

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 system.
- 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 a DICOM Simulation mode.
- b. The projector must have 21 steps of preset gamma adjustment.
- c. The projector must have a Photo mode.
- d. The projector must have color temperature adjustment.
- e. The projector must have color level adjustment.
- f. The projector must have sRGB color space.
- g. The projector must have automatic keystone correction of  $\pm 20$  degrees vertically.
- h. 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:**

- b. The projector must have auto input detection.
- c. The projector must have auto focus.
- d. The projector must have auto vertical keystone.
- e. The projector must have auto wall color correction.
- f. 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:**

- b. The projector must be powered by 100V to 240V/ 50/60Hz.
- c. The projector must weight less than 11 pounds.
- d. 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.

## WUX10 Mark II D Specifications

<b>Basic</b>	<b>Imaging Device</b>		0.7" Reflective LCD Panels (LCOS) x 3
	<b>Aspect Ratio</b>		16:10
	<b>Native Resolution</b>		WUXGA (1920 x 1200)
	<b>Brightness</b>		3200 Lumens
	<b>Uniformity</b>		88%
	<b>Contrast</b>		1000:1
	<b>Keystone</b>		<b>Vertical</b> <b>Horizontal</b>
<b>Optics</b>	<b>Projection Lens</b>		F1.85-2.65, f= 21.8-31.9
	<b>Lens Shift</b>		10:0, Fixed
	<b>Zoom</b>		1.5 X Powered
	<b>Focus</b>		Powered (Auto/Manual)
	<b>Screen Size</b>		40"-300"
	<b>Projection Distance Coverage</b>		3.9 - 29.9 ft.
	<b>Throw Ratio</b>		1.48 - 2.18:1
<b>Image Adjustments</b>	<b>Color Mode</b>		sRGB, Presentation, Standard, Movie, Photo, DICOM
	<b>Color Adjust</b>		Dynamic Gamma, 6-Axis(RGBCMY) Color Adjustment
	<b>Wall Correction</b>		Auto / Manual
	<b>Mounting</b>		Ceiling / Rear / Ceiling and Rear
<b>Input Signals</b>	<b>Digital PC Input</b>		WUXGA / UXGA / WSXGA+ / SXGA+ / WSXGA / SXGA / WXGA / XGA / SVGA / VGA
	<b>Scanning Frequency</b>		H:15 ~ 75 kHz , V:50 ~ 85 Hz, Dot clock: 170 MHz
	<b>Analog PC Input</b>		WUXGA / UXGA / WSXGA+ / SXGA+ / WSXGA / SXGA / WXGA / XGA / SVGA / VGA
	<b>Scanning Frequency</b>		H:15 ~ 75 kHz , V:50 ~ 85 Hz, Dot clock: 170 MHz
	<b>Video/S-video Input</b>		Composite Only
	<b>Component Input</b>		1080p / 1080i / 1035i / 720p / 576p / 480p / 576i / 480i
	<b>Digital Video Input</b>		HDMI: 1080p / 1080i / 720p / 576p / 480p
<b>Terminals</b>	<b>Inputs</b>	<b>DVI-I 29pin</b>	Digital PC input / Analog PC input
		<b>HDMI</b>	Ver. 1.3 Deep Color, Digital video input & Audio input (Linear PCM)
		<b>D-sub 15pin</b>	Analog PC IN*
		<b>RCA</b>	Composite input
		<b>USB</b>	N/A
	<b>Outputs</b>	<b>Stereo mini-jack</b>	Stereo audio input x3
		<b>D-sub 15pin</b>	N/A
		<b>Stereo mini-jack</b>	Stereo audio output x1
	<b>Control</b>	<b>RS-232</b>	D-sub 9pin
		<b>RJ-45</b>	Yes
<b>Built-in Speaker</b>		1W (Mono)	
<b>Lamp</b>	<b>Type</b>		275W NSH (AC)
	<b>Life (Quiet/Normal)</b>		3000/2000 Hours
<b>Remote Control</b>	<b>Sensor</b>		Wireless Infrared, Front / Back
	<b>Mouse Control</b>		N/A
<b>Ratings</b>	<b>Fan Noise (Normal / Quiet)</b>		36/32dB
	<b>Power</b>	<b>Consumption (Normal / Quiet / Stand-by)</b>	400W (normal) / 330W (quiet) / 11W (stand-by)
		<b>Voltage</b>	AC 100 ~ 240V, 50/60Hz
	<b>Temperature</b>	<b>Operating</b>	41 to 95 F (5 to 35 C)
		<b>Storage</b>	104 to -22 F (60 to -30 C), 5%RH ~ 90%RH
	<b>Dimensions (W x D x H)</b>		11.2" x 13.2" x 4.5" (284 x 336 x 114mm)
	<b>Weight</b>		10.9 lbs. (4.94 kg.)
<b>Warranty</b>		3 years parts and labor, 120 day lamp	

\* Shared with D-sub15pin