



# EMP-1700 / 1710 / 1715

## A brilliant light in the world of ultra portable projectors

- Incredibly bright and efficient E-TORL lamp
  - Quick start-up and instant power-off
  - AV Mute Slide for effective presentations
    - Absolute ease-of-use
- Wireless 802.11 a/b/g with advanced security (EMP-1715)
  - PC free presentations (EMP-1715)
- Smart connect: USB Plug & Play (EMP-1715)
- Wireless MPEG2 video transfer (EMP-1715)
  - Multi-screen display (EMP-1715)

# EPSON 17 SERIES

***For any situation where presentation image quality is important – but without any compromise in features and portability, the new Epson 17 series multimedia projectors deliver at every level. This new family of projectors shine a new and brilliant light on any presentation complete with high-speed wireless connectivity (EMP-1715).***

## Superior 3LCD technology

Presentations, whether in static form or video, are best displayed by digital technology. At the heart of Epson projectors is the world-leading 3LCD technology. It's an advanced digital technology featuring three independent LCD panels (one each for red, green and blue light) that give form to images with silky smooth movement and fresh, natural colours.



Brighter, more vibrant colour and unequalled quality are characteristics of 3LCD technology – characteristics that underpin the Epson 17 series projectors to deliver outstanding results in any presentation environment. Due to 3LCD's incredibly efficient use of light, the Epson 17 series projectors achieve exceptional clarity and flicker-free presentations.

## Smaller, lighter and brighter

With a bite size foot print and weighing only 1.6/1.7kg (EMP-1715)\*, the Epson 17 series multimedia projectors are compact units for the power they deliver. Underpinning the projectors' near perfect balance of size and power are world-leading Epson technologies, such as the advanced 3LCD panel system and the light-efficient Epson Twin Optimised Reflection Lamp (E-TORL).

\* Not including protruding parts, such as the optional LAN connector (EMP-1715)

## Brilliant usability

In keeping with the Epson projector reputation of absolute ease of use, the new Epson 17 series projectors have been designed with a host of features that add value to presentations. An A/V Mute Slide, which can be used to suspend then resume presentations, and Direct Power-On and Instant Power-Off capabilities that eliminate projector warm-up and cool-down times – essential features in projectors for people on the move.

## Mobile solutions

The combination of advanced features, such as Instant Power-Off and compact size, sets the Epson 17 series projectors in a class of their own as truly mobile projectors. In a matter of seconds, an Epson 17 series projector can go from its stylish carry case to helping you deliver a powerful, high impact presentation.





## Incredible levels of light efficiency **E-TORL**

The efficient use of light is not surprisingly one of the most crucial factors in the quality and performance of a projector. With that in mind, Epson designed and engineered the light efficient Epson Twin Optimised Reflection Lamp (E-TORL) Technology to produce a lamp so small and highly efficient as to be well ahead of its time.



## EMP-1715 Wireless Projector

### Multi-Screen display

By taking advantage of the PC and Macintosh extended desktop capabilities, a single computer can be used to control wirelessly and simultaneously up to four Epson EMP-1715s, with each one displaying the content of a separate application.



### Movie sending

Whether in a corporate boardroom or a classroom, the Epson EMP-1715 provides an outstanding MPEG2 video experience. Utilising advanced high performance file transfer technology built-in to the unit, MPEG2 files can be wirelessly transferred directly to the projector for high quality and – importantly – full screen video display.

### Designed for any network environment

In the corporate networked environment, the Epson EMP-1715 ensures simple and seamless connectivity, either wired (optional wired LAN adaptor available) or wireless.

To ensure optimum compatibility with corporate and education IT environments, the Epson EMP-1715 projector with its bundled software is ready for use with both PC and Macintosh computers.

### Wireless freedom

High speed wireless connectivity (802.11 a/b/g) provides unparalleled presentation freedom, which puts the seamless transfer of PowerPoint presentations, photos and moving graphics at your fingertips – with only a power cable. Epson has designed the EMP-1715 to meet the demands of even the most security conscious enterprise. Wireless security and encryption technologies built into the projector include WEP, WPA-PSK, WPA-EAP, TTLS, PEAP connection and authentication methods.

