

Multimedia Projector
EMP-82
EMP-62

EPSON
 EXCEED YOUR VISION

*On the Move with
 Brilliance and Style*



2000 ANSI lm

XGA EMP-82
SVGA EMP-62



Speedy and Easy Operation

Single-Foot Release Lever

The well-balanced single-foot has an easily accessible release lever which allows the user to adjust the projection level with just one hand.



Quick Start-up

With EMP-82 & 62's surprisingly short 4-second start-up time, there is no need to wait around to view high-quality images.

Auto Keystone Correction +/-30°

Auto Keystone Correction automatically detects the projector's vertical angle and adjusts the vertical keystone distortion instantly.

Source Search

Merely push the "Source Search" button and the EMP-82 & 62 instantly recognizes signals and projects media from any source.

"Instant Off" Quick Shutdown

Simply press the power button and you can remove the projector immediately as cool-down by fan is not necessary. A helpful beep sound will let you know that the shutdown is completed.



Full Function

Powerful 5W Speaker

The built-in 5W speaker is powerful enough to deliver rich and clear sound to a class of 30 students.



Full Input/Output Functionality

The EMP-82 & 62's practical input/output alignment allows up to 4 different media sources (2 PC and 2 Video input connectors as well as the monitor and audio out connectors) to be connected at the same time.



7 Color Modes

| | | |
|---------------------|---------------|-------------------|
| Presentation | Photo | Blackboard |
| Theatre | Sports | |
| Game | sRGB | |

Other Features

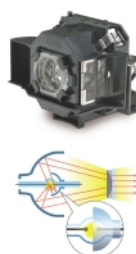
| | |
|--------------------------|-----------------------------------|
| 3m Power Cable | Large, Well-marked Buttons |
| 1.2x Optical Zoom | High Altitude Mode |
| Direct Power-On | |

**Compact and Bright
 - Epson's Innovative New E-TORL Lamp**

(E-TORL : Epson-Twin Optimize Reflection Lamp)

Epson's recently developed small, high performance "E-TORL" lamps efficiently gather and project light to effectively eliminate light-leakage and minimize light diffraction. This system combines an ellipsoidal reflector with an aspherical lens and a hemispherical mirror to produce a lamp so small and highly efficient that it is ahead of its time.

E-TORL



**Soft, Bright, Beautiful...
 3LCD Technology**

3LCD technology achieves brighter, more natural images and smoother, sharper video playback. No color break-up makes images gentler on the eyes.



3LCD projector 1-chip DLP™* projector

*DLP™(Digital Light Processing™) is a trademark of Texas Instruments Incorporated.

EMP-82 EMP-62

SPECIFICATIONS

| | | EMP-82 | EMP-62 | |
|---|----------------------------|---|--|--|
| Projection System | | RGB Liquid-Crystal Shutter Projection System | | |
| Specification of Main Parts | LCD | Size | 0.6 inch with MLA (x 3) | |
| | | Driving Method | Polysilicon TFT Active Matrix | |
| | | Pixel Number | 786432 dots (1024 x 768) x 3 | |
| | | Native Resolution | XGA | |
| Projection Lens | | Manual Focus & 1.2 x Optical Zoom | | |
| | | F=1.6 / f=18.4 - 22.1 mm | | |
| Lamp | Type | 170 W UHE | | |
| | Life | 2000 hours (High Brightness mode) / 3000 hours (Low Brightness mode) | | |
| Screen Size (Projected Distance) | | 30 to 300 inch [0.9 to 10.8 m] | | |
| Offset | | 10:1 | | |
| Brightness | | High / Low Brightness Mode 2000 ANSI lm / 1500 ANSI lm | | |
| Contrast | | 400:1 | | |
| Color Reproduction | | Full-Color (16.77 million colors) | | |
| Sound Output | | 5 W Monaural | | |
| Effective Scanning Frequency Range (Analog) | Pixel Clock | 13.5 MHz to 162 MHz | | |
| | Horizontal | 15 KHz to 92 KHz | | |
| | Vertical | 50 Hz to 85 Hz | | |
| Auto Keystone Correction | | Vertical : -30 to +30 degrees | | |
| Analog RGB I/O | Display Performance | Native | 1024 x 768 dots (XGA) 800 x 600 dots (SVGA) | |
| | | Resize | UXGA / SXGA / SVGA / VGA SXGA / XGA / VGA | |
| | Input Terminal | Video | D-sub 15-pin x 2 | |
| | | Audio | Stereo mini-jack x 2 | |
| | Output Terminal | Video | D-sub 15-pin x 1 | |
| | | Audio | Stereo mini-jack x 1 | |
| Video I/O | Input Signal | Video Standard NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM | | |
| | Input Terminal | Video | Composite Video: RCA (Yellow) x 1 S-Video: Mini DIN Component Video: D-sub 15-pin x 2 Video-RGB: D-sub 15-pin x 2 | |
| | | Audio | RCA x 2 | |
| | | I/O Terminal | Type B ver. 1.1 | |
| Serial I/O | Serial Terminal | mini D-sub 9 pin x 1 | | |
| Operating Temperature | | 5°C to 35°C <41°F to 95°F> | | |
| Operating Altitude | | Up to 7,500 feet <2,286 m> (over 4,921 feet <1,500 m> area: with High Altitude mode) | | |
| Start-Up Period | | 4 sec. | | |
| Cool-Down Period | | Instant off | | |
| Power Supply Voltage | | 100 - 240 VAC ±10% , 50 / 60 Hz | | |
| Power Consumption | | 100 - 240 VAC 50 / 60 Hz 2.9 - 1.2 A | | |
| Dimensions (D x W x H) | | 246 x 327 x 86 mm (Excludes Feet) | | |
| Weight | | Approx. 5.9 lbs. / 2.7 kg | | |
| Fan Noise | High / Low Brightness Mode | 36 dB / 30 dB | | |

