



# Epson EMP-X5 Multimedia Projector Specification Sheet

## Multifunction, Reliable & Affordable Performance

<b>PRODUCT TYPE</b>	Entry Level Multimedia Projectors	
<b>PRODUCT NAME</b>	EMP-X5	
<b>PRODUCT CODE</b>	V11H254053	
<b>PROJECTION SYSTEM</b>	RGB Liquid Crystal Shutter Projection System	
<b>PROJECTION METHOD</b>	Front / Rear / Ceiling Mount	
<b>SPECIFICATION OF MAIN PARTS</b>		
<b>LCD</b>	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
<b>PROJECTION LENS</b>	Type	Manual: zoom / focus
	F-number	1.6
	Focal length	18.4mm - 22.12mm
<b>LAMP</b>	Zoom ratio	1.0 - 1.2 Optical
	Type	170W UHE
	Life	4000Hr ( Low Brightness ) * 3000Hr ( High Brightness ) *
<b>OPTICAL SYSTEM</b>	Dichroic Mirror Separation & Prism combine method	
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>	30 to 300 inch [1.19 to 12.12m] (Zoom: Tele), 30 to 300 inch [0.87 to 8.97m] (Zoom: Wide)	
<b>BRIGHTNESS</b>		
	High Brightness Mode	2200 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	1760 ANSI lumens (Colour mode: Game, Zoom: Wide)
<b>CONTRAST</b>	400:1	
<b>BRIGHTNESS UNIFORMITY</b>	90% (Typ.)	
<b>COLOUR REPRODUCTIVITY</b>	Full colour (16.77 million colours)	
<b>VIDEO QUALITY</b>	3D Y/C separation (NTSC only), Motion compensated Interlace-Progressive conversion (3-2 film detection only)	
<b>SOUND OUTPUT</b>	1W monaural	
<b>EFFECTIVE SCANNING FREQUENCY RANGE (ANALOG)</b>		
<b>PIXEL CLOCK</b>	13.5MHz to 162MHz up to UXGA 60Hz	
<b>HORIZONTAL</b>	15KHz to 92KHz	
<b>VERTICAL</b>	50Hz to 85KHz	
<b>ADJUSTMENT FUNCTION</b>		
<b>PROJECTOR / REMOTE CONTROL</b>	Brightness / Contrast / Tint / Saturation / Sharpness / Input Signal Colour Temperature / Tracking / Position / Sharpness / Volume e.t.c. /	
<b>FOOT ADJUSTER</b>	Front-center	
<b>TILT ANGLE</b>	0 to 11 degrees	
<b>AUTO KEYSTONE CORRECTION</b>	Vertical: -30 to +30 degrees	
<b>PASSWORD PROTECTED FUNCTION (security function)</b>	Implemented	
<b>ANALOGUE RGB I/O</b>		
<b>DISPLAY PERFORMANCE</b>	Native	1024 x 768 pixels
<b>INPUT SIGNAL</b>	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)
<b>INPUT TERMINAL</b>	Audio signal	500mVrms / 47k-ohm
	Video	D-sub 15pin x 1 Blue moulding
<b>OUTPUT SIGNAL</b>	Audio	RCA x 1 (White/Red)
	Video	Analog (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
<b>OUTPUT TERMINAL</b>	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)

<b>VIDEO I/O</b>		
<b>DISPLAY PERFORMANCE</b>		NTSC: 560 line PAL: 560 lines (Depends on observation of the multi burst pattern)
<b>INPUT SIGNAL</b>	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
<b>INPUT TERMINAL</b>	Video	Composite Video: RCA (Yellow) x1 S-Video: Mini DIN Component Video: D-sub 15pin Blue moulding
	Audio	RCA x 1 (White/Red)
<b>CONTROL I/O</b>		
<b>USB I/O</b>	I/O terminal	Type B x 1 (for mouse, K/B, control)
<b>OPERATING TEMPERATURE</b>	5°C to 35°C (41°F to 95°F) > (20%-80% Humidity)	
<b>COOL-DOWN PERIOD</b>	"Instant Off"	
<b>START-UP PERIOD</b>	Approx. 5 seconds (warm up 30 seconds)	
<b>DIMENSION</b>		
<b>EXCLUDE FEET</b>	245(D) x 327(W) x 92(H) mm	
<b>MAXIMUM DIMENSION</b>	245(D) x 327(W) x 108(H) mm	
<b>WEIGHT</b>	Approx. 2.7kg	
<b>FAN NOISE</b>		
<b>HIGH BRIGHTNESS MODE</b>	35dB	
<b>LOW BRIGHTNESS MODE</b>	28dB	
<b>WARRANTY</b>		
<b>STANDARD WARRANTY</b>	2 years* *excluding lamp	
* For more information visit <a href="#">Epson Projector Warranty Website</a>		
<b>ACCESSORIES</b>		
<b>POWER CORD</b>	1.8m	
<b>COMPUTER CABLE</b>	1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)	
<b>REMOTE CONTROL</b>	Included	
<b>SOFT CARRYING CASE</b>	Included	
<b>PASSWORD PROTECT STICKER</b>	Included	
<b>AIR FILTER</b>	Included	
<b>Epson PROJECTOR SOFTWARE</b>	CD-ROM	
<b>OWNER'S MANUAL</b>	CD-ROM	
<b>PRODUCT OPTIONS</b>		
	<b>Item Code</b>	<b>Description</b>
	V13H010L41	Lamp
	7012083	Ceiling mount with telescopic pole
	7012084	Ceiling mount standard
	3YWEMPX5	3rd Year Warranty (*Australia Only)

\*Subject to operation and environmental conditions.