



### 3 Major Functions to Evolve Teaching

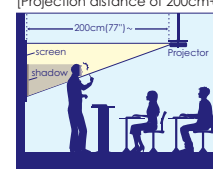
#### 1. Functional Performance at Its Best

##### 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.

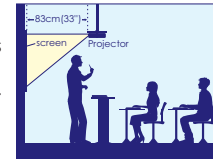
##### Projected Image Comparison (60-inch screen)

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.

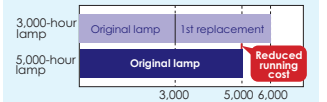
**26dBA**  
XD221U-ST

#### 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.

##### Lamp Replacement Frequency\*3



(\*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.

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

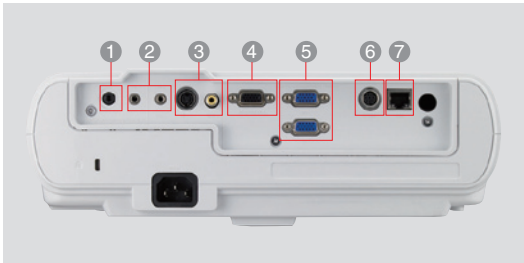
|                  |                   |                       |             |                |                  |                     |
|------------------|-------------------|-----------------------|-------------|----------------|------------------|---------------------|
| Brilliant Color™ | Color 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       |

## 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,<br>180W (Shut-off Time 3000hr) with Standard Mode                                                                               |
| PC Compatibility       | 640 x 480 - 1280 x 1024,<br>True : 1024 x 768, Sync on Green available                                                                                                     |
| Video Compatibility    | NTSC / NTSC 4.43 / PAL (including PAL-M, N) / SECAM / PAL-60<br>Component Video ; 480i/p (525i/p), 576i/p (625i/p),<br>720p (750p), 1080i (1125i 60Hz), 1080i (1125i 50Hz) |
| Input Terminals        | RGB ; mini D-sub 15pin x 2<br>RCA x 1 + S-VIDEO x 1<br>Audio ; Stereo mini jack (ø3.5mm) x 2                                                                               |
| Output Terminals       | RGB ; mini D-sub 15pin x 1<br>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                                                                                                                                                                |

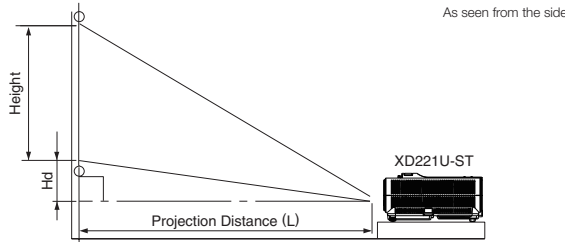
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## Input and Output Terminals

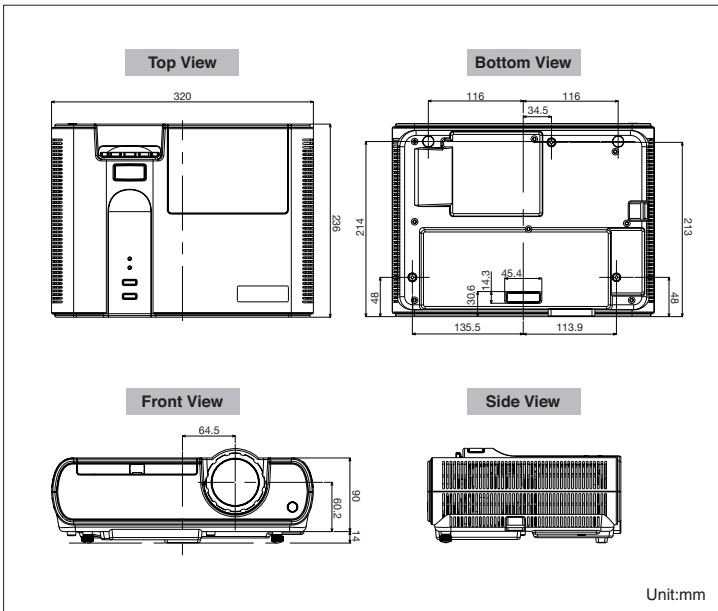


- 1 Audio output
- 2 Audio input
- 3 S-Video/Video
- 4 Monitor output
- 5 PC/Component Video input
- 6 Serial RS-232C
- 7 LAN (RJ-45)

## Screen size and Projection distance



## Dimensions



Screen size chart (4:3 aspect ratio)

| Diagonal Size |     | Width (W) |     | 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 |     | Width (W) |     | 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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## MITSUBISHI ELECTRIC EUROPE (BENELUX Office)

Nijverheidsweg 23A, 3641 RP Mijdrecht - The Netherlands  
Tel: +31 (0)297-282461 Fax: +31 (0)297-283936 - [www.MitsubishiElectric.nl](http://www.MitsubishiElectric.nl)

To find out more about XD221U-ST and our projectors, visit us at

[www.MitsubishiElectric.nl](http://www.MitsubishiElectric.nl)