate H and V syncs, tri-level sync, composite sync and sync-on-green/luma (5 BNC connectors)
- Multi-standard Video Decoder Module (NTSC 3.58, NTSC 4.43, PAL, PAL 60, PAL M, PAL N, SECAM) with one composite video input (BNC and RCA connectors) and one S-video input (two BNC and 4-pin mini-DIN connectors)
- Slot for an optional input module
- Full compatibility with Marquee Signal Switcher and third-party switchers

HDTV/DTV Compatibility
- Full HDTV/DTV compatibility on analogue RGB/YPbPr inputs
- Accepts 480i, 480p, 576i, 576p, 720p, 1035i, and 1080i formats at all applicable frame/field rates
- Accepts 1080p at 24, 25 and 30 Hz frame rates
- Optional HDTV Serial Digital Input Module

Various Keypads
- Standard hand-held IR backlit remote keypad, front and rear infrared sensors
- Built-in backlit keypad
- Optional RS422 two-way remote controller with LCD display using 6 pin XLR connector with range of 3000ft
- Optional wired backlit remote keypad with 3 pin XLR connector

Control / Networking
- Third party control system and switcher compatibility
- Dual RS232 ports for computer control, with loop through for connection of multiple projectors
- Dual 6 pin XLR RS422 ports for connection of optional LCD two-way controllers and loop-through to multiple projectors up to 600ft (183m)

Diagnostics
- Built-in LCD diagnostic display indicates operational status and error messages
- Power and Status LED
- Full diagnostics through RS232 9 pin D connector

Graphical User Interface
- Auto Set-up feature
- "Direct Access" intuitive user interface for complete projector control in 5 world languages
- On screen user movable menus to fit different image aspect ratios (4:3, 5:4, 16:9, etc.)
- On screen help menus
- 100 channel memories
- Auto power feature

Lamp Specification/Color Temperature
- 700W CERMAX® Xenon illumination system
- Pre-aligned lamp module
- Constant color temperature over the lamp life
- Color temperature adjustment range: 3200ºK to 9300ºK
- User replaceable lamp within 5 minutes
- Typical lifetime: 1,000 hours

Variable Lamp Power Supply/Light Output Control (LiteLOC™)
- "Auto Brightness" mode to maintain constant brightness over time
- "Lamp Conserve" mode to extend the lamp life
- "Max Brightness" mode for maximum light output

Power Requirements
- Line voltage 100V AC to 240 VAC +/- 10% @ 50/60 Hz
- Power consumption: 1200 W maximum
- Thermal dissipation: 3700 BTU/hr
- Operating current: 11.5A maximum (at 100 VAC)

Weight and Size
- 92lbs (41.8kg)
- 56.6cm (W) x 76.5cm (L) x 30.2cm (H) excluding handles
  22.28"(W) x 30.1" (L) x 11.88" (H) excluding handles

Standard Accessories
- IR remote keypad with batteries
- User's Manual with warranty card
- 2.44m (8ft) line cord

Optional Accessories
- Digital HDTV Input module (with loop through feature) compatible with all known HDTV formats
- Serial Digital Input (SMPTE 259M/CCIR 601) with loop through feature
- DVI/DFP Input module
- 10 bit ADP (Advanced Digital Processing) module
- Wired remote keypad
- Compatible with all Marquee Input modules
- RS422 Two-way remote LCD controller

Optional Accessories continued
- Replacement lamp module
- Remote infrared sensor
- Service Manual
- Librarian communication software
- Transit case
- Stacker Kit

Regulatory Approvals
- CSA, UL and European safety approvals
- North American and European EMI/EMC approvals

Warranty
- Two years parts and labor on projector (with RoadSERVICE membership)
- One year on projector light engine
- Accessories: One year
- Extended warranty available

Third Party Test Criteria
- ISTA, IEC 60068-2-64, ASTM D4169-96, MIL STD 810F (Shipping Vibration & Shock, while in Christie Digital Systems Transit Case)

ISO 9001-1994
Certificate #901

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

CHRISTIE
DIGITAL SYSTEMS

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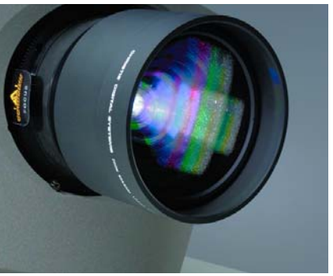
NA/February2002

Roadster X4
Rental Staging

CHRISTIE
DIGITAL SYSTEMS

Engineered for life on the road



Incredible horizontal and vertical lens offset

Lightweight and simple to use stacking kit

Minimal investment for a full suite of lenses

Christie Digital Systems' Roadster X4 has evolved, already an established and proven system for rental staging applications, this next generation staging projector boasts the most durable and dependable chassis yet. Passing rigorous and extensive 3rd party testing, the new ruggedized Roadster X4 is engineered for life on the road.

