

Pro Cinema G6970WU 1080p 3LCD Projector



Projectors

Pro Cinema

The ultra bright HD home theater projector with HDBaseT™ plus SDI.

3x Higher Color Brightness¹, and reliable performance — 3LCD, 3-chip technology

One measurement of brightness is not enough — look for both high color brightness and high white brightness. The Pro Cinema G6970WU has:

Color Brightness: 6000 lumens²

White Brightness: 6000 lumens²

Cutting-edge HDBaseT™ and HD-SDI connectivity — easily integrate with any system; ideal for large-home installations

Six optional lenses with lens shift — including standard, rear-, middle- and long-throw lenses for complete flexibility and easy exchange

Advanced video processing — sharp HD images for videos, sporting events and more; features Faroudja DCDi Cinema® technology

Better-than-cinema experience at home — supports Full HD 1080p

Seamless control protocol support — compatible with Crestron®, AMX®, Extron® XTP® and Control4® Simple Device Discovery Protocol (SDDP)

Watch two HD connections at once — convenient Split Screen feature³

Industry-leading service and support — four-year limited warranty; projector includes Pro Cinema accessories kit with ceiling mount and spare lamp

Flexible installation and setup — centered lens design with vertical and horizontal lens shift with lens shift lock



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
Color Brightness² Color Light Output: 6000 lumens
White Brightness² White Light Output: 6000 lumens
Aspect Ratio Supports 4:3, 16:9, 16:10
Native Resolution 1920 x 1200 (WUXGA)
Resize 640 x 480, 800 x 600, 1280 x 1024, 1400 x 1050
Lamp Type 380 W UHE
Lamp Life⁴ (ECO Mode/Normal) Up to 4000/2500 hours
Pixel Arrangement Cross stripe
Brightness Uniformity (typical) 90%
Size (projected distance) 50" – 300"
Lens Shift Vertical: ±67 percent Horizontal: ±30 percent
Keystone Correction Vertical: ±30 degrees Horizontal: ±30 degrees
Contrast Ratio (High Brightness, Dynamic Mode) 5000:1
Color Reproduction Up to 1 billion colors

Projection Lens (Standard)

See website for information on optional lenses.
Type Manual focus/zoom
F-number 1.65 – 2.55
Focal Length 21.28 mm – 37.94 mm
Zoom Ratio Optical zoom 1 – 1.8
Throw Ratio Range 1.26 – 2.76

Other

Operating Temperature 32° to 113°F (0° to 45°C)
Power Supply Voltage 100 – 240 V ±10%, 50/60 Hz AC
Power Consumption
 528 W (Normal Mode)
 421 W (ECO Mode)
 3.3 W Standby (Communication on)
 0.41 W Standby (Communication off)
Fan Noise 39 dB (Normal Mode) max, 31 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

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-PAL/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)

Interfaces

HD-SDI x 1
 HDBaseT x 1
 HDMI® x 1
 DisplayPort™ x 1
 Computer: D-sub 15 pin x 1
 Composite Video: RCA x 1
 Component Video: BNC x 1
 S-video x 1
 Audio-in: Mini stereo x 3
 Audio-in: RCA (L&R) x 1
 Audio Out x 1
 Network: RJ-45 x 1, 100 Mbps Serial: RS-232C
 Hardwire remote jack x 1
 Monitor Out: D-sub 15 pin x 1



Dimensions (W x D x H)

Excluding Feet, Lens 19.88" x 15.04" x 5.67"
 Weight 19.6 lb
Including Feet, Lens 19.88" x 15.94" x 6.73"
 Weight 21.5 lb

Remote Control

Features Power, source search selection, computer, video, 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: ± 20 degrees Rear: +10 to +50 degrees
Operating Distance 49 ft

Eco Features

RoHS compliant
 Recyclable product⁵
 Epson America, Inc. is a SmartWaySM Transport Partner⁶

Support

The Epson ConnectionSM
 Pre-sales support U.S. and Canada 800-463-7766
 Internet website www.epson.com
Service Programs Three-year limited warranty, Epson Road Service program, PrivateLine[®] dedicated toll-free support (U.S. and Canada only) and 90-day limited lamp warranty

What's in the Box

PowerLite[®] Pro G6970WU projector, standard 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 Cinema G6970WU	V11H697020KB
Genuine Epson lamp (ELPLP76)	V13H010L76
Replacement air filter (ELPAF43)	V13H134A43
Standard throw zoom	V12H004S06
Long-throw zoom	V12H004L06
Middle-throw 1 zoom	V12H004M04
Middle-throw 2 zoom	V12H004M05
Short-throw zoom	V12H004U01
Rear projector wide fixed	V12H004R03
Quick Wireless Connect key (ELPAP09)	V12H005M09
Replacement remote control	158279900
Advanced projector ceiling mount with precision gear	ELPMBPRG
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 8" – 11"	ELPMB001
Distribution amplifier	ELPDA01
HDBaseT Transmitter (ELPHD01)	V12H547020
Wireless LAN module (ELPAP07)	V12H418P12

1 Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions. Leading Epson 3LCD projectors in the home entertainment segment (720p and 1080p) compared to leading 1-chip DLP projectors, based on NPD data for June 2013 through May 2014. | 2 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. | 3 Consult your user manual for input combinations. | 4 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. | 5 For convenient and reasonable recycling options, visit www.epson.com/recycle | 6 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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