



# Epson EMP-1810 Projector

## Specification Sheet

### The ultimate solution for high performance presentations

<b>PRODUCT TYPE</b>	Portable Multimedia Projector	
<b>PRODUCT NAME</b>	EMP-1810	
<b>PRODUCT CODE</b>	V11H233053	
<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	0.8 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
<b>PROJECTION LENS</b>	Type	Manual: zoom / focus
	F-number	1.75 - 2.42
	Focus length	24 - 38.2mm
	Zoom ratio	1:1.6
	Offset	6:1
<b>PROJECTION LAMP</b>	Type	E-TORL 210 W UHE
	Optical System	Dichroic Mirror Separation & Prism Combine Method
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>	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	
<b>BRIGHTNESS</b>		
	High Brightness Mode	3500 ANSI lumens (Colour mode: Game, Zoom: Wide)
	Low Brightness Mode	2700 ANSI lumens (Colour mode: Game, Zoom: Wide)
<b>CONTRAST</b>	500:1	
<b>BRIGHTNESS UNIFORMITY</b>	90% (Typ.)	
<b>COLOUR REPRODUCTIVITY</b>	Full colour (16.77 million colours)	
<b>SOUND OUTPUT (Internal speaker)</b>	5W monaural	
<b>FUNCTION</b>	Pointer, User Logo, A/V mute, Freeze, E Zoom, Help	
<b>EFFECTIVE SCANNING FREQUENCY RANGE (Analog)</b>		
<b>PIXEL CLOCK</b>	13.5MHz to 162MHz	
<b>HORIZONTAL</b>	15KHz to 99KHz	
<b>VERTICAL</b>	50Hz to 1205Hz	
<b>ADJUSTMENT FUNCTION</b>		
<b>PROJECTOR / REMOTE CONTROL</b>	Keystone / Brightness / Contrast / Tint / Saturation / Sound / Input signal	
<b>HEIGHT ADJUSTER</b>	Front-centre	
<b>TILT ANGLE</b>	0 to 10 degrees	
<b>KEystone CORRECTION</b>	Vertical: -45 to +45 degrees (Zoom: Tele)	
	Horizontal: -30 to +30 degrees (Zoom: Tele)	
<b>AUTO KEystone CORRECTION</b>	Vertical: -30 to +30 degrees (Zoom: Tele)	
<b>SOURCE SEARCH</b>	Yes	
<b>AUTO DETECTION OF RGB / YCbCr</b>	Yes	
<b>MULTI SCREEN COLOUR ADJUSTMENT</b>	Yes	
<b>OPERATION PANEL PROTECTION FUNCTION</b>	Yes	
<b>PASSWORD PROTECTED FUNCTION</b>	Yes	
<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 (0.7Vpp, 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
<b>VIDEO INPUT TERMINAL</b>	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 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)