

EMP-9100 MULTIMEDIA LCD PROJECTOR

EPSON

Better Presentations with EPSON



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EMP-9100

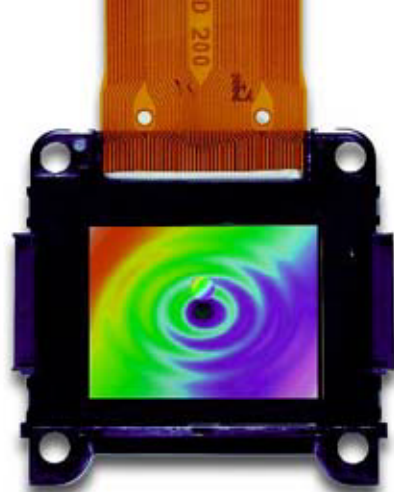
U X G A

C O M P A T I B L E

CRYSTAL CLEAR CLARITY
& UNBELIEVABLE
IMAGES

ALL IN A PORTABLE PACKAGE





HIGH APERTURE SXGA TFT PANEL

EMP-9100 MULTIMEDIA LCD PROJECTOR

FOR REAL CAD, SXGA USERS

EMP-9100 IS A TRUE SXGA PROJECTOR WITH EFFORTLESS UXGA TO XGA RESIZING FEATURES. ALL THIS IN A SMALL, NEAT PACKAGE. THE EMP-9100 PRODUCES SILKY REALISTIC IMAGES. GRAPHICS COME ALIVE WITH THE LIGHTER AND BRIGHTER EMP-9100.

COMPACT, HIGH-PERFORMANCE PROJECTORS MADE POSSIBLE BY EPSON'S PROPRIETARY TECHNOLOGY. EPSON LCD PROJECTORS REPRESENT THE CRYSTALLIZATION OF OUR ADVANCED TECHNOLOGY. THE CLEAR, VIVID PICTURE AND SUBTLE COLOR GRADATIONS REPRODUCED BY OUR PROJECTORS ARE SECOND TO NONE. THESE PROJECTORS ARE COMPACT LIKE NO OTHER, TOO. MOREOVER, THEY ARE LOADED WITH THE LATEST HIGH-EFFICIENCY OPTICAL SYSTEMS, INCLUDING A POLARIZED LIGHT CONVERSION SYSTEM AND A PANEL-ON-PRISM SYSTEM. WITH A PICTURE THIS BRIGHT AND BEAUTIFUL, IT'S NO WONDER EPSON'S POWERFUL YET EASY-TO-OPERATE LCD PROJECTORS CONTINUE TO LEAD THE INDUSTRY.



EMP-9100

MULTIMEDIA LCD PROJECTOR

2400 ANSI LUMENS

ACHIEVES 2400 ANSI LUMENS, MAKING THIS LCD PROJECTOR THE BRIGHTEST IN ITS PORTABLE CLASS. REMARKABLY CLEAR AND EASY TO READ EVEN IN WELL-LIT ENVIRONMENTS. BRIGHT ENOUGH FOR BIG-SCREEN PRESENTATIONS IN LARGE VENUES.

XGA (1600 X 1200) RESOLUTION SUPPORT

NEWLY DEVELOPED DIGITAL ACTIVE RESIZING (DAR) ENABLES HIGH RESOLUTION SUPPORT OF UP TO UXGA, PROVIDING RESIZED IMAGES THAT ARE FAR CLEARER THAN EVER.

COMB FILTER, 9-BIT A/D CONVERTER, AND NOISE REDUCTION CIRCUIT

A COMB FILTER BALANCES AND VIVIDLY REPRODUCES BRIGHTNESS AND COLOR. A 9-BIT A/D CONVERTER ENABLES ACCURATE REPRODUCTION OF COLOR GRADIATIONS, AND A NOISE REDUCTION CIRCUIT (NRC) FURTHER IMPROVES THE RESOLUTION AND QUALITY OF VIDEO IMAGES.

LENS SHIFTING SYSTEM

THE POSITION OF THE PROJECTED IMAGE CAN BE VERTICALLY ADJUSTED WITHOUT INCURRING KEYSTONE DISTORTION BY RAISING OR LOWERING THE LENS ITSELF.

