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HOME THEATRE PROJECTORS

## EPSON EMP-TW100



## EPSON EMP-TS10



### Specifications

#### EMP – TS10 HOME THEATRE PROJECTOR

<b>PROJECTION SYSTEM</b>	RGB Liquid Crystal Shutter Projection System	
<b>PROJECTION METHOD</b>	Front / Rear / Ceiling Mount	
<b>SPECIFICATION OF MAIN PARTS</b>		
LCD	Size	0.9inches (x3)
	Driving method	Poly-silicon TFT Active Matrix
	Pixel number	480,000 dots (800x600) x3
	Native Resolution	SVGA
	Aspect ratio	4:3
	Pixel Arrangement	Stripe
Projection Lens	Type	Manual: zoom / focus
	F-number	1.74 to 2.06
	focus length	28.3 to 37.98mm
	Zoom ratio	1:1.35
	Lens cover	Attached
Lamp	Type	150 W UHE
	Optical System	Dichroic Mirror Separation & Prism combine method
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>	30 to 300 inch(0.871 to 12.48m)	
<b>KEYSTONE CORRECTION RATIO</b>	10:0	
<b>BRIGHTNESS</b>	700 ANSI lumens	
<b>CONTRAST</b>	600:1	
<b>BRIGHTNESS UNIFORMITY</b>	85%	
<b>COLOUR REPRODUCTION</b>	Full colour (16.7million colours)	
<b>SOUND OUTPUT</b>	5W	
<b>ADJUSTMENT FUNCTION</b>	Projector / Remote Control	Keystone(Vertical and Horizontal) / Brightness / Contrast / Tint / Sound / Input signal etc.
	Tilt Angle	0 to 12 degrees
	Keystone Correction	Vertical: -30 to +30 degrees Horizontal: -10 to +10 degrees

<b>RGB ANALOGUE RGB INPUT</b>		
Display Performance	Native	800 x 600 dots
	Resize	1280 x 1024 / 1024 x 768 / 640 x 480 dots
Input Signal	Signal type	Separate signal
	Video Signal	Analogue (0.7Vp-p, 75 ohm) / Mac 0.714Vp-p, 75ohm)
	Sync. Signal	Separate (positive & negative, bi-polarity 1-5Vp-p) / Composite (positive & negative, bi-polarity 1-5Vp-p) / Sync-on-green (negative, 0.3Vp-p) / 500mVrms / 47Kohm
Input Terminal	Audio Signal	DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)
	Video	Mini D-sub 15pin x1 Stereo mini jack RCA x2
Output Signal	Video Signal	Analogue (0.7Vp-p, 75 ohm) / Mac 0.714Vp-p, 75ohm)
	Sync. Signal	Separate (positive & negative, bi-polarity 1-5Vp-p) / Composite (positive & negative, bi-polarity 1-5Vp-p) / Sync-on-green (negative, 0.3Vp-p) / Mini D-sub 15pin x1
Output Terminal	Video	Mini D-sub 15pin x1

<b>DIGITAL RGB INPUT</b>		
Display Performance	Native	800 x 600 dots
	Resize	1280 x 1024 / 1024 x 768 / 640 x 480 dots
Input Signal	Video Signal	Digital
	Audio Signal	500mVrms / 47Kohm
Input Terminal	Video	DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)
	Audio	Stereo mini jack

<b>VIDEO I/O</b>		
Display Performance	NTSC: 550 lines PAL: 550 lines (Depend on observation of the multi burst pattern)	
	Input Signal	Video Standard NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM Composite Video (1.0Vp-p/ Sync negative, 75 ohm) / S-Video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p, 75 ohm) / Component Video (Analogue Y level 0.7V 75 ohm/ Cr Cb level +/-0.35V 75 ohm/ sync.negative 0.3V or 3-state +/-0.3V on Y) / Video-RGB (0.7V p-p, 75 ohm/ Mac 0.714Vp-p, 75 ohm)
Input Terminal	Audio Signal	500mVrms / 47Kohm
	Video	Composite Video: RCA x 1 S video: Mini DIN Component Video: Mini D-sub 15pin Video-RGB: Mini D-sub 15pin RCA x2 (for Composite Video/S-Video / Component Video) Stereo mini jack (for Video-RGB)

<b>CONTROL I/O</b>		
USB I/O	I/O terminal	USB connector series B x1 (for mouse, K/B, audio, control)
Serial I/O	I/O terminal	Mini D-sub 9pin x1
Input terminal	I/O signal	RS-232C
	Remote Control	Stereo mini jack x1

