

# XD280U

Der kleine Leichte mit dem starken Bild



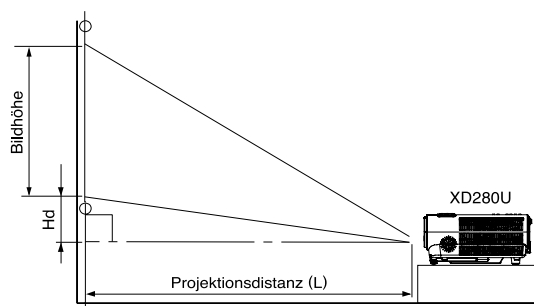
## Technische Daten

Technologie	0,55" 1-Chip DMD, 12° LVDS, DDP2230
Auflösung/Pixelanzahl	1.024 x 768 (ges. 786.432 Pixel)
Bildhelligkeit	3.000 ANSI Lumen
Kontrastverhältnis	2.000:1 (on/off)
Vertikalfrequenz (V-Sync)	50–85 Hz
Horizontalfrequenz (H-Sync)	15–80 kHz
Bandbreite	bis 110 MHz
Projektionslampe	230 W
Lampenlebensdauer	ca. 6.000 Stunden (Low Mode) <sup>1</sup>
Objektiv	F/2,5–2,8, f = 18,4–22 mm
Fokus/Zoom	manueller Fokus und Zoom (Zoomverhältnis: 1,2:1)
Projektionsverhältnis	1,7–2,0:1
Bilddiagonale	1,02–7,62 m
Lüftergeräusch	28 dB (Low Mode)
Integrierter Lautsprecher	10 W Mono
PC-Kompatibilität	640 x 480 bis 1.024 x 768 Pixel (kompr. 1.280 x 1.024 Pixel), Sync auf Grün möglich
Video-Kompatibilität	NTSC/NTSC 4.43, PAL (inkl. PAL-M, N), SECAM, PAL-60, Komp. Video: 480i/p (525i/p), 576i/p (625i/p), 720p (750p), 1.080i (1.125i, 60 Hz), 1.080i (1.125i, 50 Hz)
Funktionen/Besonderheiten	PIN-Code-Schutz (Menüeinstellungen), Instant Shut-down, digitale Trapezkorrektur (vertikal), Metallverankerung zur Diebstahlsicherung, RS232C,

bequemer Lampenzugriff von oben, dynamische Lampenleistungssteuerung, Wall-Screen-Funktion, Audio-Mix-Funktion, >1 W Stromverbrauch im Stand-by-Modus

Eingänge	PC (RGB): 2 x Mini-D-Sub 15-polig Audio: 2 x Stereo-Mini-Klinke (1 x für PC, 1 x für Video), Ø 3,5 mm Video: RCA, S-Video Digital: HDMI Video, Audio: RCA (L/R)
Ausgänge	PC (RGB): Mini-D-Sub 15-polig Audio: Stereo-Mini-Klinke (Ø 3,5 mm)
Kommunikationsschnittstellen	RS232C, Mini-DIN 8-polig, LAN (RJ-45)
Fernbedienung	Komplettbedienung des Projektors
Maße (B x H x T)	325 x 118 x 251 mm (exkl. Standfüße)
Gewicht	3,3 kg
Leistungsaufnahme	ca. 330 W
Spannung	AC 100–240 V, 50/60 Hz
Mitgeliefertes Zubehör	Kabelsatz, Fernbedienung inkl. Batterien, Softbag, mehrsprachige Bedienungsanleitung (CD-ROM), Kurzbedienungsanleitung, Sicherheitshinweise, Schutzkappe für Objektiv

<sup>1</sup>Abhängig vom Einsatzbereich und der Nutzung. Es handelt sich um einen Durchschnittswert des Lampenherstellers, der unter Idealbedingungen ermittelt wurde.