### PC-Free presentations

Simply connect a USB memory device containing images, MPEG2 format movies or compatible presentation files to the Epson EMP-1715's USB port to realise the true potential of mobile projection technology. Adding even further to the flexibility of the Epson EMP-1715 is the included slidemaker software that quickly and effortlessly converts Microsoft® PowerPoint® files to a compatible format.



# Epson EMP-1700 / 1710 / 1715 Projectors

# Specifications



<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	0.7 inches with MLA (D4.5)
	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-72Hz
	Type	Manual: zoom / focus
	F-number	1.6 - 1.77
	Focal length	23.77 - 28.54mm
<b>PROJECTION LENS</b>	Zoom ratio	1 - 1.2
	Offset	6:1
	Type	170W UHE (ETORL)
	Optical system	Dichroic Mirror separation & Prism Combine Method
<b>LAMP</b>	Type	170W UHE (ETORL)
	Optical system	Dichroic Mirror separation & Prism Combine Method

<b>SCREEN SIZE (PROJECTED DISTANCE)</b>		
	30 to 300 inch [1.2 to 12.1m] (Zoom: Tele)	
	30 to 300 inch [1.0 to 10.1m] (Zoom: Wide)	
	60" screen 2.0m - 2.4m	

<b>BRIGHTNESS</b>	<b>EMP-1700</b>	<b>EMP-1710 / EMP-1715</b>
HIGH BRIGHTNESS MODE	2200 ANSI lumens (Colour mode: Game, Zoom: Wide)	2700 ANSI lumens (Colour mode: Game Zoom: Wide)
LOW BRIGHTNESS MODE	1700 ANSI lumens (Colour mode: Game, Zoom: Wide)	2100 ANSI lumens (Colour mode: Game, Zoom: Wide)

<b>CONTRAST</b>	400:1	
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<b>BRIGHTNESS UNIFORMITY</b>	83% (Typ.)	
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<b>COLOUR REPRODUCTIVITY</b>	Full Colour (16.77 million colours)	
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<b>SOUND OUTPUT (INTERNAL SPEAKER)</b>	1W Monaural	
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<b>FUNCTION</b>	Pointer, User Logo, A/V mute, Freeze, E zoom, HELP	
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<b>COLOUR MODES</b>	PC: Photo, Presentation, Theatre, Game, sRGB Video: Sports, Presentation, Theatre, Game, sRGB, Blackboard, Custom	
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<b>EFFECTIVE SCANNING FREQUENCY RANGE (ANALOG)</b>		
PIXEL CLOCK	13.5MHz to 162MHz	
HORIZONTAL	15KHz to 92KHz	
VERTICAL	50Hz to 85Hz	

<b>ADJUSTMENT FUNCTION</b>	<b>EMP-1715</b>	<b>EMP-1700 / EMP-1710</b>
PROJECTOR / REMOTE CONTROL	Tint / Saturation Sound / Input signal etc.	Keystone / Brightness Contrast / Tint / Saturation / Sound / Input signal etc.

HEIGHT ADJUSTER	Front centre	
TILT ANGLE	0 to 12 degrees	
KEystone CORRECTION	Vertical: -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	
OPERATION PANEL PROTECTED FUNCTION	Yes	
PASSWORD PROTECTED FUNCTION	Protection of User logo, Time lock, Network	

<b>ANALOGUE RGB I/O</b>		
DISPLAY PERFORMANCE	Native	1024 x 768 pixels
INPUT SIGNAL	Signal type	Separate signal
	Video Signal	Analogue (0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm) (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
INPUT TERMINAL (EMP-1700 / EMP-1710)	Sync. Signal	D-sub 15pin x 1 Blue-moulding
	Video	D-sub 15pin x 1 Blue-moulding
INPUT TERMINAL (EMP-1715)	Video	D-sub 15pin x 1 Blue-moulding

<b>VIDEO I/O</b>		
DISPLAY PERFORMANCE	NTSC: 560 lines PAL: 560 lines (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 75 ohm / Cr Cb level +/-0.35V 75ohm / sync negative 0.3V or 3-state +/-0.3V on Y)
Video Signal	Video-RGB	(0.7Vpp, 75ohm / Mac 0.714Vpp, 75ohm)
	Audio	500mVrms / 47Kohm

<b>VIDEO INPUT TERMINAL</b>		
	Composite Video: RCA (Yellow) x 1	
	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)	
	USB Display (EMP-1715 only)	

