

MULTIMEDIA PROJECTOR

EMP-820 PROJECTOR



XGA HIGH-BRIGHT PROJECTOR FOR DESKTOP PRESENTATIONS OR INSTALLATIONS

- 2500 ANSI Lumens
- DVD, DTV, HDTV compatible
- Horizontal Keystone Correction
- sRGB mode
- Analogue and digital compatibility
- Multiple source input

EMP-820 PROJECTOR

EPSON®



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Specifications

PROJECTION SYSTEM		RGB Liquid Crystal Shutter Projection System
PROJECTION METHOD		Front / Rear / Ceiling Mount
SPECIFICATION OF MAIN PARTS		
LCD	Size	0.9inches with MLA (x3)
	Driving method	Poly-Silicon TFT active matrix
	Pixel number	786,432 (1024 x 768) x 3
	Native resolution	XGA
	Aspect ratio	4:3
	Pixel arrangement	Stripe
PROJECTION	Type	Manual: zoom / focus
	f-number	1.74 to 2.06
	f-number	28.3 to 37.98mm
	Zoom ratio	1:1.35
	Lens cover	attached
LAMP	Type	200 W UHE
OPTICAL SYSTEM		Dichroic Mirror Separation & Prism combine method

SCREEN SIZE (PROJECTED DISTANCE)	30 to 300inch (0.87 to 12.48m)	
KEYSTONE CORRECTION RATIO	10:0	
BRIGHTNESS	2500 ANSI lumens	
CONTRAST	400:1	
BRIGHTNESS UNIFORMITY	85%	
COLOUR REPRODUCTIVITY	Full colour (16.7 million colours)	
SOUND OUTPUT	5W	
EFFECTIVE SCANNING FREQUENCY RANGE		
PIXEL CLOCK	14MHz to 230MHz	
HORIZONTAL	(15 - 107) KHz	
VERTICAL	(43 - 120) Hz	

ADJUSTMENT FUNCTION		
PROJECTOR / REMOTE CONTROL	Keystone (Vertical and Horizontal) / Brightness / Contrast / Tint / Sound / Input signal etc.	
KEYSTONE CORRECTION	Vertical -30 to +30 degrees Horizontal -10 to +10 degrees	
TILT ANGLE	0 to 12 degrees	

ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 dots
	Resize	1600 x 1200 / 1280 x 1024 / 800 x 600 / 640 x 480 dots
INPUT SIGNAL	Signal type	Separate signal
	Video signal	Analogue (0.7Vp-p, 75 Ω / Mac 0.714Vp-p, 75 Ω)
	Sync. signal	Separate (positive & negative, bi-polarity 1-5Vp-p) / Composite (positive & negative, bi-polarity 1-5Vp-p) / Sync-on-green (negative 0.3Vp-p)
	Audio signal	500m Vrms / 47 KΩ
INPUT TERMINAL	Video	DVI Type I x 1 (DDC 2B compatible, Analogue / Digital auto detect) Mini D-sub 15 pin x 1
	Audio	Stereo mini jack RCA x 2
OUTPUT SIGNAL	Video signal	Analogue (0.7Vp-p, 75 Ω / Mac 0.714Vp-p, 75 Ω)
	Sync. signal	Separate (positive & negative, bi-polarity 1-5Vp-p) / Composite (positive & negative, bi-polarity 1-5Vp-p) / Sync. on green (negative 0.3Vp-p)
OUTPUT TERMINAL	Video	Mini D-sub 15pin x 1

DIGITAL RGB INPUT		
DISPLAY PERFORMANCE	Native	1024 x 768 dots
	Resize	1280 x 1024 / 800 x 600 / 640 x 480 dots
INPUT SIGNAL	Video signal	Digital
	Audio signal	500m Vrms / 47 KΩ
INPUT TERMINAL	Video	DVI Type I x 1 (DDC 2B compatible, Analogue/Digital auto detect) Stereo mini jack
	Audio	

VIDEO I/O		
DISPLAY PERFORMANCE		NTSC: 550 lines PAL: 550 lines (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, 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)
	Audio signal	500m Vrms / 47 KΩ
INPUT TERMINAL	Video	Composite Video: RCA x 1 / S-Video: Mini DIN / Component Video: Mini D-sub 15pin / Video-RGB: Mini D-sub 15pin
	Audio	RCA x2 (for Composite Video/S-Video / Component Video) Stereo mini jack (for Video-RGB)

CONTROL I/O		
MOUSE I/O / USB I/O	I/O terminal	Mini DIN 9pin x1 (for PS/2 mouse) / USB connector series A x1 (for HUB) USB connector series B x1 (for mouse, K/B, audio, control)
SERIAL I/O	I/O terminal	Mini D-sub 9pin x1
	I/O serial	RS-232C

INPUT TERMINAL	Remote Control	Stereo mini jack x1
OPERATING TEMPERATURE		5°C to 35°C (41°F to 95°F)
POWER SUPPLY VOLTAGE		100 - 120V / 200 - 240V ±10%, 50/60Hz AC

DIMENSION		
EXCLUDE PROJECTION LENS & FEET	348(W) x 104(H) x 274(D)mm	
MAXIMUM DIMENSION	349(W) x 114(H) x 276(D)mm	
WEIGHT	Approx. 9.3lbs / 4.2Kg	
FAN NOISE	38dB	
ACCESSORIES		
	Power cable (3m), Computer cable (1.8m, Mini D-sub 15pin (Male) - Mini D-sub 15pin (Male)), Video/Audio cable (RCA x3 (White, Red, Yellow)), Mouse cable (PS/2 Mouse cable) (USB Mouse cable), Remote Control, Battery (AA x 2), User's manual	

WARRANTY		
STANDARD WARRANTY	2 years	

* Specifications are subject to change without notice due to technological improvements.



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