

Pro L1405U Laser WUXGA 3LCD Projector with 4K Enhancement

Projectors

Large Venue



Bright large-venue laser projector with virtually maintenance-free operation.

One measurement of brightness is not enough — look for both high color brightness and high white brightness. The Pro L1405U has:

Color Brightness: 8,000 lumens¹

White Brightness: 8,000 lumens¹

Exceptional Full HD widescreen display — native WUXGA (1920 x 1200) with 4K Enhancement² (3840 x 2400) for presentations, videos, digital signage and more

Solid-state laser light source — provides virtually maintenance-free operation up to 20,000 hours³

4K Enhancement Technology² — a revolutionary technology that accepts 4K signal and enhances 1080p for output that surpasses Full HD image quality

Versatile connectivity — supports the full range of inputs, including HDBaseT™, HDMI®, DVI-D, 3G-SDI, VGA and 5-BNC, for easy integration with any system

Nine optional interchangeable lenses — with powered lens shift and lens memory, including an ultra short-throw lens for shallow spaces (one lens included)

Web-based remote management — control and monitor projector status via a Web browser

Dynamic projection capabilities — advanced built-in Edge Blending, image warping and curved-surface correction technologies for a variety of applications

Professional installation features — full 360-degree installation flexibility, including Portrait Mode



Specifications

Projection System High-aperture Epson[®] 3LCD, 3-chip technology
Projection Method Front/rear/ceiling mount
Driving Method Poly-silicon TFT Active Matrix
Pixel Number 2,304,000 dots (1920 x 1200) x 3
Native Resolution 1920 x 1200 (WUXGA)
Resize 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050
Aspect Ratio Supports 4:3, 16:9, 16:10
Pixel Arrangement Cross stripe
Color Brightness¹ Color Light Output: 8,000 lumens
White Brightness¹ White Light Output: 8,000 lumens
Contrast Ratio 2,500,000:1 AbsoluteBlack™ (Full White 8,000 lm / Full Black 0 lm)
Brightness Uniformity (typical) 90%
Color Reproduction Up to 1 billion colors
Size (projected distance) 50" – 300"
Lens Shift Vertical: ±67%; horizontal: ±30%
Keystone Correction
 Vertical: ±45 degrees;
 horizontal: ±30 degrees
Illumination Technology Laser Phosphor
Light Source Life³ (Normal) 20,000 hours

Projection Lens (Standard)

See website for information on optional lenses.
Type Powered shift/focus/zoom
F-number 1.7 – 2.3
Focal Length 24.0 mm – 38.2 mm
Zoom Ratio Optical zoom 1 – 1.6x
Throw Ratio Range 1.45 – 2.32

Other Features

Operating Temperature 32° to 113 °F (0° to 45 °C)
Power Supply Voltage 100 – 240 V ±10%, 50/60 Hz AC
Power Consumption
 658 W (Normal Mode)
 434 W (ECO Mode)
 2.3 W Standby (Communication on)
 0.22 W Standby (Communication off)
Fan Noise
 35 dB (Normal Mode); max.
 29 dB (ECO Mode)
Security Security cable hole, lens lock, Kensington lock provision

Effective Scanning Frequency Range

Pixel Clock 13.5 MHz – 162 MHz (up to UXGA 60 Hz)
Horizontal 15 kHz – 92 kHz
Vertical 50 Hz – 85 Hz

Interfaces

3G-SDI x 1
 DVI-D x 1
 HDMI x 1
 HDBaseT x 1
 5-BNC, VGA x 1
 Audio in: Mini Stereo x 3
 Variable audio out: Mini Stereo x 1
 USB connector Type B x 1: For wireless only
 USB connector Type A x 1: For wireless only
 Monitor out: Mini D-sub 15 pin x 1
 Serial: RS-232c x 1

Video I/O

Display Performance NTSC: 480 line, PAL: 576 line (depends on observation of the multi-burst pattern)
Input Signal NTSC/NTSC4.43/PAL/M-PAL/N-AL/PAL60/SECAM/480i/576i/480p/576p/720p/1080i/1080p
Pixelworks[®] Video chip 3D Y/C separation, noise reduction, motion compensated, Interlace-Progressive conversion (2-2, 3-2 film detection)

Dimensions (W x D x H)

Including Feet, Lens 23.1" x 19.4" x 8.3"
Weight 42.4 lb without lens

Remote Control

Features Power, source search selection, lens shift, zoom, focus, test pattern selection, A/V Mute, freeze, user ID, auto, aspect, color mode, number, page up and down, E-zoom, volume, help, menu, enter, esc and pointer functions
Operating Angle
 Right/left: Front: ± 60 degrees; rear: ± 30 degrees
 Upper/lower: Front: ± 45 to ± 15 degrees;
 rear: ± 10 to ± 50 degrees
Operating Distance 49 ft

Eco Features

RoHS compliant
 Recyclable product⁴
 Epson America, Inc. is a SmartWay[®] Transport Partner⁵

Support

The Epson ConnectionSM
 Pre-sales support U.S. and Canada 800-463-7766
 Internet website www.epson.com

Service Programs

The projector has a limited warranty of 3 years or 20,000 hours, whichever comes first. Epson Road Service program with free Next-Business-Day replacement⁶, PrivateLine[®] dedicated toll-free support (U.S. and Canada only)



What's in the Box

Pro L1405U projector, a lens, power cable, computer cable (VGA), projector remote control with batteries, user manual CD, EasyMP[®] software CD, Quick Setup Sheet and lens lock screw

Ordering Information

Pro L1405U	V11H739120
Replacement air filter (ELPAF51)	V13H134A51
Ultra short-throw zoom lens	V12H004X01
Short-throw #1 zoom lens	V12H004U03
Short-throw #2 zoom lens	V12H004U04
Wide-throw #1 zoom lens	V12H004W05
Wide-throw #2 zoom lens	V12H004W06
Middle-throw #1 zoom lens	V12H004M08
Middle-throw #2 zoom lens	V12H004M09
Middle-throw #3 zoom lens	V12H004M0A
Middle-throw #4 zoom lens	V12H004M0B
Long-throw zoom lens	V12H004L08
Epson ceiling mount - low ceilings (ELPMB47)	V12H802010
Epson ceiling mount - high ceilings (ELPMB48)	V12H803010
False ceiling plate kit	ELPMBP02
Kensington security lock	ELPSL01
Distribution amplifier	ELPDA01
HDBaseT transmitter (ELPHD01)	V12H547020
Wireless LAN module (ELPAP10)	V12H731P02
1-year extended warranty	EPPEXPB1
2-year extended warranty	EPPTPB2

¹ Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118. | ² 4K Enhancement Technology shifts each pixel diagonally by 0.5 pixels to double the resolution to 3840 x 2400 and surpass Full HD image quality. | ³ 20,000 hours is the estimated projector life when used in Normal Mode. Actual hours may vary depending on mode and usage environment. The projector has a limited warranty of 3 years or 20,000 hours, whichever comes first. | ⁴ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁵ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | ⁶ Expedited shipping not available in all areas. Road Service orders must be in by 3 p.m. Eastern Time for Next-Business-Day delivery.

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