



Epson EMP-1810 Projector

Specification Sheet

The ultimate solution for high performance presentations

PRODUCT TYPE	Portable Multimedia Projector	
PRODUCT NAME	EMP-1810	
PRODUCT CODE	V11H233053	
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-60Hz
PROJECTION LENS	Type	Manual: zoom / focus
	F-number	1.75 - 2.42
	Focus length	24 - 38.2mm
	Zoom ratio	1:1.6
	Offset	6:1
PROJECTION LAMP	Type	E-TORL 210 W UHE
	Optical System	Dichroic Mirror Separation & Prism Combine Method
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	
BRIGHTNESS		
	High Brightness Mode	3500 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	2700 ANSI lumens (Colour mode: Game, Zoom: Wide)
CONTRAST	500:1	
BRIGHTNESS UNIFORMITY	90% (Typ.)	
COLOUR REPRODUCTIVITY	Full colour (16.77 million colours)	
SOUND OUTPUT (Internal speaker)	5W monaural	
FUNCTION	Pointer, User Logo, A/V mute, Freeze, E Zoom, Help	
EFFECTIVE SCANNING FREQUENCY RANGE (Analog)		
PIXEL CLOCK	13.5MHz to 162MHz	
HORIZONTAL	15KHz to 99KHz	
VERTICAL	50Hz to 1205Hz	
ADJUSTMENT FUNCTION		
PROJECTOR / REMOTE CONTROL	Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal	
HEIGHT ADJUSTER	Front-centre	
TILT ANGLE	0 to 10 degrees	
KEystone CORRECTION	Vertical: -45 to +45 degrees (Zoom: Tele)	
	Horizontal: -30 to +30 degrees (Zoom: Tele)	
AUTO KEYSTONE CORRECTION	Vertical: -30 to +30 degrees (Zoom: Tele)	
SOURCE SEARCH	Yes	
AUTO DETECTION OF RGB / YCbCr	Yes	
MULTI SCREEN COLOUR ADJUSTMENT	Yes	
OPERATION PANEL PROTECTION FUNCTION	Yes	
PASSWORD PROTECTED FUNCTION	Yes	
ANALOGUE RGB I/O		
DISPLAY PERFORMANCE	Native 1024 x 768 pixels	
INPUT SIGNAL	Signal type	Separate signal
	Video signal	Analogue (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
	Sync. signal	Separate (positive & negative, bi-polarity 2-5Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
	Audio signal	500mVrms / 47K-ohm
VIDEO INPUT TERMINAL	D-sub 15pin x 2 Blue-moulding	

VIDEO I/O

DISPLAY PERFORMANCE

INPUT SIGNAL

Video standard
Video signal

NTSC: 560 lines PAL: 560 lines (Depends on observation of the multi burst pattern)
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 0.7V 75 ohm / 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)

VIDEO INPUT TERMINAL

Audio signal

500mVrms / 47Kohm
Composite Video: RCA (Yellow) x 1
S-Video: Mini DIN
Component Video: Mini D-sub 15pin Blue-moulding x 2 (in common with Analog RGB connector)
Video-RGB: Mini D-sub 15pin 2 x Blue-moulding (in common with Analog RGB connector)
USB Display

CONTROL I/O

USB I/O

I/O terminal
I/O speed

Type B x1 (for mouse, K/B, control)
Type B x 1: Ver 1.1

SERIAL I/O

I/O Terminal
I/O signal

D-sub 9 pin x 1
RS232C

OPERATING TEMPERATURE

5°C to 35°C (41°F to 95°F), (20% - 80% Humidity unfrozen)
Thermal shutdown > 45 degree C

OPERATING ALTITUDE

0m to 2286m < 0ft to 7500ft >
(over 1500m / 4,921ft with high altitude mode)

DIRECT Power On

Yes

DIRECT Power Off

Yes

COOL-DOWN PERIOD

Instant off

START-UP PERIOD

Approx. 10 seconds (Warm up period 30sec)

Exhaust direction

side

THEFT PROOF

Padlock & Security cable connection Yes
Kensington Lock connection Yes

POWER CONSUMPTION

lamp On 286W

DIMENSION

EXCLUDE FEET

257(D) x 345(W) x 86(H)mm

MAXIMUM DIMENSION

257(D) x 345(W) x 95(H)mm

WEIGHT

Approx. 2.9Kg

FAN NOISE

HIGH BRIGHTNESS MODE

37dB

LOW BRIGHTNESS MODE

32dB

ACCESSORIES

POWER CORD

3m

COMPUTER CABLE

1.8m, D-sub 15pin (Male) - Mini D-sub 15pin (Male)

REMOTE CONTROL

Compact type

BATTERY

Alkaline AAA x 2

AUDIO ADAPTER

3.5mm stereo miniplug (male) <-> RCA jack x2 (female) 15cm

SOFT CARRYING CASE

Included

LENS COVER

Built In

USER MANUAL SET

Included (CD-ROM)

PASSWORD PROTECT STICKER

Included

OWNER'S MANUAL

Included

WARRANTY

STANDARD WARRANTY

2 years* *excluding lamp

* For more information visit [Epson Projector Warranty](#)

PRODUCT CODE

V11H233053

PRODUCT OPTIONS

Product Code

ELP-LP40

Item Code

V13H010L40

Description

Lamp

3YWEMP1810

3YWEMP1810

3rd Year Warranty (*Australia Only)

7012084

7012084

Standard flush Ceiling Mount

7012083

7012083

Ceiling Mount with extendable pole (460mm expandable to 750mm)