Data/Video Specifications

General

Type of display	Poly-si Thin Film Transistor (TFT) Active Matrix LCD
Size of liquid crystal panels	1.32 inches (33.6 mm)
Resolution	640 (horizontal) x 480 (vertical) pixels
Image size	21 to 300 inches (.5 to 7 meters)
Projection distance	4 to 41 feet (1.2 to 12.4 meters)
Remote control range	33 feet (10 meters)
Audio Amp power	1W x 1W stereo

Optical

Aspect ratio	4 x 3 (horizontal x vertical)
Zoom ratio	1:1.4

Projector Lamp

Model number	MSCR150E3H
Type	Metal halide
Life	Typically 600 hours
Power	150W
Brightness	250 lumens maximum

Mechanical

Height	5.9 inches (14.9 cm)
Width	11.2 inches (28.5 cm)
Depth	16.3 inches (41.3 cm)
Weight	16.98 lb (7.7 kg)

Electrical

Voltage	100-120VAC and 220-240VAC ± 10%
Rated frequency	50/60 Hz
Fuse type	250V, 6.3AT, 5 x 20 mm
Power consumption	220W (50W in standby mode) 100 - 120 VAC 3.5 Amps, 50/60 Hz 220 - 240 VAC 1.3 Amps, 50/60 Hz

Environmental

Temperature	Operation: 41° to 104° F (5° to 40° C) Storage: –4° to 140° F (–20° to 60° C)
Humidity	Operation: 20 to 80% RH, non-condensing Storage: 10 to 90% RH, non-condensing

Supported Monitor Displays

The projector displays images at a resolution of 640 x 480 pixels. When displaying a higher resolution image, the projector compresses it to 640 x 480.

The following table lists the display formats supported by the projector.

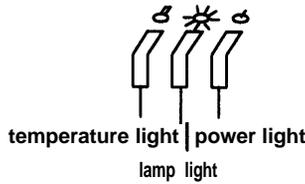| computer type	Formats	Resolutions
IBM PC compatible	VGA, VESA, NEC, JEGA, CGA	640x480 640x200 640x400 640x350 720x350 720x400' 800x600.
Apple Macintosh	Standard 8- and 24-bit color monitor	640X480 640x400

' Compressed to 640 x 480

Projector Placement Guidelines

The distance between the projector and the screen determines the actual image size. Use the following general guidelines to determine the proper distance.

Image size (diagonal)		Distance from screen (approximate)
Maximum zoom	Minimum zoom	
300 inches (25 feet)	214 inches (30 feet)	40 feet
204 inches	146 inches	27 feet
96 inches	69 inches	13 feet
60 inches	42 Inches	8 feet
30 inches	21 Inches	4 feet

Status Lights

The status lights at the top of the projector monitor its operation.

temperature light | power light

lamp light

Status light	Color	Status
Temperature	Flashing orange	Projector is hot
	Orange	Projector is too hot; lamp turns off
Lamp	Flashing green	Lamp is warming up
	Green	Lamp is on
	Flashing orange	Lamp is cooling down
	Flashing red	Lamp is not working
Power	Orange	Projector is in standby mode
	Green	Projector and lamp are on
	Flashing green	Projector is receiving a signal from the remote control
	Flashing red	There is a problem with the projector

Pin Assignments

The following tables describe the pin assignments for the three connectors of the Y-cable: the LCD connector, the VGA connector, and the Monitor connector. The pin assignments for the VGA and Monitor connectors are identical.

LCD connector pin assignments

The LCD connector is a 26-pin D-style connector. Its pin assignments are as follows:

Input pin	Signal	Output pin	Input pin	Signal	Output pin
1	Vertical sync	10	18	Green analog input with composite sync	5
2	Horizontal sync	11	20	GND	
8	Blue analog	14	21	GND	
6	Intensity digital	12	22	GND	
7	Green digital	13	23	Digital/analog video cable ID	
9	Red analog	15	24	GND	
16	Blue digital	3	25	VGA/no video cable ID pin	
17	Red digital	4	26	Monochrome digital (Hercules)	19

VGA and Monitor connector pin assignments

The VGA connector is a male video RGB, 15-pin micro-D style connector, and the Monitor connector is a female video RGB, Spin micro-D style connector. The pin assignments for both connectors are as follows:

Input pin	Signal	Input pin	Signal
1	Red analog input	9	NC
2	Green analog input with composite sync	10	Sync GND
3	Blue analog input	11	GND
4	GND	12	NC
5	GND	13	Horizontal sync/composite sync input
6	Red GND	14	Vertical sync input
7	Green GND	15	NC
8	Blue GND		

Related Documents

Engineering Change Notices

None.

Technical Information Bulletins

None.

Product Support Bulletins

None.

Related Documentation

4003816	EPSON ELP-3000 Data/Video Projector Owner s Manual
PL-ELP3000	EPSON ELP-3000 Data/Video Projector Parts Price List
TM-ELP3000	EPSON ELP-3000 Data/Video Projector Service Manual