



## 3 Major Functions to Evolve Teaching

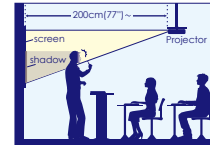
### 1. Functional Performance at Its Best

#### Ultra-short Throw Projection

The issue of presenting in environments with limited projection space can now be eliminated with the new XD221U-ST. This native XGA projector is equipped with an ultra-powerful short-throw lens that can project an amazing 60-inch diagonal image from a distance of just 33 inches (83cm) from the screen. With such an amazingly short projection distance, any concerns about presenters casting their shadow on the screen are now eliminated.

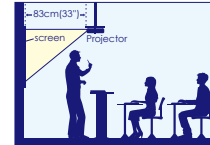
#### Projected Image Comparison (60-inch screen)

Conventional Mitsubishi Electric model  
[Projection distance of 200cm+(77"+)]



Due to a long projection distance, the instructor is forced to stand directly between the projector and the screen. When facing the students, the projector light enters the instructor's field of vision. This can blind the instructor, whose shadow may also be cast on the screen.

XD221U-ST



With the projector installed close to the screen, the projector light does not get in the instructor's eyes even when directly facing the students. This proximity also keeps the instructor's shadow off the presentation contents.

### 2. Quiet Fan Noise

#### Silent 26dBA Operation (in Low mode)

Like giving a presentation in a suburban residential area in the middle of the night! That's the operating sound level promised by the XD221U-ST.

#### Noise Level Examples

- 20dBA: The sound of rustling tree leaves, ticking of a clock's second hand (from 1m away).
  - 30dBA: Whispering voices, the suburbs late at night.
  - 40dBA: A quiet residential area, songbirds chirping.
- 26dBA**  
XD221U-ST

### 3. Low Operating Cost

#### Standby Mode Under 1W\*1, 5,000hr Long-life Lamp\*2, Filter-free

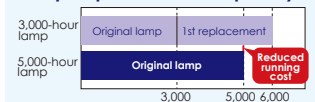
Low operating cost realized by considering energy savings for every function. Maintenance has been reduced as well.

(\*1): 3W in Normal mode (network turned on).

(\*2): When used in the Low lamp mode. Maximum lamp life in Standard mode use is 3,000 hours.

(\*3): Lamp life refers to the average time required for brightness to be reduced by half, and not the time specified in the warranty. Service life may vary widely depending on the environment and conditions, and whether or not cleaning and other maintenance procedures are followed.

#### Lamp Replacement Frequency\*3



The perfect projector for educational environments

**NEW** Ultra-short Throw Projector

# XD221U-ST

**Make Lessons Easy  
to Understand,  
And Simple to Teach...  
Ultra-short Throw Lens**



## Professional Specifications and High Cost Performance

### 10W Speaker + Audio Mix *Excellent Sound Projection*

A high-volume, 10W speaker is built-in, eliminating the need for an external speaker. By using a microphone (sold separately) the presenter's voice is reproduced loud and clear in real-time. Additionally, the "Audio Mix" feature enables the microphone's audio to lay over the sound from another input source.

