

# Specifications

<b>Model</b>	EMP-7800
<b>Part Number</b>	V11H119052
<b>Projection System</b>	EPSON Original LCD Prism Technology
<b>Projection Method</b>	Front / Rear / Ceiling mount
<b>LCD</b>	
Size	1.0"
Driving Method	EPSON Poly-Silicon TFT LCD Active Matrix
Pixel Number	786,432 (1024 x 768) pixels x 3
Native Resolution	XGA
Aspect Ratio	4:3
Pixel Arrangement	Stripe
<b>Projection Lens</b>	
Type	Manual: Zoom / Focus
F-number	1.7 - 2.3
Focal Length	28 - 37mm
Zoom Ratio (Digital)	1:1.35
<b>Lamp</b>	
Type	UHE 250W
Life (Typical)	2000 Hours (High Brightness Mode) / 3000 Hours (Low Brightness Mode)
<b>Screen Size (Projected Distance)</b>	30" to 300" diagonal (0.8 to 11m)
<b>Keystone Correction</b>	Vertical: +/- 40° / Horizontal: +/- 20°
<b>Brightness (Typical)</b>	3500 ANSI Lumens (High Brightness Mode) / 2500 ANSI Lumens (Low Brightness Mode)
<b>Contrast Ratio (Typical)</b>	700:1
<b>Brightness Uniformity (Typical)</b>	90%
<b>Color Reproduction</b>	Full Color (16.7 million colors)
<b>Speaker</b>	5W Monoaural
<b>Effective Scanning Frequency Range</b>	
Pixel Clock	Analog: 13.5 to 230 MHz / Digital: 25 to 135 MHz
Horizontal	Analog: 15 to 107 KHz / Digital: 15 to 80 KHz
Vertical	Analog: 50 to 120 Hz / Digital: 50 to 85 Hz
<b>Analog RGB Input</b>	
Display Performance	
Native	XGA (1024 x 768)
Resize	Up to UXGA (1600x1200)
Input Terminal	
Video	Mini D-sub 15pin x 1, 5-BNC x 1
Audio	Mini D-sub 15pin: Stereo Mini Jack x 1, 5-BNC: RCA (L/R) x 1
Output Terminal	
Video	Mini D-sub 15 pin
Audio	Stereo Mini Jack x1
<b>Digital RGB Input</b>	
Display Performance	
Native	XGA (1024 x 768)
Resize	Up to SXGA (1280x1024)
Input Terminal	
Video	DVI-D x 1
Audio	Stereo Mini Jack x 1
<b>Video I/O</b>	
Display Performance	560 TV Line
Input Signal	NTSC, NTSC4.43, PAL, M-PAL, N-PAL, PAL60, SECAM SDTV / HDTV: 480i (525i), 480p (525p), 720p (750p), 1080i (1125i)
Input Terminal	
Video	BNC x 1 (Component Video / Video RGB), RCA x 1, S-Video x 1
Audio	RCA (L/R) x 3
<b>Control I/O</b>	
USB I/O	USB Type B x 1
Serial	Mini D-sub 9pin x 1 (RS-232C)
Remote Control	Stereo Mini Jack x 1
Network	RJ45 x 1
<b>Operating Temperature</b>	5°C to 35°C (41°F to 95°F)
<b>Power Supply Voltage</b>	100-240V +/- 10%, 50/60Hz AC
<b>Maximum Dimension</b>	419(W) x 325(D) x 138mm(H)
<b>Weight</b>	5.5 kg / 12.1 lbs
<b>Fan Noise</b>	36 dB (High Brightness Mode) / 33 dB (Low Brightness Mode)
<b>Accessories</b>	Power cord, Mini D-sub 15-pin VGA cable, RCA video/audio cable, audio cable (Stereo Mini Jack), mouse cable (USB Type A-USB Type B), remote control (battery included), software CD-ROM (application software), user's manual, quick reference guide

## Projection Distance (Standard Lens)

Diagonal Screen Size (Inches)	Wide(cm)	Tele (cm)
30	77	107
40	105	144
60	161	219
80	216	293
100	272	368
150	411	554
200	550	740
300	827	1113