ELECTRONIC KEYSTONE CORRECTION

THE PROJECTOR IS EQUIPPED WITH A FUNCTION THAT ELECTRONICALLY CORRECTS THE TRAPEZOIDAL KEYSTONE DISTORTION OF THE PROJECTED IMAGE FORMED WHEN THE IMAGE IS PROJECTED UPWARD ONTO A HIGH SCREEN OR PROJECTED DOWNWARD FROM THE CEILING TO A LOWER SCREEN.

COLOR MATCHING

THE COLOR MATCHING FUNCTION ADJUST COLORS WHEN USING STACKS AND MULTIPLE SCREENS AND IS CAPABLE OF MATCHING SUBTLE COLOR DIFFERENCES BETWEEN PROJECTORS BY COLOR TEMPERATURE AND COLOR GRADIATIONS EVEN IN WHITE AND BLACK LEVELS.

PICTURE-IN-PICTURE

THE PROJECTOR IS EQUIPPED WITH A PICTURE-IN-PICTURE FUNCTION THAT ENABLES VIDEO IMAGES TO BE PROJECTED WITHIN A PC PRESENTATION. CREATE POWERFUL PRESENTATIONS BY INTERWEAVING DYNAMIC IMAGES AND TEXT.

BRIGHT

THE ULTRA-BRIGHT 2400 ANSI LUMENS LIGHT OUTPUT PRODUCES VIVID IMAGES EVEN ON BIG SCREENS IN LARGE VENUES.

CRISP & CLEAR

SUPPORTS RESOLUTIONS OF UP TO UXGA (1600 " 1200) ON RESIZED SCREENS.

ADVANCED FEATURES

LOADED WITH ADVANCED FEATURES, INCLUDING LENS SHIFTING FOR VERTICAL IMAGE ADJUSTMENT, ELECTRONIC KEYSTONE CORRECTION, AND COLOR MATCHING.

EASY OPERATION

STAGE SMOOTH PRESENTATIONS WITH A CENTER-CLICK REMOTE CONTROL.

BEAUTIFUL COLOR

PRESENT YOUR IDEAS IN VIVID, BEAUTIFUL COLOR, WITH SUBTLE COLOR GRADIATIONS.

LINK V

ENHANCED WINDOWS® 98/95 SUPPORT.

FREELY OPERATE THE PROJECTOR FROM A PC.

WINDOWS® 98/95 IS A REGISTERED TRADEMARK OF MICROSOFT CORPORATION.

MULTI
Function
REMOTE
CONTROL



ENHANCED EFFECTS

ADD SOUND BY CONNECTING THE EMP-9100 TO A PC. THE ENHANCED EFFECTS FUNCTION ALLOWS YOU TO STAGE EFFECTIVE PRESENTATIONS WITH SOUND AND VIDEO. THIS FUNCTION RETRIEVES SOUND FROM THE FILES SAVED IN YOUR PC.

CENTER-CLICK REMOTE CONTROL

THE CENTER-CLICK REMOTE CONTROL MAKES DRAG OPERATIONS SMOOTH AND EASY. YOU CAN USE THE MOUSE TO MAKE PRESENTATIONS.

DIGITAL ZOOM

OUR POPULAR DIGITAL ZOOM FUNCTION IS NOW MORE POWERFUL AND SMOOTHER FOR MORE PRECISE SXGA AND UXGA IMAGES ALLOWING YOU TO ZOOM IN CLOSER ON YOUR PRESENTATION'S MOST IMPORTANT DETAILS. MOVEMENT IS SMOOTHER TOO.

HELP FUNCTION

THE EMP-9100 ALSO HAS AN ENHANCED HELP FUNCTION THAT PROVIDES EASY-TO-USE INSTRUCTIONS FOR FIRST-TIME USERS OF THIS PROJECTOR.

MULTIPLE INPUTS

THIS PROJECTOR COMES WITH TWO STANDARD VIDEO PORTS, TWO PC PORTS, AND AN RGB VIDEO INPUT PORT. WITH SUPPORT FOR INPUT TO MULTIPLE SYSTEMS SUCH AS RGB VIDEO AND DVD, THIS PROJECTOR IS A VERSATILE ALL-AROUND PERFORMER.