Bildgröße (4:3-Format)			Projektionsdistanz (L)		Offset (Hd)
Bilddiagonale cm	Breite cm	Höhe cm	m/minimal mit Maximal-Zoom	m/maximal mit Minimal-Zoom	cm
102	81	61	1,3	1,6	9
152	122	91	2,0	2,4	14
203	163	122	2,6	3,2	18
254	203	152	3,3	4,0	23
381	305	229	4,9	6,0	34
508	406	305	6,6	8,0	45
635	508	381	8,3	10,0	57
762	610	457	9,9	–	68

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# XD280U

Ultra Portable XGA Projector



<b>Display Technology</b>	0.55" 1-Chip DMD, 12deg.LVDS, DDP2230
<b>Resolution</b>	1024 x 768 (Total 786,432 pixels)
<b>Brightness</b>	3000lm (Normal Mode)
<b>Color Wheel</b>	6seg. Color Wheel (R/G/B/W/Y/C)
<b>Contrast Ratio</b>	2000 : 1 (on/off)
<b>Zoom/Focus</b>	Manual Focus & Zoom Lens (Zoom Ratio 1.2:1) ,with Zoom Trigger
<b>Projection Lens</b>	f=18.4 ~22.0 mm, F=2.5-2.8, (3.3-4.0m@100")
<b>Off set axis</b>	7.9:-1 , Hd=9" up @100"
<b>Picture Size</b>	40" - 300"(Wide)
<b>Source Lamp</b>	3000 hours (standard mode), <b>6000 hours</b> (low mode)
<b>PC Compatibility</b>	Resolution: 640 x480 (Expand) - 1024 x 768(Real) - 1280 x 1024 (Compressed) Sync on Green available
<b>Video Compatibility</b>	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)
<b>Input Terminals</b>	RGB: mini D-sub 15pin x 2 Audio: Stereo mini jack (φ3.5mm) x 2 (one for PC, another one for Video) Video: RCA x 1 + S-VIDEO x 1 Digital: HDMI x 1 Video Audio: RCA jack (L/R) x 1
<b>Output Terminal</b>	RGB: mini D-sub 15pin x 1 Audio: Stereo mini jack (φ3.5mm) x 1
<b>Communication Terminal</b>	RS232C: Mini DIN 8pin x 1 LAN (RJ-45): x 1
<b>Scanning Rate</b>	[H] 15 - 80 kHz [V] 50 - 85 Hz [Dot clock] max.110 MHz
<b>Audio Speaker</b>	10W Mono
<b>Height Adjuster</b>	Screw type Front leg ( 0 to 7 degree variable )
<b>IR receiver</b>	Front×1, Rear×1
<b>Outstanding Feature</b>	<ul style="list-style-type: none"><li>• Auto Digital Keystone Correction (V only)</li><li>• RS232C Communication</li><li>• Chain Lock Bar</li><li>• 12 Language OSD</li><li>• Instant Shut Down</li><li>• Dynamic lamp power control</li><li>• Closed Caption</li><li>• Wall Screen (Beige/Blue/Green/Pink/Black Board/Whiteboard)</li><li>• Top Access Lamp</li><li>• Power consumption for Standby: Less than 1W</li><li>• Audio mix for Microphone input</li></ul>
<b>Hand Remote unit</b>	Projector Fully Control
<b>Dimension</b>	12.6" x 4.2" x 9.3" (WxHxD)
<b>Weight</b>	7.3lbs
<b>Power requirements</b>	AC 100 - 240 V, 50/60Hz
<b>Fan Noise</b>	33 dBA (Normal mode), 28dBA (Low Mode)
<b>Package Dimension</b>	390 x 320 x 240mm (W xHx D) (TBD)
<b>Warranty</b>	3-years parts & labor, 3-years ERA
<b>Lamp Warranty</b>	1-year or 500 hours (whichever comes first)
<b>Supplied Accessories</b>	Soft carrying bag x1 Remote control x1(With 2 batteries) Power cable x1 VGA(D-sub) cable x1 User-Manual x1(CD-ROM) Safety Manual and Quick Start Guide Lens Cap

Subject to change without notice

## MULTIMEDIA DATA/VIDEO PROJECTORS

### The More You Use It... The Clearer the Difference

The ideal assistant for educational environments



**NEW** Excellent cost-performance and easy to use

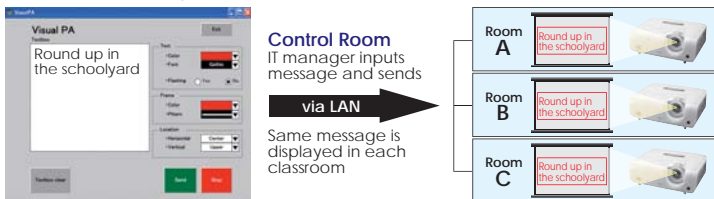
# XD280U/XD250U



### 5 Easy-to-manage Features

#### Simultaneous Message Display → Visual PA

Using a control room computer equipped with projector-control software, administrators can create and send messages (up to 350 characters long) in real-time to projectors connected to the LAN. Ideal for broadcasting important information to multiple rooms on the LAN.