### Closed Caption (CC) Capable *Automatic Subtitle Function*

### Quick Menu *Easy Menu Navigation*

### Built-in RJ-45 Port *All-in-one Web-based Management of Multiple Projectors*

### Top-loading Lamp *Simple Lamp Replacement*



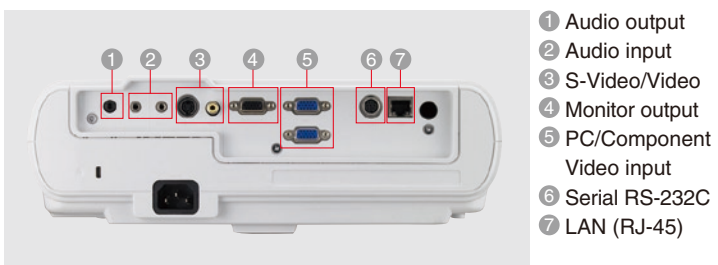
**PICTURE BY DLP™**  
**TEXAS INSTRUMENTS**

# XD221U-ST

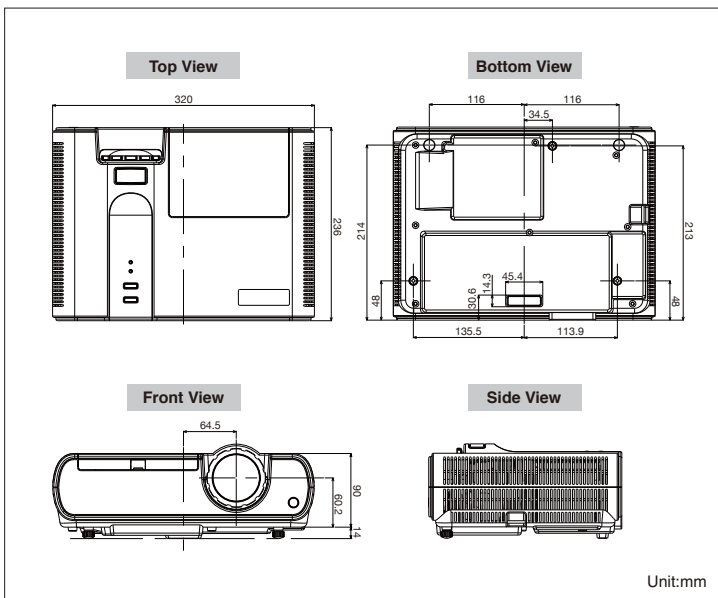
Ultra-short Throw Projector

- |                  |                   |                       |             |                |                  |                     |
|------------------|-------------------|-----------------------|-------------|----------------|------------------|---------------------|
| Brilliant Color™ | Color Enhancer    | Wall Screen           | 10W Speaker | Password Lock  | Instant Shutdown | Picture Performance |
| Long-life Lamp   | Low Standby Power | Top/Side Loading Lamp | LAN (RJ-45) | Closed Caption | Low Fan Noise    | Presentation        |
|                  |                   |                       |             |                |                  | User Friendly       |

### Input and Output Terminals



### Dimensions

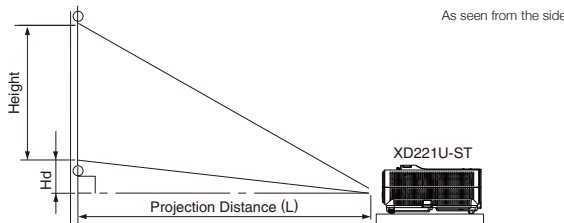


### Specifications

Model	XD221U-ST
Display Technology	0.55" 1-Chip DMD
Resolution	1024 x 768 (Total 786,432 pixels)
Brightness	2000lm
Contrast Ratio	2500 : 1
Picture Size	40" - 300"
Throw Ratio	0.7
Source Lamp	160W (Shut-off Time 5000hr) with Low Mode, 180W (Shut-off Time 3000hr) with Standard Mode
PC Compatibility	640 x 480 - 1280 x 1024, True : 1024 x 768, Sync on Green available
Video Compatibility	NTSC / NTSC 4.43 / PAL (including PAL-M, N) / SECAM / PAL-60 Component Video ; 480i/p (525i/p), 576i/p (625i/p), 720p (750p), 1080i (1125i 60Hz), 1080i (1125i 50Hz)
Input Terminals	RGB ; mini D-sub 15pin x 2 RCA x 1 + S-VIDEO x 1 Audio ; Stereo mini jack (ø3.5mm) x 2
Output Terminals	RGB ; mini D-sub 15pin x 1 Audio ; Stereo mini jack (ø3.5mm) x 1
Communication Terminal	RS-232C; mini DIN 8pin x 1, LAN (RJ-45) x 1
Audio Speaker	10W Mono
Dimensions (W x H x D)	320 x 104 x 236 mm / 12.6 x 4.1 x 9.3 inch
Weight	3.2kg / 7.0lbs
Power Requirements	AC 100-240V, 50/60Hz
Optional Lamp	VLT-XD221LP

• Compliance with ISO21118-2005  
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### Screen size and Projection distance



Screen size chart (4:3 aspect ratio)

Diagonal Size		Screen Width (W)		Screen Height (H)		Distance from screen (L)		Height projected image (Hd)	
inch	cm	inch	cm	inch	cm	inch	m	inch	cm
40	102	32	81	24	61	22	0.5	3.6	9
60	152	48	122	36	91	33	0.8	5.4	14
80	203	64	163	48	122	44	1.1	7.2	18
100	254	80	203	60	152	55	1.4	9.0	23
150	381	120	305	90	229	83	2.1	13.4	34
200	508	160	406	120	305	111	2.8	17.9	45
250	635	200	508	150	381	139	3.5	22.4	57
300	762	240	610	180	457	167	4.3	26.9	68

The above numbers are approximate, and may be slightly different from the actual measurements.

Screen size chart (16:9 aspect ratio)

Diagonal Size		Screen Width (W)		Screen Height (H)		Distance from screen (L)		Height projected image (Hd)	
inch	cm	inch	cm	inch	cm	inch	m	inch	cm
40	102	35	89	20	50	23	0.6	7.2	18
60	152	52	133	29	75	36	0.9	10.8	27
80	203	70	177	39	100	48	1.2	14.3	36
100	254	87	221	49	125	60	1.5	17.9	46
150	381	131	332	74	187	91	2.3	26.9	68
200	508	174	443	98	249	121	3.1	35.9	91
250	635	218	553	123	311	152	3.9	44.8	114
300	762	261	664	147	374	182	4.6	53.8	137

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