# MITSUBISHI ELECTRIC

# MULTIMEDIA DATA/VIDEO PROJECTORS

## In the Boardroom or Classroom…
## Add life to your presentations

**NEW**
Mobile XGA Projector
# EX220U

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**POINT 1**

## Light & compact body

### A light 2.4kg, 2500lm brightness

The EX220U weighs in at a light 2.4kg for excellent portability, and offers an impressive projection brightness of 2500lm. Whether used in a meeting room or classroom, clear images are reproduced even in ambient light.

1000lm

2500lm

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**POINT 2**

## Usability

### Wall Screen

Projects natural color images not only onto white or black boards, but light-yellow, blue, light-green or pink walls as well — turning nearly any wall into a projection surface.

### Direct Power Off

The EX220U features a direct power off function that immediately cuts all power, eliminating previously the annoying power-down time required before unplugging the projector. When the presentation is over, simply turn off the power, disconnect the projector, and you're ready to go. A must-have feature for people that require mobility and have busy schedules.

### Top-loading lamp

The projection lamp is installed in the upper section of the main body. Whether sitting on a shelf or suspended from the ceiling, lamp replacement is simple and easy[1], and there's never a need to move the whole projector.
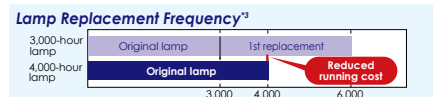
[1]; A lamp replacement attachment is included to prevent the lamp from being dropped during replacement.

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**POINT 3**

## Ecological & Cost-efficient

### Long 4,000hr[2] Lamp Life

By increasing the estimated lamp life, we've added the advantages of lower maintenance and reduced operating cost.

**Lamp Replacement Frequency[3]**

| | | |
|---|---|---|
| 3,000-hour lamp | Original lamp | 1st replacement |
| 4,000-hour lamp | Original lamp | Reduced running cost |

3,000   4,000   6,000

[2]; When used in 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. Lamp service life may vary widely depending on the environ-ment and conditions, and whether or not cleaning and other maintenance procedures are followed.

### Stand-by Mode under 1W

Stand-by mode power consumption is less than 1W, offering increased energy savings and further contributing to environmental preservation.

**for a greener tomorrow**   eco Changes

## NEW

### DLP™ TEXTURE INSTRUMENTS — PICTURE BY DLP™ TEXAS INSTRUMENTS

# EX220U
## Mobile XGA Projector

| Brilliant Color™ | Wall Screen | Password Lock | Direct Power Off | Long-life Lamp | Low Standby Power |
|---|---|---|---|---|---|
| Top Loading Lamp | Closed Caption | Low Fan Noise | | | |

- ■ Picture Performance
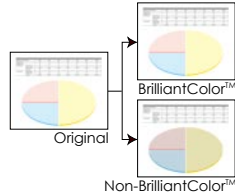- ■ Presentation
- ■ User Friendly

## Other Features

**Superior Color Performance**
**New BrilliantColor™ (6segment color wheel) Adopted**
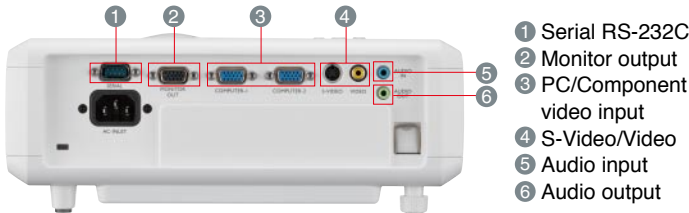∗ BrilliantColor is a trademark of Texas Instruments.

**For worldwide business presentation**
**18 Languages OSD**

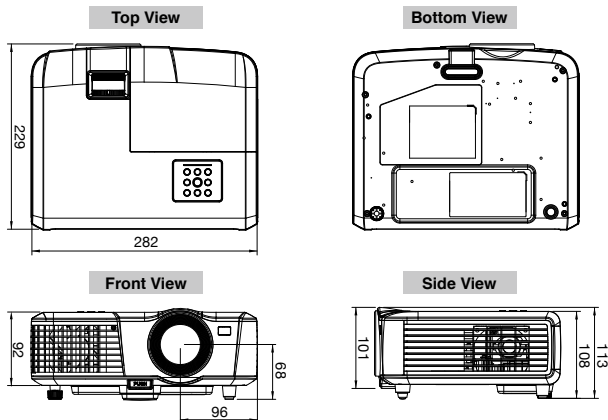**Automatic Subtitle Function**
**Closed Caption (CC) Capable**

