

# EPSON®

# EMP-830 & EMP-835 PROJECTORS

MULTIMEDIA  
PROJECTORS



## A New Standard of Performance in Corporate Projectors

- Brilliant 3000 ANSI lumens
- Contrast Ratio 600:1
- Powered Zoom & Focus
- Wide 1.6x Zoom Ratio
- Easy & Quick Set-up
- 802.11g/b (54Mb) Wireless Connectivity (EMP-835 only)
- PC-free Presentation (EMP-835 only)



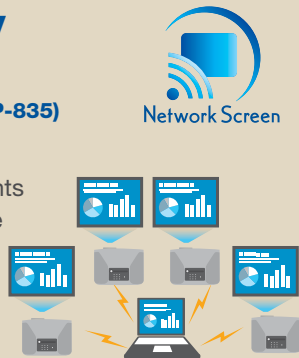
™  
**3 LCD**  
ADVANCED IMAGING TECHNOLOGY

Designed to suit a wide range of corporate presentation environments, the EPSON EMP-830 and EMP-835 projectors deliver superb brightness, quality, versatility and value. Both projectors incorporate cutting-edge features unique to EPSON, the leader in LCD projector technology.

## EasyMP Technology

### Wireless solution (EPSON EMP-835)

The EPSON EMP-835's high-speed wireless capability (802.11g/b) represents new levels of presentation performance and freedom. Capable of wirelessly connecting up to 4 projectors simultaneously – masses of tangled cables in presentation rooms are now a thing of the past.



### PC-Free Presentation (EPSON EMP-835)

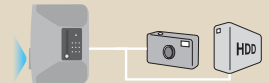
Straight forward connection of USB memory devices and PC cards containing pictures, presentations and movies (MPEG2) without the need for a PC. It's that simple.



## USB Storage Compatibility

Powerpoint presentations, JPEG and MPEG2 files can be projected directly from USB devices, such as Hard Disk Drives (HDD) and digital cameras.

Capable of projecting from USB devices

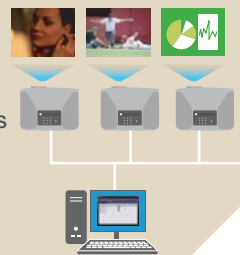


## Advanced Security (EPSON EMP-835)

Security is one of the most important issues in today's wireless environments. The EPSON EMP-835 has been designed with full support for WEP, WPA and LEAP encryption and authentication standards.

## Network Functionality

Both the EPSON EMP-830 and EMP-835 are ideal for networked environments, with EPSON's advanced networking technologies that feature automatic e-mail notification of projector problems, remote monitoring and single PC control over multiple LAN-connected projectors.



## Quick Set-up

### Auto Focus / Auto QuickCorner

The EPSON EMP-830 and EMP-835 are incredibly easy to set-up. Just a press of the "Quick Set-up" button and the projector will automatically size the image, correct the keystoneing and focus the picture.



### Wall Shot

One press of the "Wall Shot" button and the EPSON EMP-830 and EMP-835 automatically detect the colour of the projection surface and adjusts the image colour accordingly. Beautiful images can be projected even without a traditional white screen.



Background Colour

Before Wall Shot

After Wall Shot



## Convenient Installation Features

### Direct Power On / Off

Easily connect the EPSON EMP-830 or EMP-835 to a room's main power source, so that when you turn on the lights the projector is also activated. Unlike other projectors that require a cooling down period before they can be turned off or unplugged, the EPSON EMP-830 and EMP-835 can be safely turned off immediately. This means no waiting around for the projector to cool down.

### Preview Function

The preview function allows the user to view all connected sources (video, HDTV, Computer 1 and 2) at the same time.



Preview Function

## Full Input / Output Functionality

Up to 4 data sources, USB Type A / B and LAN can be connected simultaneously, and with the EPSON EMP-835 a PC card slot can also be used. With the monitor-out ports, multiple projectors can be used to show the same presentation on different screens at the same time. Added to this are audio-in ports for each input, removing the need to switch cables mid-presentation, as well as an audio-out port.

## Simple Lamp and Filter Replacement

Easy access for lamp and filter replacement makes maintenance incredibly simple, even with the projector mounted to the ceiling.



## Full of Features, Full of Benefits

### Powerful 5W Speaker

The EPSON EMP-830 and EMP-835's powerful built-in speaker produces rich, clear sound and eliminates the need for external sound systems in many presentation environments.

