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Epson EMP-6110 Multimedia Projectors Specification Sheet

Advanced Protection and reliability for a wide range of operational environments

PRODUCT TYPE	Install Multimedia Projectors
PRODUCT NAME	EMP-6110
PRODUCT CODE	V11H267053
PROJECTION SYSTEM	RGB Liquid Crystal Shutter Projection System
PROJECTION METHOD	Front / Rear / Ceiling Mount
SPECIFICATION OF MAIN PARTS	
LCD	Size 0.8 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 Cross Stripe
	Refresh Rate 50Hz-72Hz
PROJECTION LENS	Type Manual zoom & focus
	F-number 1.75 - 2.42
	Focus length 24 - 38.2mm
	Zoom ratio 1:1.6
	Lens Cover Integrated Cover glass
LAMP	Type 230 W UHE
	Life Up to 3500 Hrs High Brightness Up to 4000 Hrs Low Brightness
SCREEN SIZE (PROJECTED DISTANCE)	30 to 300 inch [1.39 to 14.69m] (Zoom: Tele), 30 to 300 inch [0.83 to 9.06m] (Zoom: Wide) 60" screen 1.8m - 2.9m
OFF SET	10:1
BRIGHTNESS	
	High Brightness 3500 ANSI lumens Mode (Colour mode: Game, Zoom: Wide)
	Low Brightness 2700 ANSI lumens Mode (Colour mode: Game, Zoom: Wide)
CONTRAST	600:1
BRIGHTNESS UNIFORMITY	90% (Typ.)
COLOUR REPRODUCTION	Full colour (16.77 million colours)
VIDEO QUALITY	Simple Interlace - Progressive conversion
SOUND OUTPUT	5W monaural
FUNCTION	Pointer, User Logo, A/V mute, Freeze, E Zoom, Help
COLOUR MODES	PC: Text, Photo, Presentation, Theatre, Game, Blackboard, sRGB, Customised Video: Sports, Presentation, Theatre, Text, Game, sRGB, Blackboard, Customised
EFFECTIVE SCANNING FREQUENCY RANGE	
PIXEL CLOCK	13.5MHz to 162MHz up to UXGA 60Hz
HORIZONTAL	15KHz to 99KHz
VERTICAL	50Hz to 120Hz
ADJUSTMENT FUNCTION	
PROJECTOR / REMOTE CONTROL	Brightness / Contrast / Tint / Saturation / Volume / Input signal etc.
FOOT ADJUSTER	Front-right and left
TILT ANGLE	0 to 10 degrees
KEystone CORRECTION	Vertical: -30 to +30 degrees
SOURCE SEARCH	YES
AUTO DETECTION OF RGB/COMPONENT	YES
MULTI SCREEN COLOUR ADJUSTMENT	YES
OPERATION PANEL PROTECTION FUNCTION	YES
PASSWORD PROTECTED (SECURITY FUNCTION)	YES (Protection of User logo, Time lock, Network)
DIMENSION	
EXCLUDE FEET	340(D) x 465(W) x 146(H) mm
MAXIMUM DIMENSION	340(D) x 465(W) x 160(H) mm
WEIGHT	Approx. 7Kg
FAN NOISE	
LOW BRIGHTNESS MODE	33dB
HIGH BRIGHTNESS MODE	39dB

ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native	1024 x 768 pixels
INPUT SIGNAL	Signal type	Separate signal
	Video signal	Analogue (0.7Vp-p, 75ohm / Mac 0.714Vp-p, 75ohm)
INPUT TERMINAL	Sync. signal	Separate (positive & negative, bi-polarity 2-5Vp-p) / Composite (positive & negative, bi-polarity 2-5Vp-p) / Sync-on-green (negative, 0.3Vp-p)
	Audio signal	500mVrms / 47K-ohm
OUTPUT SIGNAL	Video	Mini D-sub 15pin x2 Blue mouldings
	Audio	Stereo mini jack x2
OUTPUT TERMINAL	Video Signal	Analog (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
	Sync. Signal	Separate (positive & negative, TTL) / Composite (positive & negative, TTL) / Sync. on green (negative 0.2-0.4 Vpp)
OUTPUT TERMINAL	Video	Mini D-sub 15pin x1 Black moulding
OUTPUT TERMINAL	Audio	Stereo mini-jack
VIDEO I/O		
DISPLAY PERFORMANCE		NTSC: 560 line PAL: 560 line (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 0.7V 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 / 47Kohm
	Video	Composite Video: RCA (Yellow) x1 S-Video: Mini DIN Component Video: Mini D-sub 15pin Blue moulding (in common with Analog RGB connector) Video-RGB: Mini D-sub 15pin Blue moulding (in common with Analog RGB connector)
	Audio	RCA (White/Red) x2
CONTROL I/O		
USB I/O	I/O terminal	USB connector series B x1 (for mouse control)
SERIAL I/O	I/O terminal	D-sub 9pin x1
	I/O signal	RS-232C RJ45 x1
NETWORK INTERFACE		
OPERATING TEMPERATURE		0°C to 40°C (32°F to 104°F), (20% - 80% Humidity)
COOL-DOWN PERIOD		0 sec (Instant off)
START-UP PERIOD		Approx. 15 seconds
POWER SUPPLY VOLTAGE		100 - 120V / 200 - 240V ±10%, 50/60Hz AC
ACCESSORIES		
POWER CORD		3m
COMPUTER CABLE		1.8m, D-sub 15pin (Male - Male)
REMOTE CONTROL		Included
BATTERY		Alkaline AAA x 2
PASSWORD PROTECT SEAL		Included
Easy MP Part	Function	ESC/VP.net E-mail notification SNMP Web control PJ-Link EMP Monitor (for Windows)
OWNER'S MANUAL	Software	Included
WARRANTY		
STANDARD WARRANTY		3 years* *excluding lamp
* For more information visit Epson Projector Warranty		
PRODUCT OPTIONS		
Product Code	Item Code	Description
ELP-LP45	V13H010L45	Lamp

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.