

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 shall use the LCOS technology and incorporate AISYS system.
- b. It should have a native resolution of XGA (1024 x 768)
- c. Projector shall support WXGA (for wide screen use)
- d. Brightness shall be 3500 lumens with contrast of 1000:1
- e. Projector lens shall be of wide angle (100 inch diagonal screen at less than 10 feet)
- f. Shall have a built in powered optical zoom lens of 1.7x with Auto Focus
- g. Pixel aperture shall be 90% or higher.
- h. 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 35dB in brighter mode.

Warranty

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

## Specifications

|                   |                              |   |  |
|-------------------|------------------------------|---|--|
| Product           |                              | X600  |  |
| Basics            | Imaging Device               | 0.7" Reflective LCD panels (LCoS) x 3                     |  |
|                   | Aspect ratio                 | 4:3   |  |
|                   | Native Resolution            | XGA   |  |
|                   | 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                   | 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                                   |
|                   | 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)      | 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)  |  |