MITSUBISHI ELECTRIC
PRESENTATION PRODUCTS

Changes for the Better

PICTURE BY
DLP
TEXAS INSTRUMENTS

GET YOUR MESSAGE ACROSS WITH MORE CLARITY AND IMPACT
The projector for today's evolving classroom
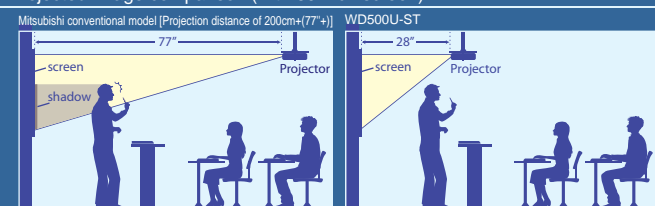
NEW

Ultra-short Throw WXGA

WD500U-ST

Functional Performance at its Best

▶ **Ultra-Short Throw Projection**

The issue of presenting in environments with limited projection space can be eliminated with the new WD500U-ST. This native WXGA projector is equipped with an ultra powerful short-throw lens that can project an amazing 60-inch diagonal image from a distance of just 28 inches from the screen. With such an amazing short projection distance, concern of casting a presenter's shadow in front of the screen is now eliminated.

Projected Image comparison (with 60-inch screen)

Mitsubishi conventional model [Projection distance of 200cm+(77"+)] | WD500U-ST

| 77" | screen | Projector | shadow | 28" | screen | Projector |

Due to extended longer 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 over the screen.

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.

▶ Native WXGA Resolution (1280x800)
▶ 2100 ANSI lumens
▶ 2500:1 Contrast ratio
▶ Optional Whiteboard and Blackboard modes
▶ Center lens design for easy symmetrical installations
▶ Splash screen and wall screen support
▶ DVI Connectivity

MITSUBISHI Changes for the Better

Splash screen

Easy Maintenance & Security Features

▶ Top-access lamp cover for easy lamp replacement
▶ Filter-free design
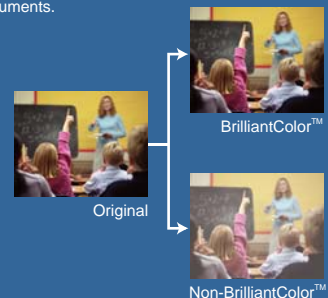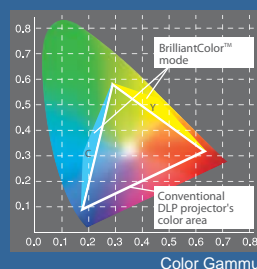▶ Enhanced security features with reinforced anti-theft security bar and password protection

Top Access Lamp Cover

BrilliantColor™ Technology and Mitsubishi Electric's Engineering Yields Superior Color Performance

BrilliantColor™ Technology is Texas Instruments latest innovation in producing amazing, rich, and vibrant colors. At Mitsubishi Electric, we developed a 6-segment color wheel that includes the colors of R,G,B,W,Y,C. Apart from the typical red, green, blue and white, we added yellow and cyan segments to display a wider color spectrum. In addition, we coded our color algorithms to emphasize brightness or color modes, designed to match the environment where the WD500U-ST is used.

Together with selective lamp powered modulation techniques, the WD500U-ST with BrilliantColor™ technology acts intelligently to boost colors to improve the intensity and vibrancy of an entire display. For instance, when projecting an already-bright screen image, the lamp is programmed to provide brighter, more vivid colors. In contrast, if the image shows genuine color reproduction, the algorithm delivers just the right colors with the appropriate radiance for maximum visual impact.
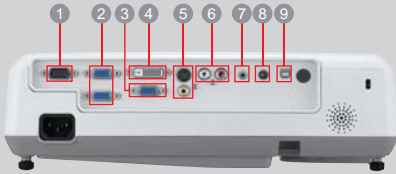
*BrilliantColor is a trademark of Texas Instruments.

