EPSON®

EMP-7900 PROJECTOR

MULTIMEDIA PROJECTOR

3 LCD
ADVANCED IMAGING TECHNOLOGY
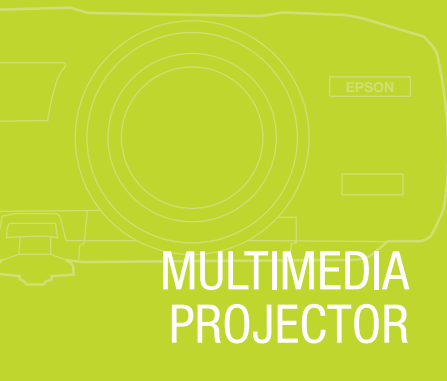
EMP-7900

The Picture-Perfect Projector

- Brilliant 4000 ANSI lumens
- Contrast ratio 700:1
- Optional lenses
- Lamp life up to 3000 hours
- Network functionality
- Superior LCD technology

3 LCD ™
ADVANCED IMAGING TECHNOLOGY

EPSON EMP-7900 PROJECTOR

Projecting crystal-clear images at an astounding 4000 ANSI lumens, this projector is surprisingly light, compact and intelligent. Not only will you get there quicker, but you won't lose a step with its quick and easy setup. Remarkable versatility allows you to take command in virtually any room environment.

So if your presentation is a work of art in the making, let this intelligent projector apply the finishing touches. EPSON'S new EMP-7900 projector – the picture-perfect solution.

Powerful & Flexible

4000 ANSI Lumens

At 4000 ANSI lumens, it's powerful enough to project bright and clear images in a large meeting room. Yet at 5.6kgs, it's light enough to carry from room to room.

High Contrast Ratio

Projects sharp and vivid images with a high contrast ratio of 700:1.

Optional Lenses

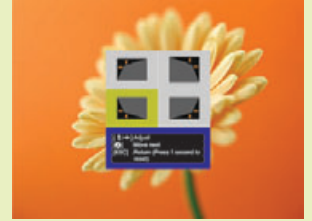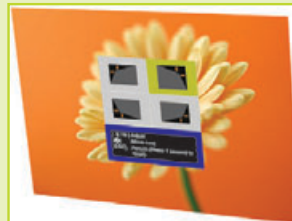A range of optional lenses allows you to use the projector in virtually any room situation.

Easy to Set-up & Versatile

QuickCorner

Quick Corner

Another EPSON innovation – this time making it much easier to keep your screen even straighter. QuickCorner not only makes straightening all four sides of the screen simple, but finer tuning capabilities allow for accuracy never before attainable.

Adjustments of up to +/-40° vertical and +/-20° horizontal allow for more freedom when choosing a place for the projector.

Automatic Signal Recognition

The EPSON EMP-7900 automatically recognises any computer or component video signals that are connected to the various input terminals.

Wall Shot

Wall Shot

No need to use a white screen or wall. This EPSON feature makes automatic adjustments to the colours projected, ensuring that images appear colour-accurate against any coloured wall.

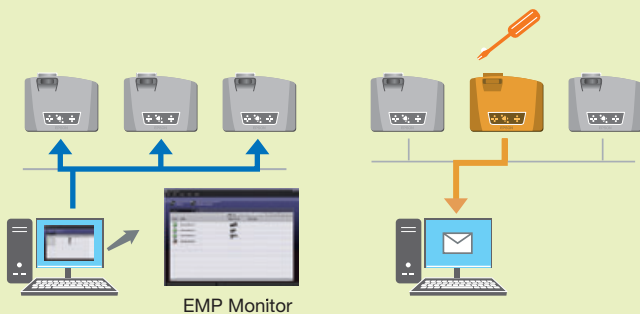Background Colour   Before Wall Shot   After Wall Shot

EMP-7900

Network Functionality

Use EMP Monitor software via a LAN connection to monitor and control multiple EMP-7900's simultaneously.

If something requires attention, an e-mail alert is sent automatically.

EMP Monitor

Brightness Control

Adjust to match your viewing environment. Help keep glare and fan noise to a minimum and conserve lamp life with the Low Brightness setting; use the High Brightness setting in bright-light situations.
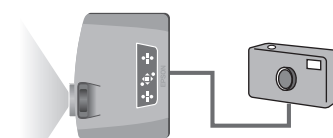
High Brightness: 4000 ANSI lm

Low Brightness: 3000 ANSI lm

Broad Input Connectivity and Preview Function

Compatible with virtually any imaging equipment, the preview function makes it easier than ever to keep track of the connected equipment, and select an input source.

Preview Function

Standard Short Focus Lens

The standard lens allows for a screen size of up to 152.4cm from just 1.6 metres away, boasting the shortest focal length of any EPSON projector to date. Two other optional lenses are available for adaptability to a wide variety of room environments.

EMP-7850 – Wireless and Advanced Networking

If you require innovative wireless and PC-free functionality, the EMP-7850 is the perfect partner. Includes EPSON'S leading wireless technology and a memory card player for presentations and JPEG files. Images can also be viewed directly from a digital camera with a USB cable.