**Enhanced Terminal**
**Dual RGB Input Terminal**

Original
BrilliantColor™
Non-BrilliantColor™

## Input and Output Terminals

1. Serial RS-232C
2. Monitor output
3. PC/Component video input
4. S-Video/Video
5. Audio input
6. Audio output

## Dimensions

**Top View**
229
282

**Bottom View**

**Front View**
92
68
96

**Side View**
101
113
108

Unit:mm

## Specifications

| Model | EX220U |
|---|---|
| Display Technology | 0.55" 1-Chip DMD |
| Resolution | 1024 x 768 (Total 786,432 pixels) |
| Brightness[*1] | 2500lm |
| Contrast Ratio | 2000 : 1 |
| Picture Size | 40" - 300" |
| Throw Ratio | 1.9 - 2.1 |
| Source Lamp | 160W (Shut-off Time 4000hr) with Low Mode, 185W (Shut-off Time 3000hr) with Standard Mode |
| PC Compatibility | 640 x 400 - 1600 x 1200, 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 1 |
| Output Terminals | RGB ; mini D-sub 15pin x 1 Audio ; Stereo mini jack (ø3.5mm) x 1 |
| Communication Terminal | RS-232C; D-Sub 9pin x 1 |
| Audio Speaker | 2W Mono |
| Dimensions (W x H x D) | 282 x 92 x 229 mm / 11.1 x 3.6 x 9.0 inch |
| Weight | 2.4kg / 5.3lbs |
| Power Requirements | AC 100-240V, 50/60Hz |
| Optional Lamp | VLT-EX240LP |

*1 Compliance with ISO21118-2005
• All brand names and product names are trademarks, registered trademarks or trade names of their respective holders.

## Screen size and Projection distance

As seen from the side

Height
Hd
Projection Distance (L)
EX220U
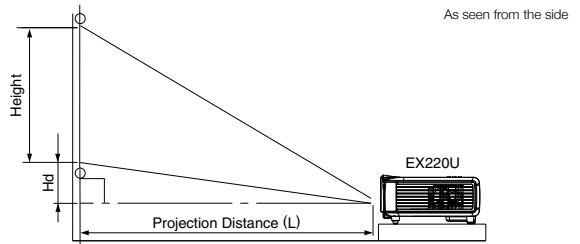
### Screen size chart (4:3 aspect ratio)

| Screen | | | | | | Distance from screen (L) | | | | Height projected image (Hd) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diagonal Size | | Width (W) | | Height (H) | | Shortest (Wide) | | Longest (Tele) | | | |
| inch | cm | inch | cm | inch | cm | inch | m | inch | m | inch | cm |
| 40 | 102 | 32 | 81 | 24 | 61 | 60 | 1.5 | 66 | 1.7 | 2 | 6 |
| 60 | 152 | 48 | 122 | 36 | 91 | 90 | 2.3 | 99 | 2.5 | 4 | 9 |
| 80 | 203 | 64 | 163 | 48 | 122 | 120 | 3.0 | 132 | 3.4 | 5 | 12 |
| 100 | 254 | 80 | 203 | 60 | 152 | 150 | 3.8 | 165 | 4.2 | 6 | 15 |
| 150 | 381 | 120 | 305 | 90 | 229 | 225 | 5.7 | 247 | 6.3 | 9 | 23 |
| 200 | 508 | 160 | 406 | 120 | 305 | 300 | 7.6 | 330 | 8.4 | 12 | 30 |
| 250 | 635 | 200 | 508 | 150 | 381 | 375 | 9.5 | 412 | 10.5 | 15 | 38 |
| 300 | 762 | 240 | 610 | 180 | 457 | 450 | 11.4 | – | – | 18 | 46 |

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

### Screen size chart (16:9 aspect ratio)

| Screen | | | | | | Distance from screen (L) | | | | Height projected image (Hd) | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Diagonal Size | | Width (W) | | Height (H) | | Shortest (Wide) | | Longest (Tele) | | | |
| inch | cm | inch | cm | inch | cm | inch | m | inch | m | inch | cm |
| 40 | 102 | 35 | 89 | 20 | 50 | 66 | 1.7 | 73 | 1.9 | 6 | 15 |
| 60 | 152 | 52 | 133 | 29 | 75 | 99 | 2.5 | 109 | 2.8 | 9 | 22 |
| 80 | 203 | 70 | 177 | 39 | 100 | 132 | 3.4 | 146 | 3.7 | 12 | 30 |
| 100 | 254 | 87 | 221 | 49 | 125 | 166 | 4.2 | 182 | 4.6 | 15 | 37 |
| 150 | 381 | 131 | 332 | 74 | 187 | 248 | 6.3 | 273 | 6.9 | 22 | 56 |
| 200 | 508 | 174 | 443 | 98 | 249 | 331 | 8.4 | 364 | 9.3 | 29 | 75 |
| 250 | 635 | 218 | 553 | 123 | 311 | 414 | 10.5 | 455 | 11.6 | 37 | 93 |
| 275 | 699 | 240 | 609 | 135 | 342 | 455 | 11.6 | – | – | 40 | 103 |

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

*To find out more about our projectors, visit us at*

## ◆MITSUBISHI ELECTRIC EUROPE (BENELUX Office)

New publication, effective Sep. 2011
Specifications are subject to change without notice.