

System Specifications

The specifications below are subject to change.

IMAGE QUALITY	
Brightness:	1800 Lumens center screen
Uniformity:	2:1 center to edge-ANSI points, 4:1 center to corner.
Resolution:	Capable of 1600 x 1200 pixels. More than 850 TV lines @ HDTV 16:9 aspect ratio, 1100 TV lines @ 4:3 aspect ratio (White).
Aspect Ratio:	4:3 and 16:9 with AutoSelect
RGB Bandwidth:	100 Mhz
Contrast Ratio:	200:1 Sequential/75:1 Spatial
Color Coordinates:	SMPTE 240
Response Time:	Less than 16.7 ms
INPUT COMPATIBILITY	
Scan Frequency:	Horizontal, 15 kHz to 90 kHz Vertical, 45 Hz to 120 Hz
Blanking:	Horizontal, Less than 2.3 μ s Vertical, Less than 500 μ s
Parameter Storage:	99 Memories/Channels 99 Channels/20 Sources.
Decoder (Optional):	PAL/SECAM/NTSC (3.58/4.43)
VIDEO INPUTS	
Video Input Cards(VIC):	75 ohm BNC input for R,G,B,H,V
Signal Level:	.5-1.2V p-p /Offset: \pm 3VDC(0.7V Nominal)
Sync Level:	.3-4V p-p, Composite Sync(H), separate H&V, or Sync on Green(G) / Offset: \pm 3VDC
Decoder Input Card (Optional)	75 ohm BNC inputs for Composite and Y/C
Signal Level	1V p-p with Sync / Offset: \pm 3 VDC
S-Vid Y Level	1V p-p with Sync / Offset: \pm 3 VDC
C Level	300mV p-p / Offset: \pm 3 VDC
Switching Time Between Sources	Less than 5 seconds.
CONTROL PORTS	
Terminal:	2 full RS-232 inputs for Serial External Communications Protocol with DATA spec of up to 19.2kBAUD
Tethered Remote:	Input connection for Optional Tethered Remote control.
IR Remote:	Front and rear receivers

OPERATING PARAMETERS	
Projection:	Front or rear. Upright or downright.
Operating Temperature:	+10° C to 40° C
Full Performance Range:	20° C to 30° C
Storage Temperature:	0° C to 50° C
Humidity:	10 to 90 % RH (Non Condensing)
Light Modulator:	3 Image Light Amplifiers
CRT:	3 IR Phosphor 3.5"
Power Requirements:	220/240 VAC, 50/60 Hz, 20A Single Phase
Safety and Emission:	UL, CSA, TUV(CE)
EMI	FCC Class A CISPR 22
Heat Dissipation:	5460 Btu/hr
Warm up Time	Less than 1 hour.
Noise Level	Less than 55 dB ("A" weighted)
Xenon Arc Lamp:	900 ~ 1000W
Power Consumption:	1650 watts
INSTALLATION	
Setting	Floor or Ceiling
Keystone Correction:	Depends on lens used. Refer to Lens Options table below.
Projection Angle:	0° (Light path is parallel to projector base)
Size (H x W x L):	408mm x 615mm x 1263mm (16.1 x 24.2 x 49.7 in.)
Weight:	120kg (262 Lbs)
Air Flow (Rear View):	Intake at rear, exhaust at right (rearview) sideways
Lens Options	Zoom Lens 2.6~5.1:1 1.5:1 when available
Maintenance Access:	See Figure 3-1 for clearances needed to remove covers for access
ACCESSORIES (INCLUDED)	
Lens:	Zoom Lens=2.6~5.1:1
Remote:	One IR Remote Control
Manual:	One User's Guide
Floppy Disk	Factory-setup backup data
Video Input Card	One Standard RGB VIC
POWER PLUGS	
Male	NEMA 5-20P, 20A, 125V
Female	NEMA 5-20R, 20A, 125V

ACCESSORIES (OPTIONAL)	
Manual:	One Service manual (option for trained personnel)
Remote Control	Tethered Technician
Video Input Cards	Quad Decoder Module (for NTSC, PAL, SECAM). Component HDTV (Y,pb,Pr) Input Module. Quad RGB Input
Switcher:	Extron System 8 and 10 switchers
Line Doubler:	HJT-Faroudja LD 200 and LD200U
Line Quadrupler	HJT-Faroudja VP 400A and VP 400AU
Shipping Case:	Reusable shipping case

Optional Filters: When projecting through glass, (as in a projection booth), a reflection off the glass back into the lenses and onto the **ILA**[®] assemblies can cause a double image on the screen. Changing the angle between the glass and the lenses can correct the problem by causing the reflection to be directed either over or under the lenses. If this cannot be achieved, **optional filters** can be purchased to prevent the reflection from causing a double image.

Lens Options

LENS TYPE	THROW	SCREEN WIDTH	MAXIMUM PROJ. TO SCREEN TILT*
Zoom	4.0 - 32 m	1.5 - 6.4 m	±5° Horiz, ±15° Vert
1:1	1.63 - 4.42 m	1.56 - 4.24 m	±2° Horiz, ±7° Vert
1.5:1	3.0 - 12.0 m	1.9 - 7.7 m	±3° Horiz, ±10° Vert
3:1	2.0~	.6~	±5° Horiz, ±15° Vert
7:1	10.0 - ~	1.37 - ~	±5° Horiz, ± 15° Vert

*Nominal 31.5 ~ 64 kHz. At higher frequencies the range will be lower.