Capable of projecting from memory cards and digital cameras

3 LCD
ADVANCED IMAGING TECHNOLOGY

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EPSON EMP-7900 PROJECTOR
Specifications

117mm
325mm
419mm

5.6Kg

PROJECTION SYSTEM	RGB Liquid Crystal Shutter Projection System	
PROJECTION METHOD	Front / Rear / Ceiling Mount	
SPECIFICATION OF MAIN PARTS		
LCD	Size	1.0 inches with MLA
	Driving Method	Poly-silicon TFT Active Matrix
	Pixel number	786432 pixels (1024 x 768) x 3
	Native Resolution	XGA
	Aspect ratio	4:3
	Pixel Arrangement	Stripe
	Refresh rate	72Hz
PROJECTION LENS	Type	Manual zoom / focus
	F-number	1.7-2.3
	Focal length	28-37mm
	Zoom ratio	1-1.35
LAMP	Type	250W UHE
OPTICAL SYSTEM	Dichroic Mirror Separation & Prism combine method	
SCREEN SIZE (PROJECTED DISTANCE)		
	22 to 300inch [1.1 to 11m] (Zoom: Tele), 30 to 300inch [0.8 to 8.2m] (Zoom: Wide)	
KEYSTONE CORRECTION RATIO	10:0	
BRIGHTNESS		
HIGH BRIGHTNESS MODE	4000 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)	
LOW BRIGHTNESS MODE	3000 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)	
CONTRAST	700:1 (Colour mode: Dynamic)	
BRIGHTNESS UNIFORMITY	90%(Typ.)	
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	5W 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	-4 to 12 degrees	
KEYSTONE CORRECTION	Vertical: -40 to +40 degrees Horizontal: -20 to +20 degrees (Zoom: Tele)	
AUTO KEYSTONE CORRECTION	Implemented (Vertical only)	
WALL SHOT	Adjusting colour and brightness for wall by sensor	
PASSWORD PROTECTED FUNCTION (SECURITY FUNCTION)	Implemented	
ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 pixels
INPUT SIGNAL	Signal type	Separate signal
	Video Signal	Analogue (0.7Vp-p, 75ohm / 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)
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	Mini D-sub 15pin x 1 Blue-molding 5-BNC x 1
	Audio	Stereo mini jack x 1 (for Mini D-sub 5pin) RCA x 2 (FOR 5-BNC)
OUTPUT SIGNAL	Video Signal	Analogue (0.7Vp-p, 75ohm / Mac 0.714Vp-p, 75ohm)
	Sync. Signal	Separate (positive & negative,TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2-0.4Vp-p)
OUTPUT TERMINAL	Video	Mini D-sub 15pin x 1 Black-molding
	Audio	Stereo mini jack
DIGITAL RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 pixels
INPUT SIGNAL	Video Signal	Digital
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	DVI TypeD x 1
	Audio	Stereo mini jack (double use with D-sub 15pin)

VIDEO I/O			
DISPLAY PERFORMANCE	NTSC: 560 line PAL: 560 line (Depend 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 (1.0Vp-p / Sync. negative, 75ohm) / S-Video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p,75ohm) / Component Video (Analogue Y level 0.7V 75ohm / Cr Cb level +/-0.35V 75ohm / sync.negative 0.3V or 3-state+/-0.3V on Y) / Video-RGB (0.7Vp-p, 75ohm / Mac 0.714Vp-p, 75ohm)	
	Audio Signal	500mVrms / 47Kohm	
INPUT TERMINAL	Video	Composite Video: RCA (Yellow) x 1	
		S-Video: Mini DIN	
		Component Video: Mini D-sub 15pin Blue-molding (in common with Analogue RGB connector)	
		Video-RGB: Mini D-sub 15pin Blue-molding (in common with Analogue RGB connector)	
	Audio	RCA (White / Red) x 2	
CONTROL I/O			
USB I/O	I/O terminal	USB connector type 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 35°C		
COOL-DOWN PERIOD	Approx. 20 seconds		
START-UP PERIOD	Approx. 15 seconds		
POWER SUPPLY VOLTAGE	100-240V ±10%, 50/60Hz AC		
POWER CONSUMPTION			
LAMP ON		350W	
STANDBY	(Network On)	47W	
	(Network Off)	1.8W	
DIMENSION			
EXCLUDE FEET	325(D) x 419(W) x 117(H) mm		
MAXIMUM DIMENSION	325(D) x 419(W) x 138(H) mm		
WEIGHT	Approx. 12.1lbs / 5.6Kg		
FAN NOISE			
HIGH BRIGHTNESS MODE	36dB		
LOW BRIGHTNESS MODE	33dB		
PRODUCT CODE	V13H1XX053		
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 / USB B		
REMOTE CONTROL	Included		
LENS COVER	Included		
BATTERY	Alkaline AA x 2		
EPSON PROJECTOR SOFTWARE	EMP Monitor EMP NetworkManager (for Windows)		
OWNER'S MANUAL	Included		
WARRANTY			
STANDARD	2 years		
OPTIONS			
V13H010L22: Spare LAMP; V12H001K29: Hard Travel Case; V12H001K28: Soft Travel Case; V12H004M03: Middle Throw Lens; V12H004L05: Long Throw Lens			

EMP-7850 (POINTS OF DIFFERENCE)

CONTROL I/O			
USB I/O	I/O terminal	USB connector series A x 1 (for digital camera) 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*	
	Supported Wireless LAN	Major cards supported	
WEIGHT	Approx. 12.8lbs / 5.8Kg		
WIRELESS LAN CARD	Included		
LCD SIZE	1.0 inches without MLA		
BRIGHTNESS	(High) 3500 ANSI lumens (Low) 2500 ANSI lumens		

*Memory card and adapter not supplied.

Available from july 03.

ENERGY STAR

3 LCD
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