A workhorse projector outputting 4,000 ANSI lumens by way of a power saving 700W Xenon CERMAX® illumination system. The X4 delivers unmatched grayscale consistency and color temperature stability in a package that consumes almost 50% less power than its nearest rival, making event-staging projection accessible to even more venues.

Christie Digital's long-standing expertise employing 3-chip DLP™ technology enables you to take full advantage of the Roadster's digital capabilities. Fitted with a digital interface, the Roadster X4 can project a digital signal from source to screen without signal conversion – ensuring a 100% digitally perfect image reproduction every time. Making the Roadster X4 the ideal choice for projecting HDTV and DTV images as they were intended.

In keeping with our edict of offering purpose-built solutions, all models in the Roadster series are fitted with Christie Digital's proprietary Intelligent Lens System (ILS™) and LiteLOC™ facility. The former, a fully motorized lens system allows for the automatic recall of lens position and source parameters upon changing source, not only reducing set-up times but also making it possible to stage more sophisticated events with lower labor costs. While the latter gives you full control of the X4's programmable power supply.

The Roadster series is compatible with the widest range of sources and supported by a complete range of both fixed and zoom lenses (with bayonet-style insertion for fast lens change). And because the Roadster X4 has such tremendous lens offset and electronic keystone, the X4 can accommodate even the most demanding staging environment.

This off-set and keystoning capability combines well with the systems functional, unobtrusive design and compact size making it the ideal system for stacking solutions. The Roadster X4 can be easily flown via integrated fly-points or via a newly designed stacking rig, The X4's modular structure provides easy access to the X4's internal systems via a quick-release side panel – even when rigged to fly.

The Roadster X4 also shares a common modular architecture with all the other models in the Roadster series. If your projection needs change, your Roadster X4 projection system can change to meet them. The X4 can be upgraded at only an incremental cost and deliver stunning true SXGA resolution images at 6000 ANSI lumens.

Rugged, robust and reliable this 92lbs-workhorse projector takes the stress and strain out of event staging and is engineered for life on the road.

Roadster X4

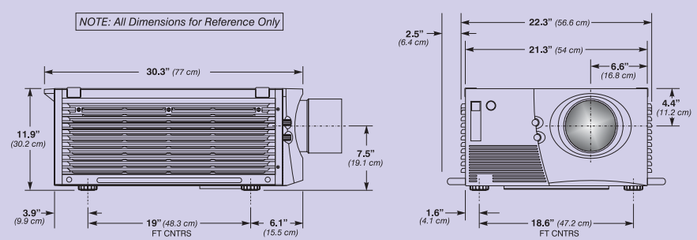
Carreras Charity Gala - Germany

Rental Club Waterscreen - Reading, UK

AA & Corus - London, UK

Roadster The World's 1st purpose-built projectors for Rental Staging

DLP® A TEXAS INSTRUMENTS TECHNOLOGY



Rear view of Roadster X4
showing LCD display panel and inset keypad

- ▶ Upgradeable to higher brightness and / or SXGA resolution
- ▶ Self-stacking
- ▶ Fully motorized lens mount
- ▶ Built-in Light Shutter
- ▶ Variable Lamp Power Supply
- ▶ Auto set-up
- ▶ Consistent image quality
- ▶ Light Output Control
- ▶ Low sound level
- ▶ Xenon illumination system
- ▶ Full HDTV and DTV compatibility
- ▶ Widest source compatibility, covering resolutions from VGA to VGX and HDTV
- ▶ Dynamic scaling
- ▶ Auto lock-in
- ▶ Universal AC voltage operation
- ▶ Optional lens suite
- ▶ 4000 ANSI lumens maximum
- ▶ ILS™ Intelligent Lens System

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