

MULTIMEDIA
PROJECTOR

EPSON EMP-8300 PROJECTOR



muscle, might
and versatility - the
ultimate projector

EPSON®

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Muscle, Might and Versatility -The Ultimate Projector

Put projecting power and versatility in your hands with this impressive addition to EPSON'S projector lineup. The EMP-8300 has the brains to help you set up quickly and easily in virtually any environment, and the brawn to give your images astounding brightness, razor-sharp clarity and an authoritative presence. Experience the remarkable convenience and astonishing performance of power projecting – the new EPSON EMP-8300.

High-performance Technologies

Astounding power with 5200 ANSI lumens / 320 W UHE lamp

The brightest EPSON projector to date at 5200 lumens. This high level of brightness means your images will always be crystal-clear, even in large, well-lit auditoriums. Stack up to two projectors for a truly astounding 10,400 lumens of brightness.



Electrical zoom, focus, lens shift

Make zoom, focus and lens shift adjustments using controls on the projector. Or for ceiling-mounted projectors, use the remote control.



1200:1 high contrast ratio

Boasts the highest contrast ratio of any EPSON projector. The entire screen comes alive with vibrant images in razor-sharp detail.

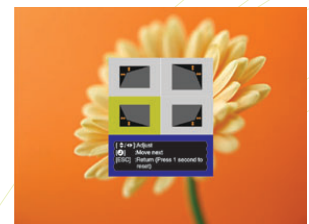
Extensive Functionality

Quick Corner



Another EPSON innovation – this time making it even easier to keep your image even straighter. Quick Corner not only helps you easily adjust all four sides of the image, but finer tuning capabilities allow for accuracy never before attainable.

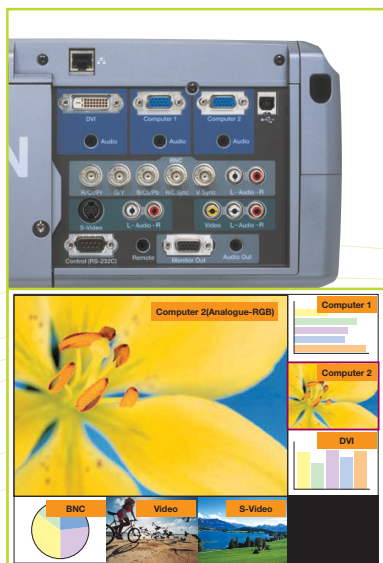
Adjustments of up to 40° horizontal / 45° vertical, allowing for more freedom when choosing a place for the projector. Only available with EPSON.





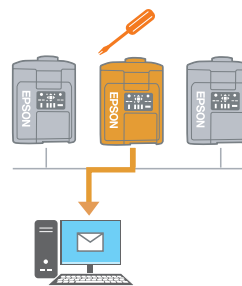
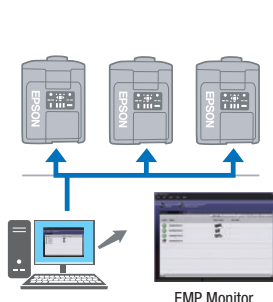
Wide range of inputs and preview function

Compatible with virtually any imaging equipment. The convenient preview feature allows you to quickly select between connected sources.



Network functionality (SNMP)

A LAN connection allows you to monitor and control multiple EMP-8300s simultaneously. If something requires attention, an e-mail alert is sent automatically.



Cable cover

Use the cable cover for an attractive look that preserves the atmosphere of the room.



Redesigned remote controller

New design for ease of use and high functionality. The zoom, focus and lens shift settings are adjustable even when the projector is ceiling-mounted. Control multiple projectors simultaneously with one remote, or use the ID control function to switch among units and control them individually.



5 selectable projection modes

Simple image-quality settings for optimally adjusted colours in any situation.

Dynamic, Presentation, Theatre, Living Room, sRGB EMP Monitor

Optional Devices



EasyMP.net unit

Attach the exclusive EasyMP.net unit and your EMP-8300 projector turns into a computer with extensive functionality, including web control, network screen, video streaming, browser and file manager.

Large assortment of optional lenses

A wide variety of optional lenses allows you to use the projector in virtually any room environment.

