

## Toshiba TLP-X200U Mobile Projector Specifications

Model	Toshiba TLP-X200U	
Display Technology	Shape	0.7" 3LCD
	No. of Pixels	786,432 (1024 x 768)
Projection Lens	Standard Lens	1.2x manual zoom/manual focus
	F-stop/ Focal Length	F = 1.6 - 1.76, f = 21.5 - 25.8mm
Aspect Ratio		4:3
Light Source		180W (136W in low mode)
Brightness		3000 ANSI lumens
Native Resolution		XGA 1024 x 768
Integrated Wireless Technology		IEEE 802.11 b/g (Windows Vista™ network compatible)
Color Reproduction		Full 16.7 Million Colors
Contrast Ratio		600:1
Projection Screen Size (Diagonal)		30" - 300"
Projection Distance		2.9 ft - 35.9 ft
Throw Ratio		1.48 - 1.77:1
Compatible Scanning Frequency	Horizontal (kHz)	15.63 - 106.25kHz
	Vertical (Hz)	50 - 85Hz
Input Terminal	RGB input 1	1 x D-sub 15-pin (shared as Component Video)
	RGB input 2	x 1 D-sub 15-pin (shared by switching from RGB output)
	Video	1x S-video; 1x RCA for Composite Video
	HDMI	x 1 HDMI (High-Definition Multimedia Interface)
	Audio	1x stereo mini-jack (multiple use for Computer 1 IN/2 IN, Video and S-video)
Input Signal Format	Video	NTSC, PAL, SECAM
	Color Difference	HDTV/DTV (480i/480p/576i/576p/720p/1080i/1080p)
Output Terminal	RGB	VGA, SVGA, XGA (native), WXGA/SXGA/UXGA (compressed)
	Audio	1x stereo mini-jack (variable output level)
Other Terminal	RS-232	1x RS-232 (D-sub 9-pin)
	RJ45	1 x RJ45
	USB	1 x USB
Picture Color Enhancer		Toshiba Natural Color Enhancer5 (NCE5)
Keystone Correction		Automatic Vertical +/- 45 degrees
Noise Level		32dB (28dB in low mode)
Internal Speaker		1.0W Monaural
External Dimensions (W x H x D)		11.5" x 2.8" x 7.6"
Weight		4.4 lbs.
Power Source		AC100-240V, 50/60Hz
Power Consumption		270W
Service Replacement Lamp		TLP-LW21
Lamp Life (Standard/Low)		Up to 2000 hours / 3000 hours
Special Features		Voice guidance
		Closed caption
		Multi-screen
		Blackboard function
		Wired LAN / Wireless LAN
		Windows® Vista network compatible
		PJLink for network control
		Auto setup for synchronizing computer input
		User logo personalization
		Security: password protection and panel lock
		Digital zoom (resizing)
		Quick power shut down
		Active monitor loop through
Warranty		Three-year limited warranty on parts and labor.
		One-year warranty on the lamp or 500 hours use, whichever comes first.
Box Contents		Mouse remote control with laser pointer (network mouse) Mouse remote control receiver Two size AAA batteries Power cord RGB cable CD-ROM User's Manual Soft Carrying Bag

*\*RoHS.* This projector is compatible with European Union Directive 2002/95/EC, Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS), which restricts use of lead, cadmium, mercury, hexavalent chromium, PBB, and PBDE. Toshiba requires its projector component suppliers to meet RoHS requirements and verifies its suppliers' commitment to meeting RoHS requirements by conducting component sampling inspections during the product design approval process.

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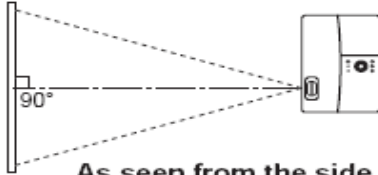
## Projection Distance and Size

Use the figures, tables, and formulas below to determine the projection size and projection distance. (Projection sizes are approximate values for full-size picture with no keystone adjustment.)

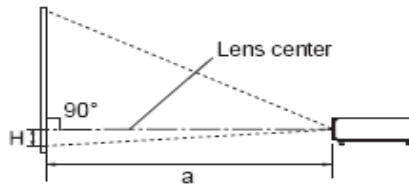
**TLP-X200**

Screen

**As seen from above**



**As seen from the side**



$$a \text{ (min length)} = \frac{\text{Projection size (inches)} - 0.890}{32.863}$$

$$a \text{ (max length)} = \frac{\text{Projection size (inches)} - 0.748}{27.363}$$

Projection size	Projection distance <b>a</b>		Height ( <b>H</b> )
	min length (zooming max)	max length (zooming min)	
30 inches	0.89 m (2.92 ft.)	1.07 m (3.51 ft.)	6.50 cm (0.21 ft.)
40 inches	1.19 m (3.90 ft.)	1.44 m (4.72 ft.)	8.70 cm (0.29 ft.)
50 inches	1.49 m (4.89 ft.)	1.80 m (5.91 ft.)	10.90 cm (0.36 ft.)
60 inches	1.80 m (5.91 ft.)	2.17 m (7.12 ft.)	13.10 cm (0.43 ft.)
70 inches	2.10 m (6.89 ft.)	2.53 m (8.30 ft.)	15.20 cm (0.50 ft.)
80 inches	2.41 m (7.91 ft.)	2.90 m (9.51 ft.)	17.40 cm (0.57 ft.)
90 inches	2.71 m (8.89 ft.)	3.26 m (10.70 ft.)	19.60 cm (0.64 ft.)
100 inches	3.02 m (9.91 ft.)	3.63 m (11.91 ft.)	21.80 cm (0.72 ft.)
120 inches	3.62 m (11.88 ft.)	4.36 m (14.30 ft.)	26.10 cm (0.86 ft.)
150 inches	4.54 m (14.90 ft.)	5.46 m (17.91 ft.)	32.70 cm (1.07 ft.)
200 inches	6.06 m (19.88 ft.)	7.28 m (23.88 ft.)	43.50 cm (1.43 ft.)
250 inches	7.58 m (24.87 ft.)	9.11 m (29.89 ft.)	54.40 cm (1.78 ft.)
300 inches	9.10 m (29.86 ft.)	10.94 m (35.89 ft.)	65.30 cm (2.14 ft.)

**a** is the distance (m, feet) between the lens and the screen, and corresponds to a range of 0.89 m (2.92 ft.) to 10.94 m (35.89 ft.). **H** is the height from the image bottom to the center of the lens.