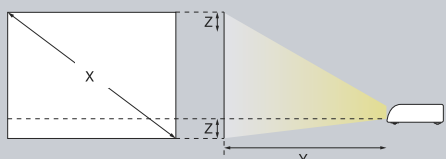
SUPPLIED ACCESSORIES

| | |
|--------------------------|--|
| Power Cable | 3.0 m |
| Remote Control | With AAA type alkaline batteries x 2pcs |
| Computer Cable | 1.8 m <6 ft>, AHD-15 pin type slim-cable |
| Soft Carrying Case | |
| Password Protect Sticker | |
| Owner's Manual | |

OPTIONAL ACCESSORIES

| | |
|---------|--|
| ELPLP34 | Spare Lamp |
| ELPAF08 | Air Filter Set |
| ELPKS16 | Soft Carrying Case |
| ELPKC02 | Computer Cable HD15/HD15 1.8 m |
| ELPKC09 | Computer Cable HD15/HD15 3.0 m |
| ELPKC10 | Computer Cable HD15/HD15 20.0 m |
| ELPKC19 | Component Video Cable HD15 / 3RCA (male) 3.0 m |
| ELPKC22 | HD-TV Cable HD15/D4 3.0 m |
| ELPSC06 | 50-inch Screen |
| ELPSC07 | 60-inch Screen |
| ELPSC08 | 80-inch Screen |
| ELPSC10 | 100 Type Screen |
| ELPMB18 | Ceiling Mount |
| ELPFC03 | Ceiling Plate |
| ELPFP04 | Pipe 370 mm Silver |
| ELPFP05 | Pipe 570 mm Silver |
| ELPFP06 | Pipe 770 mm Silver |

PROJECTION DISTANCE



| 4:3 Screen size | Shortest (Wide) | Longest (Tele) | Vertical distance from center of lens to bottom edge of screen |
|---|-----------------|----------------|--|
| X (screen size / dimension) | Y (cm / inch) | | Z (cm / inch) |
| 30" / 61 cm x 46 cm 24.0" x 18.1" | 87 / 34 | 105 / 41 | 4 / 1.6 |
| 40" / 81 cm x 61 cm 31.9" x 24.0" | 117 / 46 | 141 / 56 | 5 / 2.2 |
| 60" / 120 cm x 90 cm 47.2" x 35.4" | 177 / 70 | 213 / 84 | 8 / 3.2 |
| 80" / 160 cm x 120 cm 63.0" x 47.2" | 237 / 93 | 285 / 112 | 11 / 4.3 |
| 100" / 200 cm x 150 cm 78.7" x 59.1" | 297 / 117 | 358 / 141 | 14 / 5.4 |
| 200" / 410 cm x 300 cm 161.4" x 118.1" | 598 / 236 | 719 / 283 | 27 / 10.8 |
| 300" / 610 cm x 460 cm 240.2" x 181.1" | 899 / 354 | 1080 / 425 | 41 / 16.2 |

CONNECTOR PANEL