<b>AUDIO I/O</b>		
AUDIO SIGNAL	500mVrms / 47Kohm	
AUDIO TERMINAL	Stereo mini jack x 1 (Audio In only) (Audio In or Out are selectable on OSD menu) (Audio Out is available via EasyMP)	
EMP-1700 / EMP-1710		
EMP-1715		

<b>CONTROL I/O</b>		
USB I/O	I/O Terminal	Type B x 1 (for mouse, K/B, control) Type A x 1 (for IM-X) EMP 1715 only

<b>NETWORK I/O (EMP-1715)</b>		
USB I/O	Type	Type A x 1 (special I/O) Supported Wireless LAN Standard accessory Supported Ethernet Optional Unit V12H005M02

<b>OPERATING TEMPERATURE</b>		
	5°C to 35°C <41°F to 95°F> (20% to 80% Humidity) Thermal shutdown > 45 degree C	

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

<b>DIRECT POWER ON</b>	Yes	
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<b>COOL-DOWN PERIOD</b>	Instant Off	
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<b>START-UP PERIOD</b>	Approx. 5 sec	
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<b>POWER SUPPLY VOLTAGE</b>	100-240VAC ±10%, 50/60Hz / 100-240VAC 2.7-1.1A 50/60Hz	
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<b>POWER CONSUMPTION</b>	Lamp On 228W	
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<b>DIMENSION</b>		
EXCLUDING FEET	193(D) x 273(W) x 68(H) mm	
MAXIMUM DIMENSIONS	193(D) x 273(W) x 79(H) mm	

<b>WEIGHT</b>	<b>EMP-1715</b>	<b>EMP-1700 / EMP-1710</b>
	Approx. 1.7Kg	Approx. 1.6Kg

<b>FAN NOISE</b>	High brightness mode 40dB / Low brightness mode 35dB	
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<b>ACCESSORIES</b>	<b>EMP-1715</b>	<b>EMP-1700 / EMP-1710</b>
POWER CORD	1.8m	
COMPUTER CABLE	1.8m, Mini D-sub 15pin (Male) - Mini D-sub 15pin (Male)	1.8m, Mini D-sub 15pin (Male) - Mini D-sub 15pin (Male)
USB CABLE	1.8m, USB A / B HI-SPEED	
REMOTE CONTROL	Compact type (included)	
BATTERY	Alkaline AAA x 2	
AUDIO ADAPTER	3.5mm stereo miniplug (male) <-> RCA jack x2 (female) 15cm	3.5mm stereo miniplug (male) <-> RCA jack x2 (female) 15cm
WIRELESS LAN ADAPTOR	Attached (802.11a/b/g)	
SOFT CARRYING CASE	Included	
LENS COVER	Included	
SOFTWARE	Included (CD-ROM)	
PASSWORD PROTECT STICKER	Included	
OWNER'S MANUAL	Included	

<b>EASY MP (EMP-1715 only)</b>		
FUNCTION	802.11 a/b/g wireless connectivity Projector control and projector management via network Email notification SNMP PC Free Network presentation ( Network and USB ) Web Control EMP Monitor ( for Windows ) EMP NS Connection ( for windows and Mac ) EMP Slide Maker2 ( for Windows ) WEP, WPA-PSK (TKIP), WPA-PSK(AES) EAP-TLS, EAP-TTLS/MD5, EAP-TTLS/MS-CHAPv2, PEAP/MS-CHAPv2, PEAP/GTC LEAP EAP-East/MS-CHAPv2 EAP-Fast/GTC	
SOFTWARE	Security ( Wireless LAN )	

<b>WARRANTY</b>		
STANDARD	2 years (excluding lamp) For warranty terms and conditions see <a href="http://www.epson.com.au/warranty/projector">www.epson.com.au/warranty/projector</a>	

<b>OPTIONS</b>		
PRODUCT CODE	DESCRIPTION	
V13H010L38	Lamp	
3YWEMP1700	3rd Year Warranty (EMP-1700)	
3YWEMP1710	3rd Year Warranty (EMP-1710)	
3YWEMP1715	3rd Year Warranty (EMP-1715)	
7012083	Ceiling Mount with extendable pole (460mm expandable to 750mm) Standard flush Ceiling Mount LAN Adaptor (EMP-1715)	
7012084		
V12H005M02		

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