BrilliantColor™ mode

Conventional DLP projector's color area

Color Gammut

Original

BrilliantColor™

Non-BrilliantColor™

Ultra-Short Throw WXGA
WD500U-ST

PICTURE BY
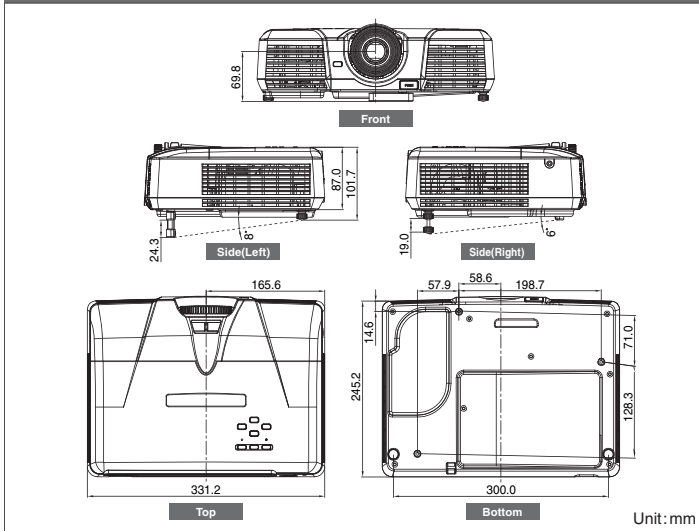**DLP**
TEXAS INSTRUMENTS

Input and Output Terminals

1. **Serial RS-232C**
2. **PC / Component Video input (mini D-sub 15pin)**
3. **PC / Component Video output**
4. **DVI-D (with HDCP)**
5. **S-Video / RCA**
6. **Audio input [RCA jack (L/R)]**
7. **Audio input (stereo mini jack)**
8. **Audio output**
9. **USB terminal for Page Up/Down**

Specifications

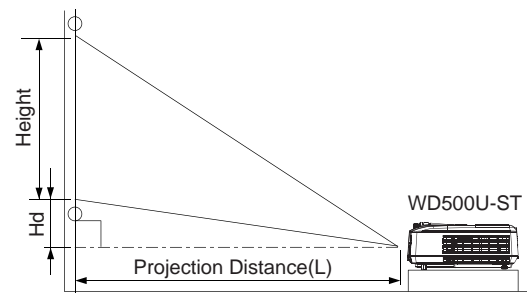|	
Model	WD500U-ST (Short throw)
Display technology	0.65"1-Chip DMD, 12 deg. LVDS, DDP2230
Resolution	1280 x 800 (total 1,024,000 pixels)
Color wheel	6 segment color wheel (R/G/B/W/Y/C)
Brightness	2100lm
Contrast ratio	2500:1 (on-off)
Projection lens	f=7.7mm, F=2.8
Offset axis	14.3 : -1
Throw ratio	0.59"
Picture size	40" ~ 300" (Wide)
Source lamp	180W (Shut Off Time 4000hrs) with Low Mode, 230W (Shut Off Time 2000hrs) with Standard Mode
Computer compatibility	640 x 480 ~ 1280 x 1024 (Compressed), 1280 x 800 (Native), includes WXGA, Sync on green available
Video compatibility	NTSC / NTSC4.43 / 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-sub15pin x 2, DVI: DVI-D (with HDCP), Video: RCA x 1 + S-video x 1 PC audio: stereo mini jack (ϕ3.5mm) x 1, RCA jack (L/R) x 1
Output terminals	RGB: mini D-sub15pin x 1, Audio: stereo mini jack (ϕ3.5mm) x 1
Communication terminals	RS-232C (D-sub 9pin) x 1,USB terminal for Page Up/Down x 1
Audio speaker	2W mono
Dimensions (W x H x D)	332 x 102 x 250 mm / 13.1 x 4.0 x 9.8 inch (excluding height adjustment)
Weight	3.4kg / 7.5lbs
Power supply	AC100-240V, 50/60Hz
Power consumption	330W / 3.3A
Fan noise	29dBA (Low mode), 35dBA (Standard mode)
Optional lamp	VLT-XD510LP
Warranty	3-Years Parts/Labor, 3-Years Express Replacement Assistance, 1-Year or 500 hours lamp warranty (whichever comes first)
Accessories	Adjustable Wall Mount (PROJ-WM), Ceiling Mount (PROJ-UCM-PRO2 - Universal Ceiling Mount), Hard Shell Rolling Case (DKT1-ATAC), Soft Carrying Case (XL1-SSCC), Soft Rolling Case (DKT1-SRCC)

* All brand names and product names are trademarks, registered trademarks or trade names of their respective holders.

Dimensions

69.8

Front

87.0
101.7
24.3
8°
Side(Left)

19.0
6°
Side(Right)

165.6
57.9 58.6 198.7
14.6
71.0
245.2
128.3
331.2
300.0
Top
Bottom

Unit:mm

Screen size and Projection distance

As seen from the side

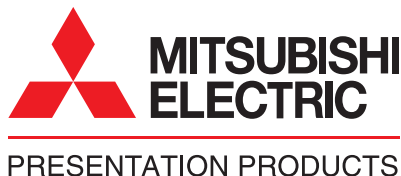Height
Hd
WD500U-ST
Projection Distance(L)

Screen size chart

Screen (16:10 aspect ratio)						Distance from screen (L)		Height projected image (Hd)	
Diagonal size		Width (W)		Height (H)					
inch	cm	inch	cm	inch	cm	inch	cm	inch	cm
40	102	34	86	21	54	18	0.5	1.6	4
60	152	51	129	32	81	28	0.7	2.4	6
80	203	68	172	42	108	37	0.9	3.2	8
100	254	85	215	53	135	47	1.2	4.0	10

* The above screen sizes are for projector installation with short-throw arm.
** The above numbers are approximate, and may be slightly different from the actual measurements