### Powered Zoom & Focus

Zoom and focus can be adjusted from the control panel or by remote control, at the push of a button.

### Source Search

The EPSON EMP-830 and EMP-835 instantly recognise an input signal from any source - just press the "Source Search" button and let the projector do the rest.

### Wide 1.6x Zoom Ratio

Through a powerful 1.6x zoom, the EPSON EMP-830 and EMP-835 offer even greater flexibility in installations and projector placement – a 60-inch image can be projected from as close as 1.8m or as far away as 2.9m from the screen.

### Picture-in-Picture

Using a PC, video images can be projected within the main image, making it possible to view more than one image signal simultaneously.

### Password Protected Security Function

For tighter security and convenience, the EPSON EMP-830 and EMP-835 come equipped with three password protect functions – Power On Protect / User's Logo Protect / Timer Protect.

Other features include ...

- Pointer Function
- E-Zoom
- Five Selectable Projection Modes
- Advanced Help Function
- Front Exhaust Fan
- Key Lock Function
- IP Conversion
- 3D Y / C Separation

# EPSON®

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PROJECTORS

## EPSON EMP-830 & EMP-835 PROJECTORS

# Specifications



EPSON AUSTRALIA  
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**www.epson.co.nz**

AUCKLAND  
245 Hobson Street  
Auckland NZ  
Tel: (09) 366 6855

ABN 91 002 625 783  
08/04

**PROJECTION SYSTEM** RGB Liquid Crystal Shutter Projection System

**PROJECTION METHOD** Front / Rear / Ceiling Mount

**SPECIFICATION OF MAIN PARTS**

LCD	Size	0.8 inches with MLA
	Driving Method	Poly-silicon TFT Active Matrix
	Pixel Number	786,432 dots (1024 x 768) x3
	Native Resolution	XGA
	Aspect Ratio	4:3
	Pixel Arrangement	Stripe
PROJECTION LENS	Refresh Rate	72Hz
	Type	Manual: zoom / focus
	F-number	1.75 - 2.42
	Focal length	24 - 38.2mm
	Zoom ratio	1 - 1.6
LAMP	Type	200W UHE

**SCREEN SIZE (PROJECTED DISTANCE)**

30 to 300 inch [1.42 to 14.73m] (Zoom: Tele)  
30 to 300 inch [0.86 to 9.09m] (Zoom: Wide)  
60" screen 1.8m - 2.9m

**KEystone CORRECTION RATIO** 10:1

**BRIGHTNESS**

HIGH BRIGHTNESS MODE 3000 ANSI lumens  
(Colour mode: Dynamic, Zoom: Wide)

LOW BRIGHTNESS MODE 2200 ANSI lumens  
(Colour mode: Dynamic, Zoom: Wide)

**CONTRAST** 600:1

**BRIGHTNESS UNIFORMITY** 90%

**COLOUR REPRODUCTION** Full Colour (16.77 million colours)

**VIDEO QUALITY**

3D Y/C separation (NTSC only),  
Motion compensated Interlace-Progressive  
conversion (3-2 film detection only)

**SOUND OUTPUT** 5W

**FUNCTION** Pointer, PIP, Preview, User Logo, A/V mute, Freeze

**COLOUR MODES** Dynamic, Presentation, Theatre, Living room, sRGB

**EFFECTIVE SCANNING FREQUENCY RANGE**

PIXEL CLOCK 13.5MHz to 230MHz up to UXGA 85Hz

HORIZONTAL 15KHz to 107KHz

VERTICAL 50Hz to 120Hz

**ADJUSTMENT FUNCTION**

PROJECTOR / REMOTE CONTROL Keystone / Brightness / Contrast / Tint /  
Saturation / Sound / Input signal etc.

TILT ANGLE -4 to 12 degrees

KEYSTONE CORRECTION Vertical: -45 to +45 degrees (Zoom: Tele)  
Horizontal: -25 to +25 degrees (Zoom: Tele)

**ANALOGUE RGB I/O**

DISPLAY PERFORMANCE Native 1024 x 768 pixels

INPUT SIGNAL Signal type Separate signal

Video Signal Analogue (0.7Vpp, 75ohm /  
Mac 0.714Vpp, 75ohm)

Sync. Signal Separate (positive & negative,  
bi-polarity 2-5Vpp) / Composite  
(positive & negative, bi-polarity  
2-5Vpp) / Sync-on-green  
(negative, 0.3Vpp)

