

System Specifications

The specifications below are subject to change with notice.

Picture Quality

Brightness	6800 Center Full-White Lumens/6000 ANSI Lumens @ 1024 x 768/90Hz.
Resolution	1500 TV lines (4:3 aspect ratio)
Uniformity	2:1 Center to Edge ANSI Points; 4:1 Max to Corner.
RGB Bandwidth	150 MHz, -3db
Contrast Ratio	1000:1 min. center only Sequential Contrast with High Contrast ILA®
Color Coordinates	SMPTE 240M
Color Temperature	5600°K -200/+500°
Response Time	>60% modulation depth in 16.67 msec.

Input Compatibility

Scan Frequency:	Horizontal, 15 kHz to 90 kHz Vertical, 45 Hz to 120 Hz
Blanking:	Horizontal, < 2.6 μ s Vertical, < 500 μ s
Parameter Storage:	30 Memories/Channels
Video Decoder: (Optional)	PAL, SECAM, NTSC, S-VID (3.58/4.43)

Video Inputs

Video Input:	2 separate sets of 75 ohm (\pm 2) BNC for RGBHV .5 - 1.2 V p-p/Max Offset \pm 3 V DC (0.7 V p-p Nominal) 0.3-4 V p-p, Composite Sync (on H), Separate H&V, or Sync on Green (G) Max Offset: \pm 3 V DC
Decoder Input (option):	75 ohm BNC for Composite Consumer type S-video connector for Y/C
video Level	1 V p-p with Sync/Max Offset \pm 3 V DC
S-Video Y Level	1 V p-p with Sync/Max Offset \pm 3 V DC
S-Video C Level	300 mV p-p/Max offset \pm 3 V DC
Switching Time Between Sources	<5 Sec

Control Ports

Terminal	One Full RS-232 Input for Serial External Communications Protocol for complete projector control One limited RS-232 Input for Extron 8/10 Switcher support
Tethered Remote	Connection of Full Function Technicians tethered remote through the RS-232 Terminal input
IR Remote	One Full function Technicians Remote One Limited function Executive Remote

Operating Parameters

Projection:	Front or Rear (Selectable via internal connector movement)
Operating Temperature:	0° C to 40° C
Full Performance Range:	20° C to 30° C
Storage Temperature:	-10° C to 50° C
Humidity:	10 to 90 % (Non Condensing)
Heat Dissipation:	15,525 BTU/Hr
Warm-Up Time	10 minutes to usable image, 1 hour for full performance
Noise Level	<62 dB ("A" weighted)
Lamp	3,000 Watt Xenon Arc
Light Modulator	Three ILA [®] Image Light Amplifiers
CRT	Three 7" with IR Phosphor
Power Requirements	176-264 VAC 50/60 Hz, 30 A, single Phase
Power Consumption	4550W max
Safety	UL; TUV; CSA; CE
EMI	FCC Part 15, Class A; CISPR 22

Physical Characteristics

Size (HxWxL)	20.6" x 33.0" x 53.37" 52 x 84 x 136 cm
Weight	380 Pounds (173 kg)
Power Plug	30 Amp Hubbell Twist Lock #2621 (NEMA L6-30P) Mates with Hubbell #2623 (NEMA L6-30R)

Installation

Floor or Ceiling:	Projector always upright (Never upside down!)
Keystone Correction:	Horizontal= 0° to ±2° (left or right) Vertical=0° to ±15° up or down (.885 lens=±5°)
Projection Angle:	0° (Light path is parallel to base of projector)
Operating Angle:	Up=0° to 15° and 23° to 85° Down= 0° to 85°
Air Flow:	Intake on right, exhaust on left
Maintenance Access:	See Figure 2-2 for information on clearances needed to remove front or rear cover for access to interior assemblies.

Accessories (Included)

Lenses:	Choice of one standard lens set (1.5:1, 3:1, 5:1 or 7:1)
Remotes:	One Infrared remote control
Manuals:	One (1) Operators Manual
Projector Data Backup Disk	Contains backup setup data for factory-preset channels

Accessories (Optional)

Tethered Technician Remote:	Custom Termiflex HD2000 with 25' cable Cable: flat, 6 wire, 20 gauge, requires 9 pin (D shell) shielded cable
Switcher:	Extron System 8 and 10 switchers
IR Repeater:	For use with infrared remotes on rear projection systems or distances of 50', or more from the projector.
Line Doubler:	HJT-Faroudja LD 200
Shipping Case:	HJT Reusable shipping case
Optional/Additional Lens Set:	.885:1, 1.1:1, 1.5:1, 3:1, 5:1, 7:1, 10:1
Service Manual:	Model 370SC Service Manual
Decoder	For NTSC, PAL SECAM etc.

NOTE: Projecting Through Glass: 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 directing the reflection either over or under the lenses. If this can not be achieved, optional contrast enhancers can be purchased to prevent the reflection from causing a double image.

Lens Options

LENS TYPE	THROW*	SCREEN WIDTH	LENGTH**
.885:1 <200" Diag.	5.8 ft.-11.8 ft.	6.7 ft.-13.33 ft.	0.5 in.
.885:1 >200" Diag.	11.8 ft.-17.7 ft.	13.33 ft.-20 ft.	0.5 in.
1.5:1	10.5 ft.-185 ft.	6.8 ft.-118 ft.	2.0 in.
3:1	15.6 ft.-241 ft.	4.9 ft.-75.8 ft.	2.2 in.
5:1	20.4 ft.-357 ft.	3.9 ft.-69 ft.	0.5 in.
7:1	25.2 ft.-357 ft.	3.5 ft.-49.2 ft.	5.5 in.
10:1	44 ft.-357 ft.	4.4 ft.-35.7 ft.	6.2 in.

*Throw=Distance from center lens to nearest point on screen.

**Length=Maximum distance lens extends beyond front of projector case.

Lens Parameters

Lens Diameter: 4.45" (3:1=5.5")
 Width: Less than 18.2" (Across 3 lenses)
 Lens Position: Always parallel to each other (not adjustable for angle)
 Lateral Adjustment: Via access ports in projector case
 Speed: f=4.8