

EX90

Multimedia Projector



Ultra bright
and reliable.



Features/Benefits

- Ultra bright 2600 lumens — perfect for use in any lighting
- Full-time color, no color breakup, no rainbows — 3LCD, 3-chip optical engine
- Razor-sharp quality, HD-compatible — native XGA resolution
- Extra flexibility — included carrying case and VGA-to-component video adapter
- Outstanding support — two-year limited warranty, next-business-day Road Service
- Energy efficient — long-life E-TORL™ lamp and low power consumption projector
- Simple setup — 1.2x optical zoom and auto keystone correction
- Convenient control — Instant On, Instant Off® and A/V Mute

Ordering Information

Product Name	Product Code	UPC
EX90 Multimedia Projector	V11H307220	0 10343 86865 6
Replacement lamp	V13H010L42	0 10343 86411 5
Replacement air filter	V13H134A13	0 10343 86412 2

EX90 Multimedia Projector Specifications

Projection System

High aperture Epson 3LCD technology

Projection Method

Front/rear/ceiling mount

LCD

Driving Method

Epson Poly-silicon TFT Active Matrix

Pixel Number

786,432 dots (1024 x 768) x 3 LCDs

Native Resolution

XGA

Aspect Ratio

4:3 (supports 16:9)

Pixel Arrangement

Cross stripe

Projection Lens

F-number

1.6 – 1.74

Focal Length

18.4 – 22.12 mm

Zoom Ratio

Optical zoom 1.0 – 1.2

Lamp

Type

E-TORL 170 W UHE

Life*

3000 hours (High Brightness Mode)

4000 hours (Low Brightness Mode)

Screen

Width Ratio (distance/width)

1.40 – 1.68 (4:3 aspect ratio)

Size (projected distance)

30" – 300" (2.7' – 34.2')

Keystone Correction

Automatic, 0 – 11 degrees vertical

Manual, ±30 degrees vertical

Brightness (High Brightness Mode)

Up to 2600 lumens (ISO 21118 Standard)

Contrast Ratio (High Brightness, Game Mode)

Up to 400:1

Brightness Uniformity (typical)

90%

Color Reproduction

16.77 million full-time colors

Dimensions (W x D x H)/Weight

Including Feet

12.9" x 9.6" x 4.3"

Excluding Feet

12.9" x 9.6" x 3.6"

Weight

6.0 lb/2.7 kg

Effective Scanning Frequency Range

Pixel Clock

13.5 MHz – 162 MHz

Horizontal

15 KHz – 92 KHz

Vertical

50 Hz – 85 Hz

Remote Control

Features

Source search, power, aspect, color mode, volume, e-zoom, A/V mute, freeze, menu, page up and down, help, auto

Display Performance

Native

1024 x 768

Resize

640 x 480

800 x 600

1280 x 1024

1400 x 1050

1600 x 1200

Video I/O

Display Performance

NTSC: 560 line

PAL: 560 line

(depends on observation of the multi-burst pattern)

Input Signal

NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/

SECAM

480i, 480p, HDTV: 720p, 1080i

Interfaces

Computer/Component video: Mini D-sub HD 15 pin

S-video: Mini DIN

Composite video: RCA

Composite audio RCA x 2

Monitor out

USB Type B (mouse and keyboard control)

Operating Angle (Remote)

Right/left ± 30 degrees

Upper/lower ± 15 degrees

Operating Distance

19.7 ft (6 m)

Other Features

Audio Output

1 W monaural

Audio Signal Input

500m Vrms/47K ohm

Operating Temperature

41° to 95° F (5° to 35° C)

Power Supply Voltage

100 – 240 V ±10%, 50/60 Hz AC

Power Consumption

248 W, 4.1 W standby (network off)

Fan Noise

35 dB (High Brightness Mode)

28 dB (Low Brightness Mode)

Security

Kensington®-style lock provision, anchor (metal) bar for security lock or cable, user logo protection function, password protection

Support — The Epson Connection™

Pre-sales Support

U.S. and Canada 800-463-7766

Internet Web Site www.epson.com

Projector resources available at presentersonline.com

Service Programs

Two-year limited warranty, 90-day lamp warranty, Epson Road Service Program and Epson PrivateLine® dedicated toll-free support (U.S. and Canada only)

Contents

VGA to component adapter, computer cable, projector remote control, batteries, soft carrying case, CD-ROM, Quick Setup Sheet, PrivateLine support card, password protection sticker

Accessory Part Numbers

Replacement remote	1456639
Universal projector ceiling mount	ELPMBPJF
Advanced projector ceiling mount with precision gear	ELPMBPRG
High security projector ceiling mount	ELPMBATA
Adjustable suspended ceiling channel kit	ELPMBP01
False ceiling plate kit	ELPMBP02
Structural round ceiling plate	ELPMBP03
Adjustable extension column (pipe) 6" – 9"	ELPMBC01
Security flex foot kit	ELPMBF01
Kensington security lock	ELPSL01
Distribution amplifier	ELPDA01
Component-to-VGA video adapter	ELPKC19
Component-to-VGA video cable	ELPSV01
S-video cable	ELPKS63
Swiss Gear backpack	V12H001K60
Simple Soft carrying case	ELPKS62
Wheeled soft case	ELPKS61
Soft shoulder case for projector and laptop	ELPKS58
ATA molded hardshell case	ELPKS58
50" portable screen	ELPSC06
60" portable pop-up screen	ELPSC0
80" portable pop-up screen	ELPSC08
83.6" classroom style pull-down screen	ELPSC09
Duet™ screen by Accolade	ELPSC08
Image Presentation Camera (ELPDC05)	V12H162020

* Lamp life results will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

Packaging Specifications

EX90 Multimedia Projector

Dimensions 16.8" x 14.9" x 7.2" (W x D x H)

Weight 11.7 lb

Replacement Lamp

Dimensions 6.3" x 5.5" x 5.6" (W x D x H)

Weight 0.7 lb

Master Carton

Dimensions 28.4" x 13.1" x 6.8" (W x D x H)

Weight 9.1 lb

Units Per Master Carton 10

Replacement Air Filter

Dimensions 3.9" x 1.2" x 4.9" (W x D x H)

Weight 0.88 lb

Master Carton

Dimensions 12.8" x 5.3" x 4.7" (W x D x H)

Weight 1.1 lb

Units Per Master Carton 10



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