Multifunction, Reliability & Affordable Performance

PRODUCT TYPE	Entry Level Multimedia Projectors	
PRODUCT NAME	EMP-822H	
PRODUCT CODE	V11H304053	
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
	Refresh Rate	50Hz-60Hz
PROJECTION LENS	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	4000Hr (Low Brightness)# 3000Hr (High Brightness)#
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)	

BRIGHTNESS		
	High Brightness Mode	2600 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	2080 ANSI lumens (Colour mode: Game, Zoom: Wide)
CONTRAST	400:1	
BRIGHTNESS UNIFORMITY	90% (Typ.)	
COLOUR REPRODUCTIVITY	Full colour (16.77 million colours)	
VIDEO QUALITY	3D Y/C separation (NTSC only), Motion compensated Interlace-Progressive conversion (3-2 film detection only)	
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 11 degrees
KEYSTONE CORRECTION	Vertical: +/- 30 degrees
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 (0.7V 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	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)

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
	Audio signal	500mVrms / 47k-ohm
INPUT TERMINAL	Video	Composite Video: RCA (Yellow) x1 S-Video: Mini DIN Component Video: D-sub 15pin Blue molding
	Audio	RCA x 1 (White/Red)

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

EASY MP		
FUNCTION	ESC/VP.net E-mail notification SNMP Web control PJ-Link AMX Device Discovery compatible	
SOFTWARE	EMP Monitor (for Windows)	EPSON IP Link Projector Control (for Windows)
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	
POWER SUPPLY VOLTAGE	100-240V AC±10% 50/60Hz	
POWER CONSUMPTION	100-240VAC 2.7-1.1A 50/60Hz Lamp 248W/231W (Lamp on) 4.1Ww/5.8W (standby, network off)	
EXHAUST DIRECTION	Side	

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)

* 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.