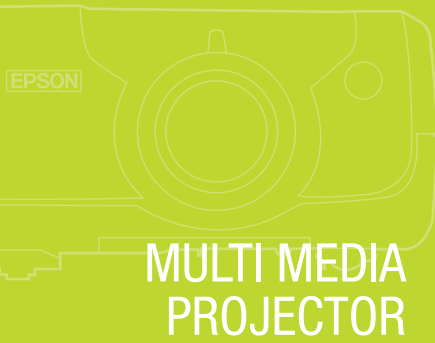


EPSON®

EMP-821 PROJECTOR



Desktop and Installation Projector with a Host of Features for Easy Set-up

- 3LCD Technology
- 2600 ANSI lumens
- 1.6x zoom to give a wide range of set-up locations
- Full input / output functionality
- Auto Keystone Correction
- Quick start up and shut down
- Easy to use help function
- Automatic Source Search



EPSON®

MULTIMEDIA
PROJECTOR

EPSON EMP-821 PROJECTOR Specifications



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ABN 91 002 625 783
02/05

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 pixels (1024 x 768) x3
	Native Resolution	XGA
	Aspect ratio	4:3
	Pixel Arrangement	Stripe
	Refresh rate	72Hz
PROJECTION LENS	Type	Manual: zoom / focus
	F-number	1.75 - 2.42
	Focal length	24mm - 38.2mm
	Zoom ratio	1 - 1.6
LAMP	Type	200W UHE
	Optical System	Dichroic Mirror Separation & Prism Combine Method

SCREEN SIZE (PROJECTED DISTANCE)	
	30 - 300 inch [1.42 - 14.73m] (Zoom: Tele), 30 - 300 inch [0.86 - 9.09m] (Zoom: Wide) 60" screen [1.8m - 2.9m]

KEystone CORRECTION RATIO	10:1
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BRIGHTNESS	
HIGH BRIGHTNESS MODE	2600 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)
LOW BRIGHTNESS MODE	1900 ANSI lumens (Colour mode: Dynamic, Zoom: Wide)

CONTRAST	500:1 (Colour mode: Dynamic)
BRIGHTNESS UNIFORMITY	90%
COLOUR REPRODUCTION	Full Colour (16.77million colours)
SOUND OUTPUT	5W Monaural
FUNCTION	Effect, 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

ADJUSTMENT FUNCTION	
PROJECTOR / REMOTE CONTROL	Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal, etc
FOOT ADJUSTER	Front centre, Rear
TILT ANGLE	-4 to 12 degrees (Front only: 0 to 12 degrees)
KEystone CORRECTION	Vertical: -30 to +30 degrees (Zoom: Tele)
AUTO KEystone CORRECTION	Implemented (Vertical) Vertical: -30 to +30 degrees (Zoom: Tele)
AUTO DETECTION OF RGB / YCbCr	Implemented
OPERATION PANEL	
PROTECTED FUNCTION	Implemented
PASSWORD PROTECTED FUNCTION (SECURITY FUNCTION)	Implemented (Protection of User logo, Time lock)

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)
	Audio Signal	500mVrms / 47Kohm
INPUT TERMINAL	Video	Mini D-sub 15pin x 2 Blue-molding
	Audio	Stereo mini-jack x 2
OUTPUT SIGNAL	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 x1 Black-molding
	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 0.7V 75ohm / Cr Cb level +/-0.35V 75ohm / sync. negative 0.3V or 3-state +/-0.3V on Y) / Video-RGB (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
INPUT TERMINAL	Audio signal	500mVrms / 47Kohm
	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	Stereo mini-jack x 2

CONTROL I/O		
USB I/O	I/O terminal	USB connector series B x1 (for mouse, K/B, control)
SERIAL I/O	I/O terminal	Mini D-sub 9pin x1
	I/O signal	RS-232C

OPERATING TEMPERATURE	5°C to 35°C <41°F to 95°F>
COOL-DOWN PERIOD	Approx. 20 seconds
START-UP PERIOD	

	Approx. 7 seconds
	Warm-up period: 30 seconds
POWER SUPPLY VOLTAGE	100-240V ±10%, 50 / 60Hz AC
POWER CONSUMPTION	

LAMP ON	100-240VAC 3.2-1.4A 50 / 60Hz
STANDBY	280 W 5.0 W

DIMENSION EXCLUDING FEET	272mm(D) x 350mm(W) x 109mm(H)
MAXIMUM DIMENSION	272mm(D) x 351mm(W) x 123mm(H)
WEIGHT	Approx. 4.0Kg / 8.9lb
FAN NOISE	

HIGH BRIGHTNESS MODE	36dB
LOW BRIGHTNESS MODE	30dB

ACCESSORIES	
POWER CABLE	3m
COMPUTER CABLE	1.8m Mini D-sub 15pin (male) - Mini D-sub 15pin (male)
USB CABLE	1.8m, USB A - USB B
REMOTE CONTROL	Included
LENS COVER	Included
AUDIO ADAPTER	Included
OWNERS MANUAL	Included (CD-ROM)

PRODUCT CODE	
EMP-821	V11H167053

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