

Toshiba TDP-T40U Mobile Projector Specifications

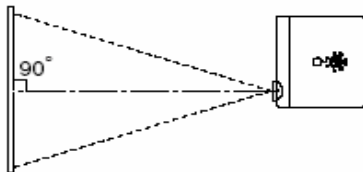
Model	TDP-T40U	
Display Technology	Shape No. of Pixels	0.55" DMD DLPTM 786,432 (1024 x 768)
Projection Lens	Standard Lens F/f (mm)	1.2x manual zoom/manual focus F = 2.0 - 2.2, f = 19.4 - 23.3mm
Light Source Brightness Native Resolution		180W (144W in low mode) 1800 ANSI lumens XGA (1024 x 768)
Color Reproduction Contrast Ratio Projection Screen Size (Diagonal) Projection Distance		Full 16.7 Million Colors 2000:1 30" - 300" 3.9 ft - 34.7 ft
Throw Ratio		1.69 - 2.05:1
Compatible Scanning Frequency	Horizontal (kHz) Vertical (Hz)	15 - 93kHz 50 - 85Hz
Input Terminals	Video Color Difference Audio RGB Audio RGB	1x RCA, 1x S-Video 1x mini D-sub 15, shared with RGB signal 2x RCA for Video, 2x RCA for S-video 1x stereo mini-jack 2x D-sub 15-pin
Input Signal Format	Video Color Difference RGB	NTSC, PAL, SECAM HDTV/DTV (480p/480i/720p/1080i), DVD VGA, SVGA, XGA (true), SXGA (compressed), UXGA (compressed), MAC
Output Terminals	Audio RGB	1x stereo mini-jack 1x D-sub 15-pin
Digital Keystone Correction Noise Level Internal Speaker PC Interface		Manual +/- 15° 37dBA (33dBA in low mode) 1.0W Monaural RS232C (mini DIN-8 pin)
External Dimensions (WxDxH) Weight Power Consumption Power Source		11.2" x 10.0" x 3.8" 6.6 lbs. 250W 100-240V, 50/60Hz
Replacement Lamp		TLP-LV5
Box Contents		Remote Control with Batteries IR Receiver Power Cord RGB Cable CD-ROM User's Manual Soft Carrying Bag

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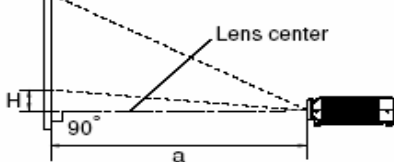
Projection Distance and Size

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.)

Screen **As seen from above**



As seen from the side



a is the distance (m) between the lens and the screen, and corresponds to a range of 1.20 m to 11.00 m. **H** is the height from the image bottom to the center of the lens.

$$a \text{ (min length)} = \frac{\text{projection size (inches)} - 1.1975}{28.263}$$

$$a \text{ (max length)} = \frac{\text{projection size (inches)} - 1.0446}{23.486}$$

projection size (inches)	projection distance a (m)		height (H) (cm)
	min length (zooming max)	max length (zooming min)	
29.2	—	1.20	5.5
35.1	1.20	1.45	6.6
40	1.37	1.66	7.3
60	2.08	2.51	11.0
80	2.79	3.36	14.6
100	3.50	4.21	18.3
150	5.26	6.34	27.4
200	7.03	8.47	36.6
250	8.80	10.60	45.7
300	10.57	—	54.9