INPUT TERMINAL Audio Signal 500mVrms / 47Kohm

Video Mini D-sub 15pin x 2  
Blue-moulding

OUTPUT SIGNAL Audio Stereo mini-jack x 2

Video Signal Analogue (0.7Vpp, 75ohm /  
Mac 0.714Vpp, 75ohm)

Sync. Signal Separate (positive & negative,  
TTL) / Composite (positive &  
negative, TTL) / Sync. on green  
(negative 0.2 - 0.4Vpp)

OUTPUT TERMINAL Video Mini D-sub 15pin x 1  
Black-moulding

Audio Stereo mini-jack

**VIDEO I/O**

DISPLAY PERFORMANCE NTSC: 560 line PAL: 560 line  
(Depends on observation of the multi-burst pattern)

INPUT SIGNAL Video Standard NTSC / NTSC4.43 / PAL / M-PAL /  
N-PAL / PAL60 / SECAM

Video Signal Composite Video (1.0Vpp /  
Sync.negative, 75ohm) /  
S-Video (Luminous 0.714Vpp,  
Chrominous 0.286Vpp, 75ohm) /  
Component Video (Analogue Y  
level 0.75V 75ohm / Cr Cb level  
+/-0.35V 75ohm / sync.  
negative 0.3V or 3-state  
+/-0.3V on Y) / Video-RGB  
(0.7Vpp, 75ohm / Mac 0.714)

Audio Signal 500mVrms / 47Kohm  
Video Composite Video:  
RCA (Yellow) x 1,  
S-Video: Mini DIN,  
Component Video: Mini D-sub 15pin,  
Blue-moulding (in common with  
Analogue RGB connector)  
Video-RGB: Mini D-sub 15pin  
Blue-moulding (in common with  
Analogue RGB connector)

INPUT TERMINAL

Audio RCA (White / Red) x 2

**CONTROL I/O**

USB I/O I/O Terminal USB connector series B x 1  
(for mouse, K/B, control)

SERIAL I/O I/O Terminal Mini D-sub 9pin x 1

I/O Signal RS-232C

NETWORK INTERFACE RJ45 x 1 (for Network control only)

INPUT TERMINAL Remote Control Stereo mini jack x 1

**OPERATING TEMPERATURE** 5°C to 35°C <-41°F to 95°F> (20% - 80% Humidity)

**POWER SUPPLY VOLTAGE** 100-240V ±10%, 50/60Hz AC

**DIMENSION**

EXCLUDE FEET 280(D) x 365(W) x 114(H) mm

MAXIMUM DIMENSION 283(D) x 367(W) x 126(H) mm

**WEIGHT** Approx. 4.7Kg

**FAN NOISE**

HIGH BRIGHTNESS MODE 34dB

LOW BRIGHTNESS MODE 28dB

**EASY MP**

FUNCTION Projector control and projector management  
via network / E-mail notification / SNMP

SOFTWARE EMP Monitor Ver 3.03 (for Windows®) /  
EMP Network Manager V1.02 (for Windows® / Mac® OS)

**PRODUCT CODE** V11H146053

**ACCESSORIES**

POWER CORD 3m

COMPUTER CABLE 1.8m Mini D-sub 15pin (Male) - Mini D-sub  
5 pin (Male)

USB CABLE 1.8m USB A / B

REMOTE CONTROL Included

BUNDLED SOFTWARE EPSON Projector Software (CD-Rom)

PASSWORD PROTECT SEAL Included

**WARRANTY**

STANDARD 2 years\*

For warranty terms see [www.epson.com.au/warranty](http://www.epson.com.au/warranty)

(\*excluding lamp)

### EMP-835 (ADDITIONAL SPECIFICATIONS)

**CONTROL I/O**

USB I/O I/O terminal USB connector series A x 1

PCMCIA CARD SLOT Type II x 1

NETWORK INTERFACE RJ45 x 1  
Wireless / Wired LAN Card

**EASY MP**

FUNCTION Card Player (with USB storage player) / Network Screen /  
Easy Web

SOFTWARE EMP Monitor Ver 3.03 (for Windows®) / EMP Network Manager  
(via Web Site) / EMP NS Connection Ver 1.30 (for Windows®) /  
EMP NS Connection Ver 1.01 (for Mac®) / EMP SlideMaker2  
Ver 1.11

SECURITY (WIRELESS LAN) WPA, CCX (Cisco)

**PRODUCT CODE** V11H145053

**ACCESSORIES**

WIRELESS LAN CARD Attached 802.11g/b

BUNDLED SOFTWARE EasyMP Software (CD-ROM)



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