



EPSON
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Epson EMP-822 Multimedia Projector Specification Sheet

Superior image quality and performance

PRODUCT TYPE Entry Level Multimedia Projectors

PRODUCT NAME	EMP-822
PRODUCT CODE	V11H256053
PROJECTION SYSTEM	RGB Liquid Crystal Shutter Projection System
PROJECTION METHOD	Front / Rear / Ceiling Mount

SPECIFICATION OF MAIN PARTS

LCD	Size	0.63 inches with MLA
	Driving method	Poly-Silicon TFT Active Matrix
	Pixel number	786,432 pixels (1024 x 768) x 3
	Native resolution	XGA
	Aspect ratio	4:3
	Pixel arrangement	Stripe
PROJECTION LENS	Refresh Rate	50Hz-60Hz
	Type	Manual: zoom / focus
	F-number	1.6
	Focal length	18.4mm - 22.12mm
	Zoom ratio	1.0 - 1.2
LAMP	Type	170W UHE E-TORL
	Life	3000Hr (High bright) 4000Hr (Low Bright)

OPTICAL SYSTEM Dichroic Mirror Separation & Prism combine method

SCREEN SIZE (PROJECTED DISTANCE)	30 to 300 inch [1.19 to 12.12m] (Zoom: Tele), 30 to 300 inch [0.87 to 8.97m] (Zoom: Wide)
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BRIGHTNESS

High Brightness Mode	2600 ANSI lumens (Colour mode: Game, Zoom: Wide)
Low Brightness Mode	2080 ANSI lumens (Colour mode: Game, Zoom: Wide)

CONTRAST BRIGHTNESS UNIFORMITY	400:1 90% (Typ.)
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COLOUR REPRODUCTIVITY	Full colour (16.77 million colours)
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VIDEO QUALITY	3D Y/C separation (NTSC only), Motion compensated Interlace-Progressive conversion (3-2 film detection only)
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SOUND OUTPUT	7W monaural
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EFFECTIVE SCANNING FREQUENCY RANGE (ANALOG)

PIXEL CLOCK	13.5MHz to 162MHz up to UXGA 60Hz
HORIZONTAL	15KHz to 92KHz
VERTICAL	50Hz to 85KHz

ADJUSTMENT FUNCTION

PROJECTOR / REMOTE CONTROL	Brightness / Contrast / Tint / Saturation / Sharpness / Input Signal Colour Temperature / Tracking / Position / Sharpness / Volume e.t.c.
FOOT ADJUSTER	Front-centre
TILT ANGLE	0 to 11 degrees
KEystone CORRECTION	Vertical: -30 to +30 degrees
PASSWORD PROTECTED FUNCTION (security function)	Implemented

VIDEO I/O

DISPLAY PERFORMANCE	NTSC: 560 line PAL: 560 lines (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 (Analog 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 0.714Vpp, 75ohm
INPUT TERMINAL	Audio signal	500mVrms / 47k-ohm
	Video	Composite Video: RCA (Yellow) x1 S-Video: Mini DIN Component Video: D-sub 15pin x 2 (Blue moulding)
	Audio	RCA x 1 (White/Red)

CONTROL I/O

SERIAL I/O	Terminal Signal	D Sub 9 pin x 1
	Network Interface	RS-232C RJ45 x 1

EASY MP

FUNCTION	ESC/VP.net E-mail notification SNMP Web control PJ-Link Duet EMP Monitor (for Windows)	EPSON IP Link Projector Control (for Windows)
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SOFTWARE

OPERATING TEMPERATURE	5°C to 35°C (41°F to 95°F) > (20%-80% Humidity)
COOL-DOWN PERIOD	"Instant Off"
START-UP PERIOD	Approx. 5 seconds (warm up 30 seconds)
DIRECT POWER ON	Yes
DIRECT POWER OFF	Yes

DIMENSION

EXCLUDE FEET	245(D) x 327(W) x 92(H) mm
MAXIMUM DIMENSION	245(D) x 327(W) x 108(H) mm
WEIGHT	Approx. 2.9kg

FAN NOISE

HIGH BRIGHTNESS MODE	35dB
LOW BRIGHTNESS MODE	28dB

WARRANTY

STANDARD WARRANTY	3 years* *excluding lamp
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*For more information visit Epson Projector Warranty Website

ANALOGUE RGB I/O

DISPLAY	Native	1024 x 768 pixels
PERFORMANCE		
INPUT SIGNAL	Signal type	Separate signal
	Video signal	Analogue (0.7V p-p, 75ohm / Mac 0.714Vp-p, 75ohm)
	Sync. signal	Separate (positive & negative, bi-polarity 2-5 Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
	Audio signal	500mVrms / 47k-ohm
INPUT TERMINAL	Video	Video D-sub 15pin x 2 (Blue moulding)
	Audio	Stereo mini jack x 2
OUTPUT SIGNAL	Video	Analog (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
	Sync.	Separate (positive & negative, TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2 - 0.4Vpp)
OUTPUT TERMINAL	Video	D-sub 15pin x 1 (Black moulding)

ACCESSORIES

POWER CORD	3m
COMPUTER CABLE	1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)
REMOTE CONTROL	Included
PASSWORD PROTECT STICKER	Included
AIR FILTER	Included
Epson PROJECTOR SOFTWARE	CD-ROM
OWNER'S MANUAL	CD-ROM

PRODUCT OPTIONS

Item Code	Description
V13H010L42	Lamp
7012083	Ceiling mount with telescopic pole
7012084	Ceiling mount standard