

**MULTIMEDIA DATA/VIDEO PROJECTORS**


# Unveiling Our Mobile WXGA Model

~ Wide-Screen Images in All Their Natural Glory ~

Brightness  
**2600lm**

Contrast  
**2000:1**

Long-life lamp  
**4000h**

**NEW**



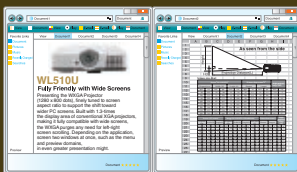
PORTABLE WXGA PROJECTOR

# WD510U



### Fully Friendly with Wide Screens

Presenting the WXGA Projector (1280 x 800 dots), finely tuned to screen aspect ratio to support the shift toward wider PC screens. Built with 1.3-times the display area of conventional XGA projectors, making it fully compatible with wide screens, the WXGA purges any need for left-right screen scrolling. Depending on the application, screen two windows at once, such as the menu and preview domains, in even greater presentation might. DVD images may also be replayed as-is, free of compression.



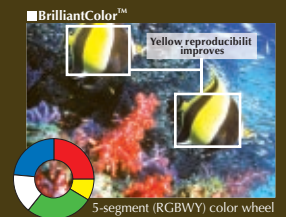
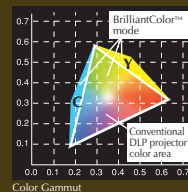
Display different windows side by side, banishing the idea of left-right scrolling.



Wide-screen broadcasts in all their natural glory.

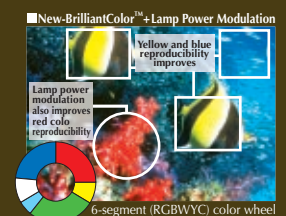
### BrilliantColor™ Technology and MitsubishiElectric's Engineering Yields Superior Color Performance

BrilliantColor™ Technology is Texas Instruments latest innovation in producing amazing rich and vibrant colors. At MitsubishiElectric, 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 WD510U is used. Together with selective lamp powered modulation techniques, the WD510U 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.



#### Lamp Power Modulation

Presentation Mode (stressing brightness)	Normal Mode (stressing color reproduction)
Light intensity increases for white and cyan segments on the color wheel, emphasizing bright colors in even more vivid tones.	Light intensity increases for the RGB segment on the color wheel, ensuring ample brightness while screening brilliant colors.
High Power	High Power
Normal Power	Normal Power
Low Power	Low Power
Lamp Power (Basic concept)	Lamp Power (Basic concept)

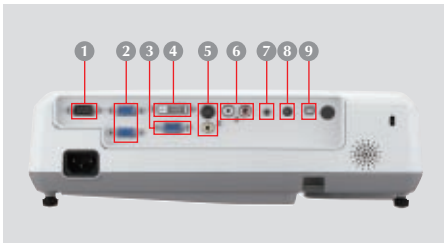




Mobile WXGA projector

# WD510U

## 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

## Outstanding Presentation Functions

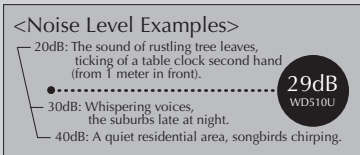
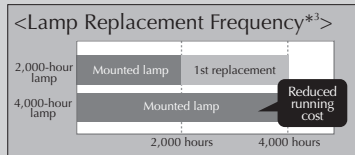
### Functional Performance at its best

- ▶ 2600 ANSI Lumens of outstanding brightness
- ▶ Super low noise operation at 29dBA\*1
- ▶ Center lens design for symmetrical installation
- ▶ Splash screen and wall screen support
- ▶ Discreet audio and video inputs for computers and video sources



### A Better Investment with a Lower Cost of Ownership

- ▶ Long-life lamp of 4,000hours\*2
- ▶ Top-access lamp cover for easy replacements
- ▶ Filter-free design
- ▶ Enhance security features with reinforced anchor bars and password protection
- ▶ Time-saving instant shut down feature



(\*1): When used at the low lamp mode. Maximum fan noise at standard mode use is 35dBA.  
 (\*2): When used at the low lamp mode. Maximum lamp life at standard mode use is 2,000 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.

