CHRISTIE Matrix 3000

Single-chip DLP™ For Optimum Simulation Performance

Uses

Military/civil flight simulation

Ground vehicle driving simulation

Ship bridge simulation

Air traffic control simulation

Train & heavy machinery simulation

Security training simulators

Architecture, engineering and construction

Research & development

Entertainment

The first dual-lamp single-chip DLP™ simulation projector, the Christie Matrix 3000 delivers bright, bold images, built-in connectivity and fail-safe reliability in a compact, cost-effective package.

With 3000 lumens and a variable SuperCR™ contrast ratio up to 4000:1, the Christie Matrix 3000 can simulate any application. Next generation SXGA$^+$ DLP™ display technology, 10-bit image processing and high-quality optics produce crisp, clean images. Internal edge-blending and image warping, higher input bandwidth and faster internal processing speed offer the widest compatibility. On-board ChristieNET™ provides monitoring and control of the projector.

With its quiet, compact size, dual lamp design, long lamp life and purpose-built simulation features such as RGB color matching, full control of gamma curves and less than one frame of propagation delay, the Christie Matrix 3000 offers cost-effective simulation display with the high-quality DLP™ technology images.

Christie Matrix – recreate reality!

Christie Matrix 3000

Specifications

DLP™ technology, 3000 lumens and built-in image warping and edge-blending provides all the features you need for the most demanding simulation projects.

IMAGE
- 3000 ANSI lumens (dual lamp)
- 1500 ANSI lumens (single lamp)
- 90% brightness uniformity across the screen
- SuperCR™ Contrast ratio: 1500:1 up to 4000:1 on/off contrast ratio with internal aperture

DISPLAY TECHNOLOGY AND RESOLUTION
- 1-chip 0.95" Darkchip2™ DMD
- DDR – Double Date Rate interface
- True SXGA+ 1400 x 1050 resolution
- 4:3 aspect ratio

INPUT SIGNAL COMPATIBILITY
- VGA through to QXGA (2048 x 1536)
- Accepts all current HDTV/DTV formats
- Multi-standard video decoder
- Horizontal and vertical scaling, all inputs

LENS MOUNT
- Motorized horizontal and vertical offset
- Tool-free lens insertion system
- Scheimpflug (tilt) adjustment
- Built-in light shutter
- Internal electromechanical iris

LAMP
- Dual Osram PVip 300W lamps
- Variable lamp power

POWER REQUIREMENTS
- 100 VAC to 240 VAC +/- 10% @ 50/60 Hz
- Power consumption: Single lamp: 480W; dual lamp: 840W
- Thermal dissipation: 3210 BTU/hr
- Operating current: 4.0A @ 100V; 2.0A @ 240V (single lamp) 8.4A @ 100V; 3.5A @ 240V (dual lamp)

DIMENSIONS
- Weight: 36 lb (16 kg)
- Size: 14.7" L x 20.1" W x 10.1" H (374.4mm L x 510.4mm W x 256.5mm H)

Fingertip control to key functions with easy access, single-press menu buttons make the Christie Matrix 3000 easy to use.

Quick release lens changes are easy to perform and completely tool-free.

SCAN RATES
- Horizontal – 15 kHz to 120 kHz
- Vertical – 23.97 Hz to 120 Hz

INPUTS
- RGBHV/YPbPr: 5 BNC
- DVI-I – digital/analog RGB/YPbPr (HDCP)
- 1 composite video, 1 S-Video
- Single option slot for analog/digital modules
- 2 RS-232 ports and 1 RS-422 port
- On-board ChristieNET™ connectivity (RJ45)
- Built-in backlit keypad and IR remote control

ADVANCED FEATURE SET
- Digital Color Management (DCM™)
- Custom Gamma Adjustment (CGA™) and grayscale tracking
- Comprehensive Color Adjustment (CCA™)
- Built-in Image Warping and Edge-Blending
- Picture in Picture
- Seamless switching

STANDARD ACCESSORIES
- Line cord
- Wireless remote unit with laser pointer
- User manual
- Computer cable (Dsub15 to DVI-I)
- DVI-D adapter
- S-Video cable
- ChristieTWIST™ Image Warping and Edge-Blending module

OPTIONAL ACCESSORIES
- Fixed lenses: 0.8:1, 1.2:1
- Zoom lenses: 1.3-1.7:1, 1.7-2.5:1, 2.5-4.0:1, 4.0-7.0:1 (full offset)
- Shipping case
- Ceiling mount
- Serial Digital Input module
- Dual SD/HD-SDI Input module
- DVI Input module
- Two-way controller
- Remote IR sensor
- Ethernet, RS-232, RS-422 cables
- Service Manual
- KoRE™ 10-bit module

REGULATORY APPROVALS
- UL/CSA/IEC 60950 (3rd edition)
- FCC Class A, CE, CCC (pending)
- This product conforms to all relevant European directives, standards, safety, health and environmental concerns

WARRANTY
- 2 years parts and labor (including light engine)

PICTURE BY DLP™ A TEXAS INSTRUMENTS TECHNOLOGY

For the most current specification information, please visit *www.christiedigital.com*

Corporate Offices

USA
10550 Camden Drive
Cypress, CA 90630
PH: 714-236-8610
FX: 714-503-3385
Toll free: 866-880-4462 (NA only)
sales-us@christiedigital.com

CANADA
809 Wellington Street North
Kitchener, Ontario N2G 4Y7
PH: 519-744-8005
FX: 519-749-3136
Toll free: 800-265-2171 (NA only)
sales-canada@christiedigital.com

Worldwide Offices

UNITED KINGDOM
PH: +44 118 977 8000
FX: +44 118 977 8100
sales-europe@christiedigital.com

GERMANY
PH: +49 2161 664540
FX: +49 2161 664546
sales-europe@christiedigital.com

FRANCE
PH: +33 (0) 1 47 48 28 07
FX: +33 (0) 1 47 48 26 06
Mobile: +33 (0) 6 76 47 43 62
sales-france@christiedigital.com

SINGAPORE
PH: +65 6877 8737
FX: +65 6877 8747
sales-singapore@christiedigital.com

SHANGHAI
PH: +86 21 6278 7708
FX: +86 21 6278 7707
sales-china@christiedigital.com

BEIJING
PH: +86 10 6561 0240
FX: +86 10 6561 0546
sales-china@christiedigital.com

JAPAN
PH: +81 3 3559 7481
FX: +81 3 3599 7482
sales-japan@christiedigital.com

CHRISTIE

WWW.CHRISTIEDIGITAL.COM

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