SYDNEY
3 Talavera Road
North Ryde NSW 2113
Tel: (02) 8899 3666
Fax: (02) 8899 3777

MELBOURNE
Ground Level
1155 Malvern Road
Malvern Vic. 3144
Tel: (03) 8823 9200
Fax: (03) 8823 9250

BRISBANE
Level 3, Waterfront Place
1 Eagle Street
Brisbane QLD 4000
Tel: (07) 3360 0219
Fax: (07) 3360 0289

PERTH
Suite 20, Level 3
1060 Hay Street
West Perth WA 6005
Tel: (08) 9480 0418
Fax: (08) 9480 0443

ADELAIDE
Level 1, Carrington House
61-63 Carrington Street
Adelaide SA 5000
Tel: (08) 8237 0518
Fax: (08) 8237 0519

AUCKLAND
245 Hobson Street
Auckland NZ
Tel: (09) 366 6855
Fax: (09) 366 6865

WELLINGTON
Level 6, City Tower
95 Custom House Quay
Wellington NZ
Tel: (04) 473 3494
Fax: (04) 473 4631

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04/03

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Specifications



*EMP-8300 + EasyMP.net (option)

PROJECTION SYSTEM		RGB Liquid Crystal Shutter Projection System	
PROJECTION METHOD		Front / Rear / Ceiling Mount	
SPECIFICATION OF MAIN PARTS			
LCD	Size	1.4 inches with MLA (x3)	
	Driving Method	Poly-silicon TFT Active Matrix	
	Pixel number	786432 dots (1024 x 768) x 3	
	Native Resolution	XGA	
	Aspect ratio	4:3	
PROJECTION LENS	Pixel Arrangement	Stripe	
	Refresh rate	60Hz	
	Type	Electrical: zoom / focus / lens shift	
	F-number	1.7-2.2	
	Focal length	53-72 mm	
LAMP	Zoom ratio	1-1.35	
	Type	320W UHE	
	Life	2000H (High Bright) / 3000H (Low Bright)	
OPTICAL SYSTEM		Dichroic Mirror Separation & Prism combine method	
SCREEN SIZE (PROJECTED DISTANCE)		22 to 300inch [1.1 to 15m] (Zoom: Tele), 30 to 300inch [1.1 to 11m] (Zoom: Wide)	
KEYSTONE CORRECTION RATIO		10:0-0:10	
BRIGHTNESS			
HIGH BRIGHTNESS MODE		5200 ANSI lumens (Lens shift: Centre, Colour mode: Dynamic, Zoom: Wide)	
LOW BRIGHTNESS MODE		3000 ANSI lumens (Lens shift: Centre, Colour mode: Dynamic, Zoom: Wide)	
CONTRAST			
HIGH BRIGHTNESS		1200:1 (Colour mode: Dynamic)	
LOW BRIGHTNESS		1500:1 (Colour mode: Dynamic, lens: standard and wide zoom)	
BRIGHTNESS UNIFORMITY		90%(Typ.) (Lens shift: Centre)	
COLOUR REPRODUCTION		Full Colour (16.77million colours)	
VIDEO QUALITY		3D Y/C separation (NTSC only), Interlace-Progressive conversion (3-2-2-2 film detection, motion detection, Jaggy reduction)	
SOUND OUTPUT		7W Monaural	
FUNCTION		Effect, PIP, Preview, User Logo, A/V mute, Freeze	
EFFECTIVE SCANNING FREQUENCY RANGE (ANALOGUE)			
PIXEL CLOCK		13.5MHz to 230MHz	
HORIZONTAL		15KHz to 107KHz	
VERTICAL		50Hz to 120Hz	
EFFECTIVE SCANNING FREQUENCY RANGE (DIGITAL)			
PIXEL CLOCK		25MHz to 135MHz	
HORIZONTAL		15KHz to 80KHz	
VERTICAL		50Hz to 85Hz	
ADJUSTMENT FUNCTION			
PROJECTOR / REMOTE CONTROL		Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal etc.	
TILT ANGLE		0 to 9 degrees	
KEYSTONE CORRECTION		Vertical: -45 to +45 degrees Horizontal: -40 to +40 degrees (Lens shift: Centre, Zoom: Tele)	
AUTO KEYSTONE CORRECTION		No	
ANALOGUE RGB I/O			
DISPLAY PERFORMANCE		Native	1024 x 768 dots
INPUT SIGNAL	Signal type	Separate signal	
	Video Signal	Analogue (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75ohm)	
		Sync. Signal	Separate (positive & negative, bi-polarity 2-5Vp-p) / Composite (positive & negative, bi-polarity 2-5Vp-p) / Sync-on-green (negative, 0.3Vp-p)
INPUT TERMINAL	Audio Signal	500mVrms / 47Kohm	
	Video	Mini D-sub 15pin x 2 Blue-moulding 5-BNC x 1	
	Audio	Stereo mini jack x 2 (for Mini D-sub 15pin) RCA x 2 (FOR 5-BNC)	
OUTPUT SIGNAL	Video Signal	Analogue (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75ohm)	
	Sync. Signal	Separate (positive & negative, TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2-0.4 Vp-p)	
OUTPUT TERMINAL	Video	Mini D-sub 15pin x 1 Black-moulding	
	Audio	Stereo mini jack	
DIGITAL RGB I/O			
DISPLAY PERFORMANCE		Native	1024 x 768 dots
INPUT SIGNAL	Video Signal	Digital	
	Audio Signal	500mVrms / 47Kohm	
INPUT TERMINAL	Video	DVI TypeD x 1	
	Audio	Stereo mini jack	