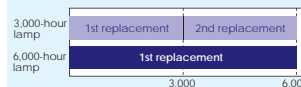
#### All-in-one Management of Multiple Projectors → ProjectorView Global+

After installing ProjectorView Global+ (separately available software), the status of multiple projectors connected to a dedicated LAN in the same network can be viewed. Remote operation of the power switch (ON/OFF), image input switch and other remote functions are now possible.

#### Low Operating Cost → Standby Mode under 1W\*1, 6,000hr\*2 Long-life Lamp, filter-free

Low operating cost is realized by integrating energy saving technology into every function. Maintenance cost and frequency have been reduced as well.

#### Lamp Replacement Frequency\*3



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

(2): When used at the low lamp mode. Maximum estimated lamp life at 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. Use time may vary widely by the environment and conditions, and whether or not cleaning and other maintenance procedures are followed.

#### Simple Lamp Replacement → Top-loading Lamp

Whether it's sitting on a shelf or suspended from the ceiling, lamp replacement is simple and easy. With its convenient top access lamp design, there is never a need to move the whole projector.



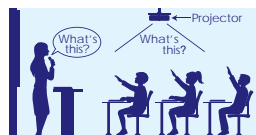
#### Enhanced Terminal group → HDMI, Dual PC Input

### 5 Easy-to-use Functions

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

The built-in high-volume 10W speaker eliminates the need for an external speaker. By using the "Audio Mix" feature and a wireless microphone (not included), the presenter's voice is amplified loud and clear every time.

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



#### Vastly Improved Operability → Quick Menu

For improved operation ease, the tool bar has seven main menus and one custom menu. Switching to the sub-menu allows the selection of more specific operations.



#### Quiet Fan Noise → Silent 28dBA Operation (in low mode)

With the quiet operating level of the XD280U/XD250U—presenters no longer need to compete with a loud fan for attention from the audience.

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

A closed caption decoder comes installed as standard equipment. Words spoken are processed into subtitles that are projected onto the screen. This feature conveniently addresses the needs of language students and hearing-impaired viewers.

#### Superior Color Performance → New BrilliantColor™ Adopted

Mitsubishi Electric's original built-in color wheel is incorporated for enhanced color reproduction. Clear, vivid images are reproduced from both computer and video signals.



**NEW**

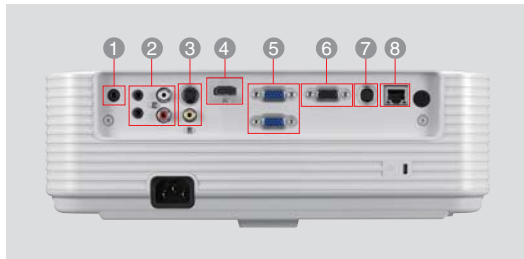


# XD280U XD250U

MOBILE XGA PROJECTOR

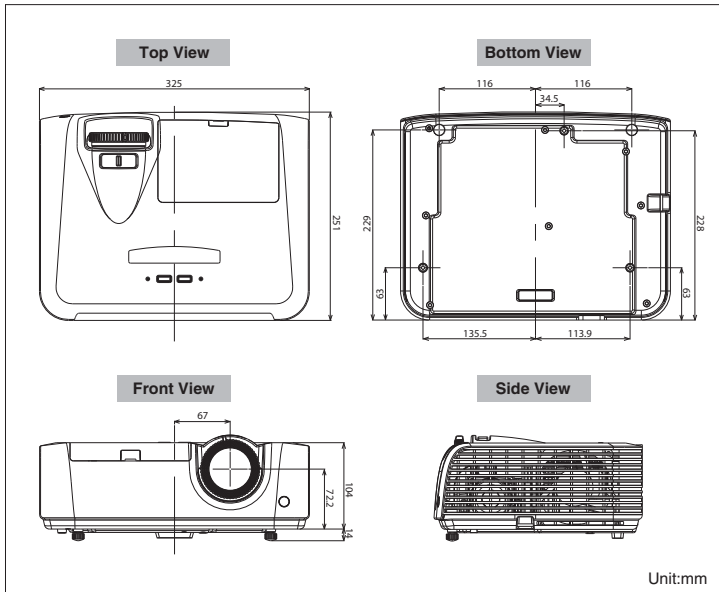
- Brilliant Color™
- Color Enhancer
- Wall Screen
- 10W Speaker
- User Logo Projection
- Password Lock
- Instant Shutdown
- Long-life Lamp
- Low Standby Power
- Top/Side Loading Lamp
- LAN (RJ-45)
- HDMI
- Closed Caption
- Low Fan Noise
- Picture Performance
- Presentation
- User Friendly