<b>OPERATING TEMPERATURE</b>	5°C to 35°C <41°F to 95°F>
<b>POWER SUPPLY VOLTAGE</b>	100-120V / 200-240V ±10%, 50/60Hz AC
<b>DIMENSION</b>	Exclude projection lens & feet 348(W) x 104(H) x 274(D) mm Maximum dimension 349(W) x 114(H) x 276(D) mm
<b>WEIGHT APPROX.</b>	9.3lbs / 4.2kg
<b>FAN NOISE</b>	31dB
<b>ACCESSORIES</b>	Power cord (3m) Remote Control Component video cable D-sub HD15pin (male)-3RCA(male) Battery (AA x 2) User's manual

#### EMP – TW100 HOME THEATRE PROJECTOR

<b>PROJECTION SYSTEM</b>	RGB Liquid Crystal Shutter Projection System	
<b>PROJECTION METHOD</b>	Front / Rear / Ceiling Mount	
<b>SPECIFICATION OF MAIN PARTS</b>		
LCD	Size	0.87 inches (x3)
	Driving method	Poly-silicon TFT Active Matrix
	Pixel number	921600 dots (1280x720)x3
	Native Resolution	W-XGA
	Aspect ratio	16:9 (Wide)
	Pixel Arrangement	Stripe
Projection Lens	Type	Manual: zoom / focus
	F-number	1.74 to 2.06
	focus length	28.3 to 37.98mm
	Zoom ratio	1:1.35
	Lens cover	Attached
Lamp	Type	150 W UHE
	Optical System	Dichroic Mirror Separation & Prism combine method
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>	30 to 300 inch (Wide 0.91m to Tele 13.01m) 60" / 1.87m, 90" / 2.83m	
<b>KEYSTONE CORRECTION RATIO</b>	7.3:-1	
<b>BRIGHTNESS</b>	700 ANSI lumens	
<b>CONTRAST (FULL)</b>	600:1	
<b>BRIGHTNESS UNIFORMITY</b>	80%	
<b>COLOUR REPRODUCTION</b>	Full colour (16.7million colours)	
<b>ADJUSTMENT FUNCTION</b>	Projector / Remote Control	Keystone/Black level/ White level/Tint/Input signal etc.
	Tilt Angle	0 to 12 degrees
	Keystone Correction	Vertical: -15 to +15 degrees

<b>RGB ANALOGUE RGB INPUT</b>		
Display Performance	Native	none
	Resize	PC98, EGA, VGA, VESA72/75/85, SVGA 56/60/72/75/85, XGA 43/60/70/75/85, 1152x864 70/75/85, OVGA 60/75/85, SXGA 43/60/75/85, Mac13"/16"/19"/21", iMac, 525i(60), 625i(50), 625P(50), 750P(50/60), 1125i(50/60), 1125P(50/60)
Input Signal	Signal type	Separate signal
	Video Signal	Analogue (0.7Vp-p, 75 ohm) / Mac 0.714Vp-p, 75ohm)
	Sync. Signal	Separate (positive & negative, bi-polarity 1-5Vp-p) / Composite (positive & negative, bi-polarity 1-5Vp-p) / Sync-on-green (negative, 0.3Vp-p) / 500mVrms / 47Kohm
Input Terminal	Audio	DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)
	Video	Mini D-sub 15pin Stereo mini jack RCA x2
Input Terminal	Video	Analogue (0.7Vp-p, 75 ohm) / Mac 0.714Vp-p, 75ohm)
	Video	Mini D-sub 15pin DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)

<b>DIGITAL RGB INPUT</b>		
Display Performance	Native	none
	Resize	OVGA, VGA, SVGA, XGA, SXGA
Input Signal	Digital	DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)
	Video	DVI Type 1 x 1 (DDC 2B compatible, analogue/digital auto detect)

<b>VIDEO</b>		
Composite / S Input	Display Performance	
	NTSC: 550 lines PAL: 550 lines (Depend 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 (1.0Vp-p/ Sync negative, 75 ohm) / S video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p, 75ohm) / Composite Video: RCA x 1, S video: Mini DIN
Input Terminal	Video	525i: 540 lines, 625i: 540 lines (I-P conversion, depend on observation of the multi burst pattern)
	Component Input	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM Composite Video (1.0Vp-p/ Sync negative, 75 ohm) / S video (Luminous 0.714Vp-p, Chrominous 0.286Vp-p, 75ohm) Composite Video: RCA x 1, S video: Mini DIN
Input Signal	Video Standard	525i(60) / 625i(50) / 525P(60) / 625P(50) / Y/Cb/Cr/750P(50/60) / 1125i(50/60) / Y/Pb/Pr
	Video signal	Component Video (Analogue Y level 0.7V 75 ohm/ Cr Cb level +/-0.35V 75 ohm/ sync.negative 0.3V or 3-state +/-0.3V on Y) / Mini D-sub 15pin, RCA x 3
Input Terminal	Video	Mini D-sub 15pin, RCA x 3