VIDEO I/O		
DISPLAY PERFORMANCE		
	NTSC: 560 line (Depend on observation of the multi burst pattern)	PAL: 560 line (Depend on observation of the multi burst pattern)
INPUT SIGNAL	Video Standard	NTSC / NTSCA.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
	Video Signal	Composite Video (1.0Vp-p / Sync. negative, 75 ohm) / S-Video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p, 75 ohm) / Component Video (Analogue Y level 0.7V 75 ohm / Cr Cb level +/-0.35V 75 ohm / sync.negative 0.3V or 3-state +/-0.3V on Y) / Video-RGB (0.7Vp-p, 75 ohm / Mac 0.714Vp-p, 75 ohm)
INPUT TERMINAL	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)
	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
INPUT TERMINAL	Remote Control	Stereo mini jack x 1
OPERATING TEMPERATURE		
5°C to 40°C <41°F to 104°F>		
COOL-DOWN PERIOD		
about 30 seconds		
START-UP PERIOD		
about 40 seconds		
POWER SUPPLY VOLTAGE		
100-240V ±10%, 50/60Hz AC		
POWER CONSUMPTION		
100-240VAC 5.4-2.5A 50/60Hz		
DIMENSION		
EXCLUDE PROJECTION LENS & FEET		491(D) x 349(W) x 179(H) mm
MAXIMUM DIMENSION		491(D) x 352(W) x 194(H) mm
WEIGHT		Approx. 24.7lbs / 11.2Kg

FAN NOISE		
HIGH BRIGHTNESS MODE		36dB
LOW BRIGHTNESS MODE		33dB
ACCESSORIES		
POWER CORD	3m	
COMPUTER CABLE	1.8m Mini D-sub 15pin (Male) - Mini D-sub 15pin (Male)	
AUDIO CABLE	1.8m Stereo mini jack	
MOUSE CABLE	1.8m, USB A-B	
REMOTE CONTROL	Included	
BATTERY	Alkaline AA x 2	
CABLE COVER		
LENS COVER		
SUPPORT SOFTWARE	EMP Monitor EMP NetworkManager (for windows)	
OWNER'S MANUAL	Included	

WARRANTY		
STANDARD	2 Years	

OPTIONS		
V12H114P01: EasyMP.net Unit; V13H01QL23: Spare Lamp; V12H004R02: Rear Projection Wide Lens; V12H004W02: Wid Zoom Lens; V12H004S02: Standard Zoom Lens; V12H004M01: Middle Throw Zoom Lens; V12H004M02: Middle Throw Zoom Lens; V12H004L04: Long Throw Zoom Lens; V12H001K50: Hard Travel Case; V12H003B14: Ceiling Mount; V12H003B15: Dual Stacker; V12H005C28: Remote Control Cable Set		

EMP-8300 + EasyMP.net (option)

STORAGE/PROCESSING		20GB HDD, Intel Celeron Processor and Windows XP embedded
CONTROL I/O		
USB I/O	I/O terminal	USB connector series A x 2 (for mouse, K/B Tablet) USB connector series B x 1 (for mouse, K/B Control)
CARD I/O		
PCMCIA	Type	Type II x 2
	Supported Memory Card	Compact Flash / Smart Media / Memory stick / SD / MMC / 3.3 volts type ATA Flash card / 5 volts type ATA Flash card / Micro drive* Major cards supported
DIMENSION		
EXCLUDE PROJECTION LENS & FEET		491(D) x 349(W) x 202(H) mm
MAXIMUM DIMENSION		491(D) x 352(W) x 217(H) mm
WEIGHT		Approx. 26.6lbs / 12.1Kg
FAN NOISE		
HIGH BRIGHTNESS MODE		37dB
LOW BRIGHTNESS MODE		34dB



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* Memory card and adapter not supplied.

Available from June 03.