



Epson EMP-83 Multimedia Projector

Specification Sheet

High-performance and connectivity ideal for presenters on the move

PRODUCT TYPE	Entry Level Multimedia Projectors	
PRODUCT NAME	EMP-83	
PRODUCT CODE	V11H255053	
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		
BRIGHTNESS MODE	High Brightness Mode	2200 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	1760 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	7W 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)
INPUT TERMINAL	Audio signal	500mVrms / 47k-ohm
	Video	D-sub 15pin x 2 Blue moulding
OUTPUT SIGNAL	Audio	Stereo mini jack x 2
	Video	Analog (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
OUTPUT TERMINAL	Sync.	Separate (positive & negative, TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2 - 0.4Vpp)
	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)
INPUT TERMINAL	Audio signal	500mVrms / 47k-ohm
	Video	Composite Video: RCA (Yellow) x1 S-Video: Mini DIN Component Video: D-sub 15pin Blue moulding
CONTROL I/O	Audio	RCA x 1 (White/Red)
	SERIAL I/O	Terminal Signal Network Interface
D Sub 9 pin x 1	RS-232C	RJ45 x 1
EASY MP FUNCTION		
ESC/VP.net	E-mail notification	SNMP
Web control	PJ-Link	Duet
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	
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	
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
#Subject to operation and environmental conditions.		