<b>CONTROL I/O</b>		
Serial I/O	I/O terminal	Mini D-sub 9pin x1
Output terminal	I/O signal	RS-232C
	Trigger out	mini jack x1
IR receiver		Front & Rear

<b>OPERATING TEMPERATURE</b>	5°C to 35°C <41°F to 95°F>
<b>POWER SUPPLY VOLTAGE</b>	100-120V / 200-240V ±10%, 50/60Hz AC
<b>DIMENSION</b>	Exclude projection lens & feet 348(W) x 104(H) x 274(D) mm Maximum dimension 349(W) x 114(H) x 276(D) mm
<b>WEIGHT APPROX.</b>	9.3lbs / 4.2kg
<b>FAN NOISE</b>	30dB
<b>ACCESSORIES</b>	Power cord (3m) Remote Control Battery (AA x 2) User's manual

\*Specifications are subject to change without notice due to technological improvements.

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HOME THEATRE PROJECTOR

## EPSON EMP-TW100 PROJECTOR

# THE AFFORDABLE → HOME THEATRE PROJECTOR

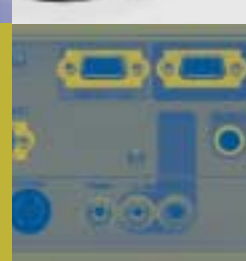


BRINGING THE MAGIC OF THE  
→ BIG SCREEN TO YOUR HOME

- Picture size from 30 to 300 inches
- True 16:9 wide screen
- DVD, Digital TV, PC and Game Consoles Compatible
- Analogue and digital compatibility

CINEMATIC

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→ →

## The EPSON EMP-TW100

# THE BIG SCREEN → EXPERIENCE IN YOUR HOME



It's time to personally experience the big picture of home entertainment. Your favourite DVDs on the big screen in your own home. Television sporting events so big that you and your friends will feel as if you're right in the crowd, video games as big as life, and net surfing like never before. With the EPSON EMP-TW100 projector, home theatre has simply never looked so good.



EMP-TW100  
REMOTE  
CONTROL



16:9 WIDE  
HIGH APERTURE  
TFT PANEL

MOVIES



GAMES



SPORTS



### BRILLIANT, BEAUTIFUL COLOUR

Image quality and bright, accurate colour are two of the absolute essentials in a modern home theatre – two essentials that the EMP-TW100 projector delivers with an innovative Colour Adjustment Menu. Selecting from five image colour modes it's easy to really maximise quality with optimised modes for DVD and movies, television, games and even one for the personal computer.

### BREAK OUT FROM THE CONFINES

For those times when the television just isn't big enough to deliver true image impact, the EMP-TW100 and projector have the answer with their ability to display images at sizes up to 300 inches. And, with a contrast ratio of 600:1 clarity, contrast, colour and image definition are right on the ball. Even in daylight conditions.

All around the world EPSON projectors are a familiar sight in corporate conference rooms and university lecture theatres – hardly surprising given EPSON's advanced projector technologies and global reputation as a colour image leader. Now, the technologies that make EPSON projectors a favourite with corporations and education institutions are giving home entertainment buffs the very best in big screen magic.

It's big screen magic that's bright, colourful and incredibly clear.



## ∟ The EPSON EMP-TW100

- Gives you the home theatre experience with images up to 300 inches
- Allow you to surf the net from your arm chair
- Are stylish, quiet, compact and exceptionally easy to use
- Put you in control with a powerful multi-function remote control
- Are compatible with TV, DVD, VCR, PC and gaming consoles
- Deliver the amazing image quality synonymous with EPSON

### STAYING IN FULL CONTROL

On-screen menus and clear control panels ensure your home theatre experience can be optimised right from your chair. The comprehensive remote control gives you the power of control over your entertainment environment.

### ALL TOGETHER. RIGHT NOW

Today's home theatre is a technology mix of incredibly powerful gaming consoles, DVD players, VCRs, wide screen digital televisions and personal computers. You can depend on the EPSON EMP-TW100 projector to bring it all together and deliver the big picture.

### TECHNOLOGY LEADERSHIP

EPSON is recognised around the world as a leader in image quality and projector technology. It's a leadership that comes shining through with the EMP-TW100 home theatre projectors. Leadership that's embodied in EPSON Dream 2 LCD wide panels that ensure beautiful image quality for your home theatre. Leadership that's proven with incredibly smooth and natural image outlines thanks to the latest Faroudja DCDi advanced image processor.



### GETTING IT ALL JUST RIGHT

Enjoy full widescreen viewing of television and DVD. Relax while surfing the Internet. Immerse yourself in the latest video games. Experience... the EPSON home entertainment image.