

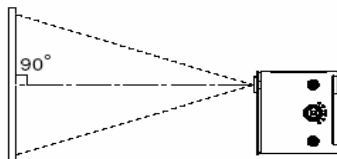
## Toshiba TDP-T90AU/T91AU/TW90AU Projector Specifications

Model		TDP-T90AU	TDP-T91AU	TDP-TW90AU
Display Technology	Shape No. of Pixels Standard Lens F/f (mm)	0.55" DMD DLP	0.55" DMD DLP	0.55" DMD DLP
Projection Lens		786,432 (1024 x 768)		
Light Source		1.2x manual zoom/manual focus		
Brightness		F = 2.4 - 2.65, f = 28.04 - 35.59mm		
Native Resolution		200W (160W in low mode) 2200 ANSI lumens XGA 1024 x 768		
Wireless Technology		N/A	N/A	IEEE 802.11b
Detachable Document Camera		N/A	Yes	N/A
Color Reproduction		Full 16.7 Million Colors		
Throw Ratio		2.0 - 2.4:1		
Contrast Ratio		2000:1		
Projection Screen Size (Diagonal)		24.6" - 246"		
Projection Distance		3.9 ft - 32.8 ft		
Compatible Scanning Frequency	Horizontal (kHz) Vertical (Hz)	15 - 93kHz 50 - 85Hz		
Input Terminals	Video Color Difference Audio RGB	1x RCA, 1x S-Video 1x mini D-sub 15, shared with RGB signal 1x stereo mini-jack, 2x RCA for Video, 2x RCA for S-video 2x RGB		
Input Signal Format	Video Color Difference RGB	NTSC, PAL, SECAM HDTV/DTV (480i/480p/1080i/720p), DVD VGA, SVGA, XGA, SXGA (compressed), UXGA (compressed), MAC		
Output Terminals	Audio RGB	1x stereo mini-jack 1x RGB		
Automatic Keystone Correction		Digital +/- 15°		
Noise Level		35dBA (32dBA in low mode)		
Internal Speaker		1.0W Monaural		
PC Interface		RS232C (mini DIN-8 pin), USB		
External Dimensions (WxDxH)		11.7" x 10.8" x 4.0"	15.1" x 10.8" x 4.0"	11.7" x 10.8" x 4.0"
Weight		6.2 lbs.	8.2 lbs.	6.4 lbs.
Power Source		100-240V, 50/60Hz		

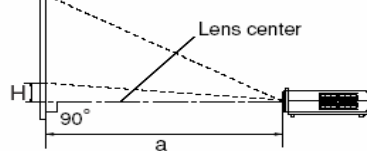
### Projection Distance and Size

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 10.00 m. **H** is the height from the image bottom to the center of the lens.

$$a \text{ (min length)} = \text{projection size (inches)} \times 4.064$$

$$a \text{ (max length)} = \text{projection size (inches)} \times 4.878$$

projection size (inches)	projection distance a (m)		height (H) (cm)
	min length (zooming max)	max length (zooming min)	
24.6	—	1.20	5.6
40	1.62	1.95	9.1
60	2.44	2.93	13.8
80	3.25	3.90	18.3
100	4.00	4.88	22.9
150	6.10	7.30	34.3
200	8.10	9.76	45.7
246	10.00	—	56.2

Box Contents	Remote Control, Power Cord, RGB Cable, CD-ROM, User's Manual, Soft Carrying Case  Document Camera Cable* (*supplied with TDP-T91U model only) Wireless PC LAN Card* (*supplied with TDP-TW90U model only)
<b>Document Camera</b>	<b>TDP-T91U</b>
Image pick-up device	1/4.2-inch Honeycomb CCD
Pixels	629,856 (648H x 486V x 2)
Camera Lens	F=2.8, f= 2.8mm, two-step manual focus for "Far" or "Near" viewing, camera gain