

7.0 System Specifications

The specifications below are subject to change.

IMAGE QUALITY	
Brightness (Lumens) Min. @ 60 Hz Typical @ 60 Hz Typical @ 90 Hz Typical ANSI @ 90 Hz Uniformity center to corner	2500 Center Full White (CFW) 2750 CFW 3400 CFW 2700 CFW 4:1
Resolution	1600(H) x 1200(V) pixels 1100 TV Lines @ 4:3 aspect
RGB Bandwidth	100 MHz
Contrast	200:1 Sequential 70:1 Spatial 600:1 SC Model
Aspect Ratio:	4:3 - 16:9 Variable
Color:	SMPTE 240
Response Time:	Less than 16.7 ms
INPUT COMPATIBILITY	
Source Compatibility	2000(H) X 1545(V)
Blanking:	Horizontal, Less than 2.3 μ s Vertical, Less than 500 μ s
Scan Frequency Vertical Horizontal	45 to 120 Hz 15 kHz to 90 kHz
Convergence:	Digital with 99 Memories/Channels
Decoder (Optional):	PAL/SECAM/NTSC (3.58/4.43)
SOURCE INPUTS	
RGB Input Cards (VIC): Signal Level Sync Level:	75 ohm BNC input for RGBHV RGB: 0.5-1.2V p-p, \pm 3VDC offset HV Sync: 0.3-4V p-p, \pm 3VDC offset
Decoder Video Input Card (Optional) Signal Level S-Video Y Level C Level	75 ohm BNC inputs for Composite and Y/C 1V p-p with Sync, \pm 3 VDC offset 1V p-p with Sync, \pm 3 VDC offset .3V p-p / \pm 3 VDC offset
Switch Time Between Sources	Less than 5 seconds

CONTROL PORTS	
Terminal:	2 RS-232 inputs for Serial External Communications Protocol with DATA spec up to 19.2kBAUD
Tethered Technician Remote:	Input connection for remote control or IR Repeater
IR Remote:	Front and rear receivers
OPERATING PARAMETERS	
Projection:	Front or rear. Upright or downright
Operating Temperature:	+10° C ~ 40° C, 50° ~ 104° F
Full Performance Range:	25° ± 5° C
Storage Temperature:	32° ~ 122° F, 0° C to 50° C
Humidity:	10 to 90 % RH (Non Condensing)
Heat Dissipation:	7505 btus/hr
Warm up Time	Less than 1 hour
Noise Level	Less than 57 dB ("A" weighted)
Lamp	1600 Watt Xenon Arc Lamp
Light Modulator:	3 Image Light Amplifiers
CRT:	3 IR Phosphor 3.5"
Power Requirements:	220-240 VAC, 50/60 Hz, 20A
Power Consumption:	2200 Watts
Power Plug	220-240 VAC
Safety and Emission:	UL,CSA, TÜV(CE)
EMI	FCC Class A, CISPR-22
Radiation Safety	DHHS. Act of 1968, 21 Code of Federal Regulation [CFR], Subchapter J
POWER PLUGS	
Male	NEMA 5-20P, 20A, 250V
Female	NEMA 5-20R, 20A, 250V

INSTALLATION	
Setting	Floor or Ceiling. Upright or Downright
Keystone Correction:	Depends on lens. See Lens Options table below.
Projection Angle:	0° (Light path is parallel to projector base)
Operating Angle	0-85° (Up or Down)
Size (H x W x L):	408mm x 615mm x 1263mm (16.1 x 24.2 x 49.7 in.)
Weight:	118 kg (260 Lbs.)
Air Flow (Rear View):	Intake at rear, exhaust at right (rearview) sideways
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
VIC	RGBHV VIC, Graphic Enhancer VIC
ACCESSORIES (OPTIONAL)	
Manual:	One Service manual (option for trained personnel)
Remote Controls	Backlit Tethered Technician Executive IR Service IR
Video Input Cards (VICs)	Quad Standard Decoder (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 200/200U
Line Quadrupler	HJT-Faroudja VP 400
Shipping Case:	Reusable shipping case

Lens Options

LENS TYPE	THROW	SCREEN WIDTH	MAXIMUM PROJ. TO SCREEN TILT*
Zoom	4.0 - 32 m	1.9 - 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.

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.