



Epson EMP-400W Multimedia Projector Specification Sheet

Less shadow and less space. Ultra short focus projector

PRODUCT TYPE	Entry Level Multimedia Projectors	
PRODUCT NAME	EMP-400W	
PRODUCT CODE	V11H281053	
PROJECTION SYSTEM	RGB Liquid Crystal Shutter Projection System	
PROJECTION METHOD	Front / Rear / Ceiling Mount	
SPECIFICATION OF MAIN PARTS		
LCD	Size	0.56 inches with MLA
	Driving method	Poly-Silicon TFT Active Matrix
	Pixel number	1,024,000 pixels (1280 x 800) x 3
	Native resolution	WXGA
	Aspect ratio	16:10 (which covers 16:9 and 4:3)
	Pixel arrangement	Stripe
PROJECTION LENS	Refresh Rate	50Hz-60Hz
	Type	Digital zoom / Manual focus
	F-number	1.8
	Focal length	6.48mm
	Zoom ratio	1.0 - 1.35 (Digital)
LAMP	Type	170W UHE E-TORL
	Life	4000Hr (Low Brightness)# 3000Hr (High Brightness)#
	OPTICAL SYSTEM	Dichroic Mirror Separation & Prism combine method
SCREEN SIZE (PROJECTED DISTANCE)	50 to 110 inch [0.54 to 1.22 m]	
BRIGHTNESS		
CONTRAST	High Brightness Mode	1800 ANSI lumens (Colour mode: Game)
	Low Brightness Mode	1420 ANSI lumens (Colour mode: Game)
BRIGHTNESS UNIFORMITY	500:1	
COLOUR REPRODUCTIVITY	85% (Typ.)	
COLOUR REPRODUCTIVITY	Full colour (16.77 million colours)	
VIDEO QUALITY	Simple Interlace - Progressive conversion	
SOUND OUTPUT	10W monaural	
EFFECTIVE SCANNING FREQUENCY RANGE (ANALOG)		
PIXEL CLOCK	13.5MHz to 162MHz up to UXGA 60Hz	
HORIZONTAL	15KHz to 92KHz	
VERTICAL	50Hz to 85Hz	
ADJUSTMENT FUNCTION		
PROJECTOR / REMOTE CONTROL	Brightness / Contrast / Tint / Saturation / Sharpness / Input Signal Colour Temperature / Tracking / Position / Sharpness / Volume etc... /	
FOOT ADJUSTER	Front-centre	
TILT ANGLE	0 to 13 degrees	
KEystone CORRECTION	Vertical: +/- 15 degrees	
PASSWORD PROTECTED FUNCTION (security function)	Implemented	
ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native	1280 x 800 pixels
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	D-sub 15pin x 1 Blue moulding
	Audio	Stereo mini jack x 2
OUTPUT SIGNAL	Video	Analogue (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)

VIDEO I/O		
DISPLAY PERFORMANCE		
INPUT SIGNAL	Video standard	NTSC: 560 line PAL: 560 lines (Depends on observation of the multi burst pattern)
	Video signal	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM 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 Blue moulding RCA x 1 (White/Red)
CONTROL I/O	Terminal	D Sub 9 pin x 1
	Signal	RS-232C Network InterfaceRJ45 x 1
EASY MP FUNCTION		
FUNCTION	ESC/VP.net	
	E-mail notification	
	SNMP	
	Web control	
	PJ-Link	
SOFTWARE OPERATING TEMPERATURE	AMX Device Discovery compatible	
	EMP Monitor (for Windows)	
COOL-DOWN PERIOD	5°C to 35°C (41°F to 95°F) > (20%-80% Humidity)	
START-UP PERIOD	"Instant Off"	
DIRECT POWER ON	Approx. 5 seconds (warm up 30 seconds)	
DIRECT POWER OFF	Yes	
POWER SUPPLY VOLTAGE	Yes	
POWER CONSUMPTION	100-240V AC±10% 50/60Hz	
EXHAUST DIRECTION	100-240VAC 2.7-1.1A 50/60Hz Lamp 251W/236W (Lamp on) 4.2W/5.5W (standby, network off)	
DIMENSION	Side	
EXCLUDE FEET	258(D) x 327(W) x 95(H) mm	
MAXIMUM DIMENSION	272(D) x 327(W) x 157(H) mm	
WEIGHT	Approx. 3.6kg	
FAN NOISE		
HIGH BRIGHTNESS MODE	35dB	
LOW BRIGHTNESS MODE	28dB	
WARRANTY		
STANDARD WARRANTY	3 years* *excluding lamp	
* For more information visit Epson Projector Warranty Website		
ACCESSORIES		
POWER CORD	3m	
COMPUTER CABLE	1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)	
REMOTE CONTROL	Included	
PASSWORD PROTECT STICKER	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

#Subject to operation and environmental conditions.

Usage Conditions

Epson products are designed and made to give highly reliable use and long life when used according to its specifications. With any system, product or device used in situations where human life may be involved or at risk, Epson advises that you should take all necessary steps to ensure the suitability of your Epson product for inclusion in your system, and recommends that you include fail-safe procedures and redundancy support or backup equipment in your system, to maintain the maximum safety margin and optimum system reliability. Examples include but are not limited to – do not interfere with any electrical components within the device, do not use items supplied with the product for purposes other than as intended by Epson (ie mains cords, inks, CDs, plastic wrapping) and do not make modifications to the product.