

Bid Spec

**1.0 Description**

The projector shall be of SXGA+ resolution. It must use LCOS technology with high contrast and high brightness. Projector shall have seamless image with high uniformity. It must include power zoom and power focus. Projector should have a home cinema mode that increases contrast. Lens must be of short throw - 100 inch diagonal screen at less than 10 feet.

**2.0 Bid Specification**

Technology:

- a. The projector shall use the LCOS technology and incorporate AISYS system.
- b. It should have a native resolution of SXGA+ (1400 x 1050).
- c. Projector shall support WXGA (for wide screen use)
- d. Brightness shall be 2500 lumens with contrast of 1000:1
- e. Projector shall have a cinema mode filter with contrast of 2000:1
- f. Projector lens shall be of wide angle (100 inch diagonal screen at less than 10 feet)
- g. Shall have a built in powered optical zoom lens of 1.7x with Auto Focus
- h. Pixel aperture shall be 90% or higher.
- i. Projector uniformity shall be 85% or higher.

Image Adjustments

- a. Projector shall have sRGB color space.
- b. Projector shall have keystone of 20 degrees in vertical
- c. Projector shall have keystone of 20 degrees horizontal.
- d. Projector shall be able to be placed in a vertical position with lens pointing up or down

User Friendly Features:

- a. Projector shall have auto input detection
- b. Projector shall have auto focus
- c. Projector shall have auto vertical keystone
- d. Projector shall have auto wall color correction.
- e. Projector shall have internal charging unit to run fan for time period adequate to cool lamp when power has been removed from projector.

Inputs and Outputs:

- a. The projector shall have one DVI input,
- b. Projector shall have ability to accept 2 VGA inputs.
- c. Projector should have one VGA output to drive external monitor or other display device.
- d. Projector shall have component input
- e. Projector shall have s-video input
- f. Projector shall have composite video input.
- g. It shall have RS-232C control port to be used with control systems.

Control System Compatibility

- a. The projector shall be certified to be used with AMX, Crestron and Extron systems.
- b. Projector shall have direct power function

Ratings:

- a. The projector shall be powered by 100V to 240V/ 50/60Hz.
- b. Projector shall weight less than 11 pounds.
- c. Projector Noise level should not exceed 30dB in brighter mode.
- d.

Warranty

- a. The projector must have a 3 year warranty on parts and labor
- b. Lamp Warranty shall be 120 days.

## Specifications

Product	SX60		
Basics	Imaging Device	0.7" Reflective LCD panels (LCoS) x 3	
	Aspect ratio	4:3	
	Native Resolution	SXGA+	
	Brightness	2500 ANSI Lumens	
	Uniformity	88%	
	Contrast	1000:1	
	Keystone	Vertical Horizontal	+/- 20 degrees(Auto/Manual) +/- 20 degrees(Manual)
Optics	Projection lens	F1.85 - 2.5 , f=21.7 - 35.8 mm	
	Lens shift	9:1, Fixed	
	Zoom	1.7x Powered , 12x Digital zoom	
	Focus	Powered (Auto/Manual)	
	Screen size	40" - 300"	
	Projection distance coverage	3.9 - 29.5ft (1.2 - 9m) / 100": 9.8 - 16.1ft (3.0 - 4.9m)	
	Throw Ratio	1.46-2.43:1	
Image Adjustments	Color Mode	sRGB, Presentation, Standard, Movie, Home Cinema	
	Color Adjust	Dynamic Gamma, 6-axis(RGBCMY) Color Adjustment	
	Wall Correction	Auto	
	Mounting	Ceiling/Rear/Ceiling and Rear	
	Tilt Angle	Adjusting feet up to 10 degrees	
Input Signals	Analog PC input	UXGA/SXGA+/WXGA/SXGA/XGA/SVGA/VGA	
	Digital PC input	SXGA+/SXGA/WXGA/XGA/SVGA/VGA	
	Scanning frequency	H:15 ~ 100 kHz , V: 50 ~ 100 Hz, Dot clock: 170 MHz	
	Video/S-video input	NTSC/PAL/SECAM/NTSC4.43/PAL-M/PAL-N	
	Component input	1080i/1035i/720p/575p/480p/575i/480i	
	Digital video input	1080i/1035i/720p/575p/480p	
Terminals	Input	DVI-I 29pin	Digital PC input/Analog PC input/Digital Video input
		Mini D-sub 15pin	Analog PC input /Component input/SCART input
		RCA x1	Video input
		Mini DIN 4pin	S-Video input
		Stereo mini jack	Stereo audio input
	Output	Mini D-sub 15pin	Analog PC output
	Built-in Speaker		1W (Mono)
	Control Terminal		RS-232C
	Network		YES( Optional LAN Adapter)
Lamp	Type	180W NSH	
	Lamp Life(Quiet/Normal)	4000/2500 Hours	
Remote Control	Sensor	Wireless Infrared, Front/Back	
	Mouse Control	Mouse control Receiver(USB)	
Ratings	Fan noise (Normal/Quiet)		30/27 dB
	Power	Consumption(Normal/Quiet/Stand-by)	250W/225W/7W
		Voltage	AC 100 to 240V , 50/60Hz
	Temperature	Operating	41 to 95 F (5 to 35 C)
		Storage	-22 to 140 F (-30 to 60 C), 5%RH ~ 90%RH
	Dimensions ( W x D x H)		10.5 x 13.2 x 4.5 in. (226 x 336 x 114 mm)
	Weight		10 .1 lbs (4.6 kg)