REALiS SX6 1/23/08
Architect & Engineer Specification
www.canonprojectors.com
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Bid Spec

1.0 Description

The projector shall be SXGA+ resolution. It should use LCOS technology with high contrast and high brightness. . Projector shall have seemless image with high uniformity. It must include power zoom and power focus. Lens should 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 SXGA+ (1400 x 1050).
c. The projector must support WXGA (for wide screen use).
d. The projector's brightness must be 3500 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 Adobe RGB and sRGB color space.
b. The projector must have automatic keystone correction of ±20 degrees vertically.
c. The projector must have manual keystone correction of ±20 degrees horizontally.
d. The projector must have the ability to be placed in a vertical position with the lens pointing up or down.

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 component input.
e. The projector must have s-video input.
f. The projector must have composite video input.
g. 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 SX6
Basics	Imaging Device		0.7"' Reflective LCD panels (LCoS) x 3
	Aspect ratio		4:3
	Native Resolution		SXGA+
	Brightness		3500 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		Adobe RGB, s RGB, Presentation, Standard, Movie & Photo
	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		270W NSH (DC)
	Lamp Life(Quiet/Normal)		2000/1500 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)	355W/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 .4 lbs (4.7 kg)