USB MOUSE

WITH A STANDARD USB PORT, CONNECTING THE PROJECTOR TO THE MOUSE PORT ON YOUR PC ALLOWS YOU TO CONTROL THE COMPUTER WITH THE PROJECTOR REMOTE CONTROL.



REAL SXGA 2400ANSI lm

EMP-9100

EMP-9100 MULTIMEDIA LCD PROJECTOR

SPECIFICATIONS

PROJECTION SYSTEM		RGB LIQUID CRYSTAL SHUTTER PROJECTION SYSTEM
PROJECTION METHOD		FRONT/ REAR / CEILING MOUNT
SPECIFICATION OF MAIN PARTS		
LCD	SIZE	1.3 INCHES (x 3)
	DRIVING METHOD	POLY-SILICON TFT ACTIVE MATRIX
	PIXEL NUMBER	1398784 (1366 x 1024) x 3
	NATIVE RESOLUTION	WXGA
	ASPECT RATIO	4:3
	PIXEL ARRANGEMENT	STRIFE
PROJECTION LENS	TYPE	MANUAL: ZOOM / FOCUS / LENS SHIFT
	F- NUMBER	1.8 TO 2.4
	F-NUMBER	49 TO 69 MM
	ZOOM RATIO	1:1.4
LAMP	LENS COVER	ATTACHED BY STRING
	TYPE	230 W UHE
OPTICAL SYSTEM		DICHROIC MIRROR SEPARATION & PRISM COMBINE METHOD
SCREEN SIZE (PROJECTION DISTANCE)		21 TO 300 INCHES (1.1 - 15.8M)
KEYSTONE CORRECTION RATIO		10:0 TO 5:5
BRIGHTNESS		2400 ANSI LUMENS
CONTRAST RATIO		300:1
BRIGHTNESS UNIFORMITY		90%
COLOUR REPRODUCTION		FULL COLOR (1,677 MILLION COLORS)
SOUND OUTPUT		3W + 3W SRS *1
EFFECTIVE SCANNING FREQUENCY RANGE		
	PIXEL CLOCK	14MHZ TO 230MHZ
	HORIZONTAL	15KHZ - 107KHZ
	VERTICAL	43HZ - 120HZ
ADJUSTMENT FUNCTION		
	PROJECTOR / REMOTE CONTROL	KEYSTONE / BRIGHTNESS / CONTRAST / TINT / SOUND / INPUT SIGNAL ETC.
	TILT ANGLE	0 TO 15 DEGREES
	KEYSTONE CORRECTION	-30 TO +30 DEGREES
ANALOG RGB I/O		
DISPLAY PERFORMANCE	NATIVE	1280 X 1024 DOTS
	RESIZE	1600 X 1200 / 1024 X 768 / 800 X 600 / 640 X 480 DOTS
INPUT SIGNAL	SIGNAL TYPE	SEPARATE SIGNAL
	VIDEO SIGNAL	ANALOG (0.7 VP-P, 75 Ω / Mac0.714V-P, 75 Ω)
	SYNC. SIGNAL	SEPARATION (POSITIVE & NEGATIVE 1-5VP-P) / COMPOSITE (POSITIVE & NEGATIVE 1-5VP-P) / SYNC-ON-GREEN (NEGATIVE, 0.2-0.4VP-P)
		500 VRMS / 47 KΩ
INPUT TERMINAL	AUDIO SIGNAL	MINI D-SUB 15 PIN X 1 (SELECT WITH MANUAL SWITCH) / S-BNC X 1
	VIDEO	STEREO MINI-JACK (FOR MINI D-SUB 15) / RCA X 2 (FOR S-BNC)
OUTPUT SIGNAL	VIDEO SIGNAL	ANALOG (0.7VP-P, 75 Ω / MAC0.714VP-P, 75 Ω)
	SYNC. SIGNAL	SEPARATION (POSITIVE & NEGATIVE TTL) / COMPOSITE (POSITIVE & NEGATIVE TTL) / SYNC-ON-SCREEN (NEGATIVE, 0.2-0.4VP-P)
OUTPUT TERMINAL	VIDEO	MINI D-SUB 15 PIN X 1
