

# XD590U

Mobile XGA Projector

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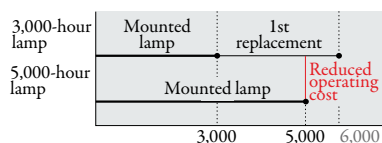
## High Brightness and High Contrast for Clear Presentations

### Ecological & Cost-effective

#### Long 5,000hr<sup>\*1</sup> Lamp Life

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

Lamp Replacement Frequency<sup>\*2</sup>



<sup>\*1</sup> When used in low lamp mode. Maximum lamp life in standard mode use is 3,000 hours.

<sup>\*2</sup> Lamp life specification is an estimate based on verification under proper conditions and is not the duration of the warranty. Lamp will shut-off automatically when usage reaches the specified estimated maximum lamp hours. Service life may vary widely depending on usage and operating environment and conditions, as well as users' adherence to the maintenance and cleaning procedures provided in the user manual.

### Exceptionally Quiet

#### Silent 25dBA Operation (in low mode)

High brightness is commonly accompanied by louder fan operation noise; but not so for the XD590U. Utilising unique design technologies, the XD590U provides bright 3800lm image projection while operating at an impressively quiet 25dBA.

- **3800 ANSI lumens**
- **2000:1 Contrast ratio**
- **Up to 5,000 hour lamp life**
- **Brilliant Colour™**
- **Stand by mode**
- **Instant Shutdown**
- **Low Fan Noise**



## Brighter display solutions



## Other Special Features

Figure 10 consists of two bar charts. The left chart is titled 'The iterations of an input queue' and is for a distance of 3000m. The right chart is also titled 'The iterations of an input queue' and is for a distance of 3800m. Both charts have a y-axis labeled 'iterations' ranging from 0 to 1000. The x-axis for both charts has five categories, each with three bars representing different methods: random (green), greedy (blue), and proposed (red). In the 3000m chart, the iterations for the proposed method are approximately 650, 750, 850, 950, and 1050. In the 3800m chart, the iterations for the proposed method are approximately 750, 850, 950, 1050, and 1150. The greedy method consistently shows the highest iterations, followed by the random method, and then the proposed method.

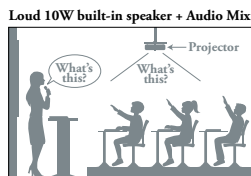
The XD590U is equipped with a specially calibrated lens for high-power projection. Projection distances from 1.7 to 2.6m (68in to 102in) are possible using a 60-inch screen, and brilliant, crystal-clear images are assured even when projection distance is short.

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\*, and there's never a need to move the whole projector.



A high-volume, 10W speaker is built-in, eliminating the need for an external speaker.

Using the "Audio Mix\*" feature and wireless microphone sold separately, the presenter's voice is reproduced loud and clear in real-time.



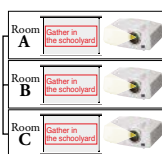
\*Only compatible with stereo mini-jack. Not compatible with RCA jack (L/R) or HDMI.

Using a control room computer equipped with projector-control software, simultaneously send messages (up to 350 characters long) in real-time to projectors connected to the LAN. Ideal for broadcasting important information to multiple rooms in schools or office buildings.



### Control room

IT manager inputs message and sends



Experience the impact and allure of 3D images. The 3D video content must be in field sequential format and special electronic shutter glasses are required.

- Varies depended on condition.
- All brand names and product names are trademarks, registered trademarks or trade names of their respective holders.
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- "HDMI, the HDMI Logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries."



for a greener tomorrow

Eco Changes is the Mitsubishi Electric Group's environmental statement, and expresses the Group's stance on environmental management. Through a wide range of businesses, we are helping contribute to the realization of a sustainable society.

Model	XD590U
Display technology	0.7" 1-chip DMD
Resolution	1024 x 768 (total 786,432 pixels)
Brightness	3800lm
Contrast ratio	2000 : 1
Picture size	40" - 300"
Throw ratio	1.4 - 2.1
Source lamp	190W (shut-off time 5000hr) in low mode, 230W (shut-off time 3000hr) in 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 Video; RCA x 1, S-VIDEO x 1 Digital; HDMI x 1 Audio; stereo mini jack (ø3.5mm) x 2, RCA jack (L/R) x 1
Output terminals	RGB; mini D-sub 15pin x 1 Audio; stereo mini jack (ø3.5mm) x 1
Communication terminal	Serial; mini DIN 8pin x 1 (RS-232C), LAN; RJ-45 x 1
Audio speaker	10W mono
Dimensions (W x H x D)	345 x 129 x 270 mm / 13.6 x 5.1 x 10.6 inch
Weight	3.7kg / 8.0lbs
Power requirements	AC 100-240V, 50/60Hz
Optional lamp	VLT-XD590LP

Side view

Height

Hd

Projection distance (L)

XD590U

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	45	1.1	67	1.7	3.6	9
60	152	48	122	36	91	68	1.7	102	2.6	5.4	14
80	203	64	163	48	122	91	2.3	137	3.5	7.2	18
100	254	80	203	60	152	115	2.9	171	4.3	9.0	23
150	381	120	305	90	229	173	4.4	258	6.5	13.5	34
200	508	160	406	120	305	231	5.9	344	8.7	18.0	46
250	635	200	508	150	381	289	7.3	431	10.9	22.5	57
300	762	240	610	180	457	348	8.8	517	13.1	27.0	69

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

The rear panel of the device features the following ports and connections:

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