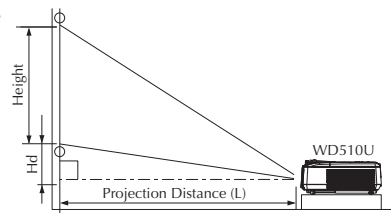
## Specifications

Model	WD510U
Display technology	0.65"1-Chip DMD
Resolution	1280 x 800 (total 1,024,000 pixels)
Brightness	2600lm
Contrast	2000:1
Picture size	40"~300"
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 True: 1280 x 800, 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) x 1, PC Audio : stereo mini jack (ø3.5mm) x 1, Video : RCA x 1 + S-video x 1, Video Audio : RCA jack (L/R) x 1
Output terminals	RGB : mini D-sub15pin x 1, Audio : stereo mini jack (ø3.5mm) x 1
Communication terminals	RS-232C (D-sub 9pin) x 1, USB terminal for Page Up/Down x 1
Audio speaker	2W mono
Fan noise	29dBA (at Low Mode)
Dimensions (WxHxD)	332 x 102 x 250mm / 13.1 x 4.0 x 9.8 inch (not included protrusion)
Weight	3.2kg / 7.0lbs
Power supply	AC100-240V, 50/60Hz
Optional lamp	VLT-XD510LP

\*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



### Screen size chart

Screen (16:10 WXGA)						Distance from screen (L)				Height projected image (Hd)	
Diagonal size	Width (W)		Height (H)		Shortest		Longest		Height projected image (Hd)		
inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm
40	102	34	86	21	54	42	1.1	51	1.3	1.9	5
60	152	51	129	32	81	64	1.6	78	2.0	2.9	7
80	203	68	172	42	108	86	2.2	105	2.7	3.9	10
100	254	85	215	53	135	108	2.7	131	3.3	4.8	12
150	381	127	323	79	202	163	4.1	198	5.0	7.2	18
200	508	170	431	106	269	218	5.5	264	6.7	9.6	24
250	635	212	538	132	337	273	6.9	331	8.4	12.0	31
300	762	254	646	159	404	328	8.3	-	-	14.5	37

Screen (4:3 screen)			Image (16:10 WXGA 1280x800dot)						Distance from screen (L)				Height projected image (Hd)						
Diagonal size	Width(W)		Height(H)		Diagonal size		Blank Space (D)		Shortest		Longest		Height projected image (Hd)						
inch	cm	inch	cm	inch	cm	inch	cm	inch	cm	inch	m	inch	m	inch	cm				
40	102	32	81	24	61	38	96	32	81	20	51	2.0	5	39	1.0	48	1.2	1.8	5
60	152	48	122	36	91	57	144	48	122	30	76	3.0	8	60	1.5	73	1.9	2.7	7
80	203	64	163	48	122	75	192	64	163	40	102	4.0	10	81	2.1	99	2.5	3.6	9
100	254	80	203	60	152	94	240	80	203	50	127	5.0	13	102	2.6	124	3.1	4.5	12
150	381	120	305	90	229	142	359	120	305	75	191	7.5	19	153	3.9	186	4.7	6.8	17
200	508	160	406	120	305	189	479	160	406	100	254	10.0	25	205	5.2	249	6.3	9.1	23
250	635	200	508	150	381	236	599	200	508	125	318	12.5	32	257	6.5	312	7.9	11.4	29
300	762	240	610	180	457	283	719	240	610	150	381	15.0	38	309	7.9	-	-	13.6	35

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

**MITSUBISHI ELECTRIC CORPORATION**  
 HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

To find out more about WD510U and our projectors, visit us at

[Global.MitsubishiElectric.com/projectors/](http://Global.MitsubishiElectric.com/projectors/)