

# System Specifications

The specifications below are subject to change with notice.

## Picture Quality

Brightness	4200 Center Full-White Lumens, 3700 ANSI @ 1024x768, 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, < 2.3 $\mu$ s Vertical, < 500 $\mu$ 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 Breen (G) Max Offset: $\pm$ 3 V DC
Decoder Input (option)	75 ohm BNC for Composite 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

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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	Front and rear windows for Service or Executive Remote

## Operating Parameters

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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:	11,338 BTU/Hr
Warm-Up Time	10 minutes to usable Image 1 hour for full performance
Noise Level	<61 dB ("A" weighted)
Lamp	2,000 Watt Xenon Arc
Light Modulator	Three <b>ILA</b> <sup>®</sup> Image Light Amplifiers
CRT	Three 7" with IR Phosphor
Power Requirements	176-264 VAC 50/60 Hz, 20 A, single Phase
Power Consumption	3325W max, 100W standby
Safety	UL; TUV; CSA; CE
EMI	FCC Part 15, Class A; CISPR 22

## Physical Characteristics

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Size (HxWxL)	20.6" x 27.5" x 53.37" 52 x 70 x 136 cm
Weight	369 Pounds (168 kg)
Power Plug	20 Amp Hubbell Twist Lock #2321 (NEMA L6-20P) Mates with Hubbell #2323 (NEMA L6-20R)

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## Installation

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Floor or Ceiling:	Projector always upright ( <b>Never upside down!</b> )
Keystone Correction:	Horizontal= 0° to ±2° (left or right) Vertical=0° to ±15° up or down (.885 lens=±6°)
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

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## Accessories (Included)

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

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## Accessories (Optional)

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Tethered Remote:	Custom Termiflex HD2000 with 25' cable Cable: flat, 6 wire, 20 gauge, requires 9 pin (D shell) shielded cable
Executive Remote	IR remote without Geometry and Convergence adjustment keys (see Figure 5-3)
Service Remote	IR remote with all setup adjustment keys (see Figure 5-1)
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 LD200, VP250, or VP400
Shipping Case:	HJT Reusable shipping case
Additional Lens Set:	.885:1, 1.1:1, 1.5:1, 2.177:1, 3:1, 5:1, 7:1, 10:1
Service Manual:	Model 330/340SC/370SC Service Manual
Decoder Kit	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<sup>®</sup> 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**	MAX. PROJ. TO SCREEN VERT. TILT
.885:1 <200" Diag.	5.8 ft.-11.8 ft.	6.6 ft.-13.33 ft.	0.5 in.	± 6°
.885:1 >200" Diag.	11.8 ft.-33.6 ft.	13.33 ft.-38 ft.	0.5 in.	± 6°
1.5:1	10.4 ft.-185 ft.	6.9 ft.-123 ft.	2.0 in.	± 15°
3:1	15.7 ft.-241 ft.	5.2 ft.-80.3 ft.	2.2 in.	± 15°
5:1	20.4 ft.-357** ft.	4 ft.-71ft	0.5 in.	± 15°
7:1	25.2 ft.-357** ft.	4 ft.-51ft.	5.5 in.	± 15°
10:1	44 ft.-240 ft.	4.4 ft.-24ft.	6.2 in.	± 15°

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

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

## Lens Parameters

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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