## Input and Output Terminals



- 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)

## Dimensions

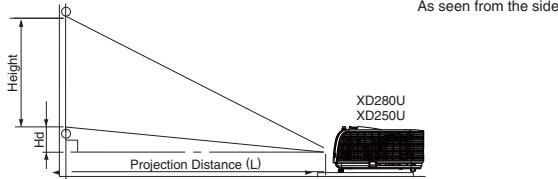


## Specifications

Model	XD280U	XD250U
Display Technology	0.55" 1-Chip DMD	
Resolution	1024 x 768 (Total 786,432 pixels)	
Brightness	3000lm	2700lm
Contrast Ratio	2000 : 1	
Projection lens	f=18.4 ~22.0 mm, F=2.5-2.8, (130"-157"@100")	
Offset axis	7.9:1	
Picture Size	40" - 300"	
Throw Ratio	1.6 - 2.0	
Source Lamp	190W (Shut-off Time 6000hr) with Low Mode, 230W (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    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 (variable)	
Communication Terminal	RS-232CL mini DIN 8pin x 1    LAN: RJ-45 x 1	
Audio Speaker	10W Mono	
Dimensions (W x H x D)	12.6" x 4.1" x 9.3" / 325 x 118 x 251 mm	
Weight	7.3lbs / 3.3kg	
Power Requirements	AC 100-240V, 50/60Hz	
Optional Lamp	VLT-XD280LP	
Optional Accessories	Ceiling mount (PROJ-UCM-PRO2), Hard shell case (DKT1-ATAC)	
Included Accessories	Soft carrying bag, Remote control (With 2 batteries), Power cable(1.8m), VGA(D-sub) cable(1.8m), User-Manual x1(CD-ROM), Safety manual, Lens Cap	
Warranty	3-Years of Parts/Labor, 3-Years of Express Replacement Assistance (ERA), 1-year or 500 hours lamp warranty (whichever comes first)	

\*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



Screen size chart (4:3 aspect ratio)

Diagonal Size	Screen		Distance from screen (L)				Height projected image (Hd)				
	Width (W)	Height (H)	Max. Zoom	Min. Zoom							
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm
40	102	32	81	24	61	51	1.3	62	1.6	3.6	9
60	152	48	122	36	91	77	2.0	94	2.4	5.4	14
80	203	64	163	48	122	103	2.6	125	3.2	7.2	18
100	254	80	203	60	152	129	3.3	157	4.0	9.0	23
150	381	120	305	90	229	195	4.9	236	6.0	13.4	34
200	508	160	406	120	305	260	6.6	315	8.0	17.9	45
250	635	200	508	150	381	326	8.3	394	10.0	22.4	57
300	762	240	610	180	457	391	9.9	-	-	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		Distance from screen (L)				Height projected image (Hd)				
	Width (W)	Height (H)	Max. Zoom	Min. Zoom							
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm
40	102	35	89	20	50	56	1.4	68	1.7	7.2	18
60	152	52	133	29	75	84	2.1	102	2.6	10.8	27
80	203	70	177	39	100	113	2.9	137	3.5	14.3	36
100	254	87	221	49	125	141	3.6	171	4.4	17.9	46
150	381	131	332	74	187	213	5.4	258	6.5	26.9	68
200	508	174	443	98	249	284	7.2	344	8.7	35.9	91
250	635	218	553	123	311	356	9.0	430	10.9	44.8	114
300	762	261	664	147	374	427	10.8	-	-	53.8	137

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

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