

Bid Spec

1.0 Description

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

2.0 Bid Specification

Technology:

- a. The projector must use the LCOS technology and incorporate AISYS system.
- b. The projector must have a native resolution of XGA (1024 x 768).
- c. The projector must support WXGA (for wide screen use).
- d. The projector's brightness must be 4000 lumens with contrast of 1000:1.
- e. The projector lens must have a wide angle (100 inch diagonal screen at less than 10 feet).
- f. The projector must have a built in powered optical zoom lens of 1.7 times.
- g. The projector's pixel aperture must be 90% or higher.
- h. The projector's uniformity must be 85% or higher.

Image Adjustments

- a. The projector must have automatic keystone correction of ± 20 degrees vertically.
- b. The projector must have manual keystone correction of ± 20 degrees horizontally.
- c. The projector must have the ability to be placed in a vertical position with the lens pointing up or down.

AC Lamp

- a. The projector must have an AC Lamp to increase illumination effect.
- b. The AC lamp must increase the operating life of a projector's lamp.

User Friendly Features:

- a. The projector must have auto input detection.
- b. The projector must have auto focus.
- c. The projector must have auto vertical keystone.
- d. The projector must have auto wall color correction.
- e. The projector must 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 must have one DVI input.
- b. The projector must have ability to accept 2 VGA inputs.
- c. The projector must have one VGA output to drive external monitor or other display device.
- d. The projector must have three audio input sources that switch automatically to match the image signal's input source.
- e. The projector must have a variable audio output terminal for connection to external audio devices making it easy to control sound levels from the projector's remote control unit.
- f. The projector must have component input.
- g. The projector must have s-video input.
- h. The projector must have composite video input.
- i. The projector must have a USB port for mouse control through the IR remote.

Power Management

- a. The projector must have an internal condenser to run the fan making it possible
 - To unplug the projector as soon as it is turned off.
 - To prevent damage to the projector and lamp in case of accidental power lost.

Control Management

- a. The projector must have an option network adapter for LAN control.
- b. The projector must have RS-232C serial control port to be used with control systems.
- c. The projector must have an IR sensor in the front and rear for remote control capability.

Control System Compatibility

- a. The projector must be certified to be used with AMX, Crestron and Extron systems.

Ratings:

- a. The projector must be powered by 100V to 240V/ 50/60Hz.
- b. The projector must weight less than 11 pounds.
- c. The Projector's noise level must not exceed 35dB in brighter mode.

Warranty

- a. The projector must have a 3 year warranty on parts and labor.
- b. The projector's lamp warranty must be 120 days.

Specifications

Product	REALIS X700			
Basics	Imaging Device			
	0.7" Reflective LCD panels (LCoS) x 3			
	Aspect ratio			
	4:3			
	Native Resolution			
	XGA			
	Brightness			
4000 ANSI Lumens				
Uniformity				
88%				
Contrast				
1000:1				
Keystone	Vertical	+/- 20 degrees(Auto/Manual)		
	Horizontal	+/- 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			
	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			
	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 x 3	
	Output	Mini D-sub 15pin	Analog PC output	
		Stereo mini jack	Stereo audio input x 1	
	Built-in Speaker		1W (Mono)	
	Control Terminal		RS-232C	
	Network		YES(Optional LAN Adapter)	
Lamp	Type		275W NSH (AC)	
	Lamp Life(Quiet/Normal)		3000/2000 Hours	
Remote Control	Sensor		Wireless Infrared, Front/Back	
	Mouse Control		Mouse control Receiver(USB)	
Ratings	Fan noise (Normal/Quiet)		35/31 dB	
	Power	Consumption (Normal/Quiet/Stand-by)		360W/290W/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 .6 lbs (4.8 kg)	