EPSON®

EXCEED YOUR VISION

EX90

Multimedia Projector

The best selling projectors in the world

Epson Projectors

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

3LCD

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

Epson. The world leader in projectors.

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, 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	
Component-to-VGA video cable	ELPKC19
S-video cable	ELPSV01
Swiss Gear backpack	ELPKS63
Simple Soft carrying case	V12H001K60
Wheeled soft case	ELPKS62
Soft shoulder case for projector and laptop	ELPKS61
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	ELPSC80
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	