

Bid Spec

**1.0 Description**

The projector shall be WUXGA resolution. It should 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. Lens should be wide angle - 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 optical engine.
- b. The projector must have a native resolution of WUXGA (1920 x 1200).
- c. The projector must support WXGA (for wide screen use).
- d. The projector's brightness must be 3200 lumens with contrast of 1000:1.
- e. The projector lens must have a wide angle lens (100 inch diagonal screen at less than 10 feet).
- f. The projector must have a built in powered optical zoom lens of 1.5 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 sRGB color space.
- b. The projector must have automatic keystone correction of  $\pm 20$  degrees vertically.
- 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 improve optical efficiency for better color reproduction and brightness.

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 an internal charging unit to run the fan for an adequate period of time, in order for the lamp to cool down when power has been accidentally removed from projector.

Inputs and Outputs:

- a. The projector must have one HDMI™ (V.1.3 with Deep Color).
- b. The projector must have one DVI input.
- 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 composite video input.
- h. The projector must have a RS-232 port for control.
- i. The projector must have a built-in network interface for control

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 a 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 WUX10		
Basics	Imaging Device		0.7" Reflective LCD panels (LCOS) x 3	
	Aspect ratio		16:10	
	Native Resolution		WUXGA (1920 x 1200)	
	Brightness		3200 Lumens	
	Uniformity		88%	
	Contrast		1000:1	
	Keystone	Vertical	+/- 20 degrees(Auto/Manual)	
Optics	Projection lens		F1.95 - 2.65 , f=21.8 - 31.9mm	
	Lens shift		10:0, Fixed	
	Zoom		1.5x Powered , 12x Digital zoom	
	Focus		Powered (Auto/Manual)	
	Screen size		40" - 300"	
	Projection distance coverage		3.9 - 29.9ft (1.2 – 9.1m) / 100": 9.8 - 16.1ft (3.0 - 4.9m)	
	Throw Ratio		1.48-2.18:1	
Image Adjustments	Color Mode		Standard, Presentation, Movie, sRGB	
	Color Adjust		Dynamic Gamma, 6-axis(RGBCMY) Color Adjustment	
	Wall Correction		Auto/Manual	
	Mounting		Ceiling/Rear/Ceiling and Rear	
	Tilt Angle		Adjusting feet up to 10 degrees	
Input Signals	Digital PC input		WUXGA / UXGA / WSXGA+ / SXGA+ / WSXGA / SXGA WXGA / XGA / SVGA / VGA	
	Scanning frequency		H:15 ~ 75 kHz , V: 50 ~ 85 Hz, Dot clock: 170 MHz	
	Analog PC input		UXGA / SXGA+ / SXGA / WXGA / XGA / SVGA / VGA	
	Scanning frequency		H:15 ~ 75 kHz , V: 50 ~ 85 Hz, Dot clock: 170 MHz	
	Video/S-video input		NTSC / PAL / SECAM / NTSC4.43 / PAL-M / PAL-N	
	Component input		1080p / 1080i / 1035i / 720p / 576p / 480p / 576i / 480i	
	Digital video input		HDMI: 1080p / 1080i / 1035i / 720p / 576p / 480p	
Terminals	Input	DVI-I 29pin		Digital PC input / Analog PC input
		HDMI		HDMI™ (V. 1.3 Deep Color) / Digital Video input & Audio input (linear PCM)
		D-sub 15pin		Analog PC input
		RCA		Composite input
		Stereo mini jack		Stereo audio input x 3
	Output	D-sub 15pin		Analog PC output**
		Stereo mini jack		Stereo audio output x 1
		Control Terminals	RS-232	D-sub 9 pin
	RJ-45		Yes	
	Build-In Speaker		1(W) Mono	
Lamp	Type		275W NSH (AC)	
	Lamp Life(Quiet/Normal)		3000 / 2000 Hours	
Remote Control	Sensor		Wireless Infrared, Front/Back	
Ratings	Fan noise (Normal/Quiet)		35/31 dB	
	Power	Consumption (Normal / Quiet / Stand-by)	390W / 320W / 15W	
		Voltage	AC 100 to 240V, 50/60Hz	
	Temperature	Operating	41° to 95° F (5° to 35° C)	
		Storage	-22° to 104° F (-30° to 60° C), 5%RH ~ 90%RH	
	Dimensions W x D x H		11.2" x 13.2" x 4.5" (284 x 336 x 114mm)	
Weight		10.8 lbs (4.9kg)		

\*\*Shared with D-sub15pin input