DIGITAL RGB INPUT		
DISPLAY PERFORMANCE	NATIVE	1280 X 1024 DOTS
	RESIZE	1024 X 768 / 800 X 600 / 640 X 480 DOTS
INPUT SIGNAL	VIDEO SIGNAL	DIGITAL
	AUDIO SIGNAL	500 VRMS / 47 KΩ
INPUT TERMINAL	VIDEO	DVI TYPED X 1 (SELECT WITH MANUAL SWITCH / EXCLUSIVE TO D-SUB 15)
	AUDIO	STEREO MINI JACK
VIDEO I/O		
INPUT SIGNAL	VIDEO STANDARD	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
	VIDEO SIGNAL	COMPOSITE VIDEO (1.0VPP / SYNC-NEGATIVE, 75 Ω) / S-VIDEO (LUMINOUS 0.714VPP, CHROMINOUS 0.286VPP, 75Ω) / COMPONENT VIDEO (ANALOG Y LEVEL 0.7V 75Ω) / CR CB LEVEL +/-0.35V 75Ω / SYNC-NEGATIVE 0.3V OR 3-STATE +/-0.3V ON Y) / VIDEO-RGB (0.7V P-P 75Ω / MA)
INPUT TERMINAL	AUDIO SIGNAL	500M VRMS / 47 KΩ
	VIDEO	COMPOSITE VIDEO: RCA X 1 / S-VIDEO: MINI DIN / COMPONENT VIDEO: BNC X 3 / VIDEO-RGB: MINI D-SUB 15 PIN
	AUDIO	RCA X 2 (FOR COMPOSITE VIDEO/S-VIDEO / COMPONENT VIDEO) / STEREO MINI JACK (FOR VIDEO-RGB)
OUTPUT SIGNAL	VIDEO SIGNAL	ANALOG RGB (COMPOSITE VIDEO, S-VIDEO, COMPONENT VIDEO, VIDEO-RGB ARE CONVERTED) / SEPARATE HV(TTL)
		MINI D-SUB 15PIN X 1 (COMMON ANALOG RGB)
OUTPUT TERMINAL	VIDEO	
CONTROL I/O		
MOUSE / SERIA I/O	I/O TERMINAL	DIN 13 PIN X 1
INPUT TERMINAL	MOUSE COMPATIBILITY	PS / 2, ADB, SERIAL, USB
	REMOTE CONTROL	STEREO MINI JACK
	STACK OUT	DIN 13 PIN X 1
OPERATING TEMPERATURE		
5°C TO 40°C (41°F TO 104°F)		
POWER SUPPLY VOLTAGE		
100 - 120 V / 200 - 240V AC ±10 %, 50/60HZ AC		
POWER CONSUMPTION		
100 - 120V 4A 50/60HZ / 200 - 240V 2A 50/60HZ		
DIMENSION		
EXCLUDE PROJECTION LENS & FEET		303(W) X 147(H) X 389(D) MM
MAXIMUM DIMENSION		305(W) X 157 (H) X 475 (D) MM
WEIGHT		
APPROX. 18.3 LBS / 8.3 Kg		
FAN NOISE		
42DB		
ACCESSORIES		
POWER CABLE (3M) , COMPUTER CABLE (1.8M X 2),RCA CABLE, REMOTE CONTROL UNIT, MACINTOSH ADAPTOR SET COMMUNICATION CABLE SET, A4 BATTERY, LINK 5, USER'S MANUAL.		

CONNECTOR PANEL



OPTION AND PERIPHERAL

● LONG THROW ZOOM LENS

FLP1107/03



● WIDE ZOOM LENS

ELPLW01



● REAR PROJECTION LENS

ELPLR01

● SPARE LAMP

CLPLP11



● CEILING MOUNT

FIPMR06

● HARD CARRYING CASE

ELPK315



● DIGITAL VIDEO CABLE

ELPKC20 DV1-D/DV-D (3M)
ELPKC21 DV1-D/DV-P (3M)

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