■ Specifications

	Model	TLP-X2000	TLP-XC2000	TLP-X2500	TLP-XC2500	TLP-X3000	TLP-XC3000
Device	Panel	0.61" LCD/D4.5, 1024x768 pixels		0.63" LCD/D5, 1024x768 pixels		0.7" LCD/D5, 1024x768 pixels	
Optical	Lens	Manual focus Manual zoom Zoom ratio x 1.2 f=18.6 - 22.3mm F=1.6 - 1.89		Manual focus Manual zoom Zoom ratio x 1.2 f=18.6 - 22.3mm F=1.6 - 1.89		Manual focus Manual zoom Zoom ratio x 1.2 f=26.5 - 31.5mm F=1.8 - 2.1	
	Lamp	180W/160W		200W/160W		220W/160W	
Projection Screen Size		40 ~ 300		40 ~ 300		40 ~ 300	
Projection Distance for 100" Screen		3.0m / 100inch (Wide)		2.9m / 100inch (Wide)		3.7m / 100inch (Wide)	
Lamp Life	Standard	2,000H		2,000H		2,000H	
	Low	3,000H		3,000H		3,000H	
Brightness (lm)	Commerical spec.	2000		2500		3000	
Contrast Ratio	typ(Engineering-spec.)	600:1		600:1		600:1	
Operation Noise	Standard	36dB		36dB		36dB	
	Low	33dB		33dB		33dB	
Input Terminal	RGB	x 1: D-sub15 Terminal		x 1: D-sub15 Terminal		x 1: D-sub15 Terminal	
	S-Video	x 1: S terminal		x 1: S terminal		x 1: S terminal	
	Composite Video	x 1: RCA terminal		x 1: RCA terminal		x 1: RCA terminal	
	RGB Audio	x 1: Stereo Mini jack		x 1: Stereo Mini jack		x 1: Stereo Mini jack	
	Video/S-Video Audio	x 1: RCA x 1 (L/R)		x 1: RCA x 1 (L/R)		x 1: RCA x 1 (L/R)	
Output Terminal	RGB	x 1: D-sub15 Terminal (shared with IN/OUT)		x 1: D-sub15 Terminal (shared with IN/OUT)		x 1: D-sub15 Terminal (shared with IN/OUT)	
	Audio	x 1: Stereo Mini jack (Variable output level)		x 1: Stereo Mini jack (Variable output level)		x 1: Stereo Mini jack (Variable output level)	
Other Terminal	RS-232C(Mini DIN 8pin)	Yes		Yes		Yes	
	USB	No		No		No	
Input Signal	Video	NTSC, PAL, SECAM		NTSC, PAL, SECAM		NTSC, PAL, SECAM	
	Color Difference	480i, 480p, 576i, 576p, 720p, 1080i		480i, 480p, 576i, 576p, 720p, 1080i		480i, 480p, 576i, 576p, 720p, 1080i	
	RGB	SVGA, XGA(True)/SXGA(Compressed), UXGA(Compressed)		VGA, SVGA, XGA(True)/ SXGA(Compressed), UXGA(Compressed)		VGA, SVGA, XGA(True)/ SXGA(Compressed), UXGA(Compressed)	
Picture Mode Keystone Correction Auto Set Speaker		3mode(RGB Input)/3mode(Video Input) Auto V (+−30 degree) Yes 1W(mono)		3mode(RGB Input)/3mode(Video Input) Auto V (+−30 degree) Yes 1W(mono)		3mode(RGB Input)/3mode(Video Input) Auto V (+−30 degree) Yes 1W(mono)	
Weight	kg	2.8kg	4.0kg	2.8kg	4.0kg	2.8kg	4.0kg
Size (W x H x D)	mm	288 x 247 x 82	371 x 249 x 86	288 x 247 x 82	371 x 249 x 86	288 x 247 x 82	371 x 249 x 86
	volume(L)	5.8	7.9	5.8	7.9	5.8	7.9
Power Consumption Power Source	W	280W		300W	300W	330W	330W
	V	100-240 (50/60Hz)		100-240 (50/60Hz)		100-240 (50/60Hz)	
Replacement Lamp		TLPLW11		TLPLW11		TLPLW12	
Compatible Scanning Frequency	Horizontal (kHZ)	15.63 – 106.25kHz		15.63 – 106.25kHz		15.63 – 106.25kHz	
	Vertical (Hz)	50 – 85Hz		50 – 85Hz		50 – 85Hz	
Camera		No	Yes	No	Yes	No	Yes
Laser Mouse		Yes		Yes		Yes	
Features	Auto V Keystone Instant Shutdown Password Function Black Board Function Panel Lock Digital Zoon User Logo NCE3 for LCD_PJ Detachable Control key-switch	Yes Yes Yes Yes Yes Yes Yes No Yes		Yes Yes Yes Yes Yes Yes Yes Yes Yes		Yes Yes Yes Yes Yes Yes Yes Yes Yes	
Accessories	Mouse remote controller (with laser pointer) IR receiver for mouse remote controller	Yes Yes		Yes Yes		Yes Yes	

Product design and specifications are subject to change without notice.
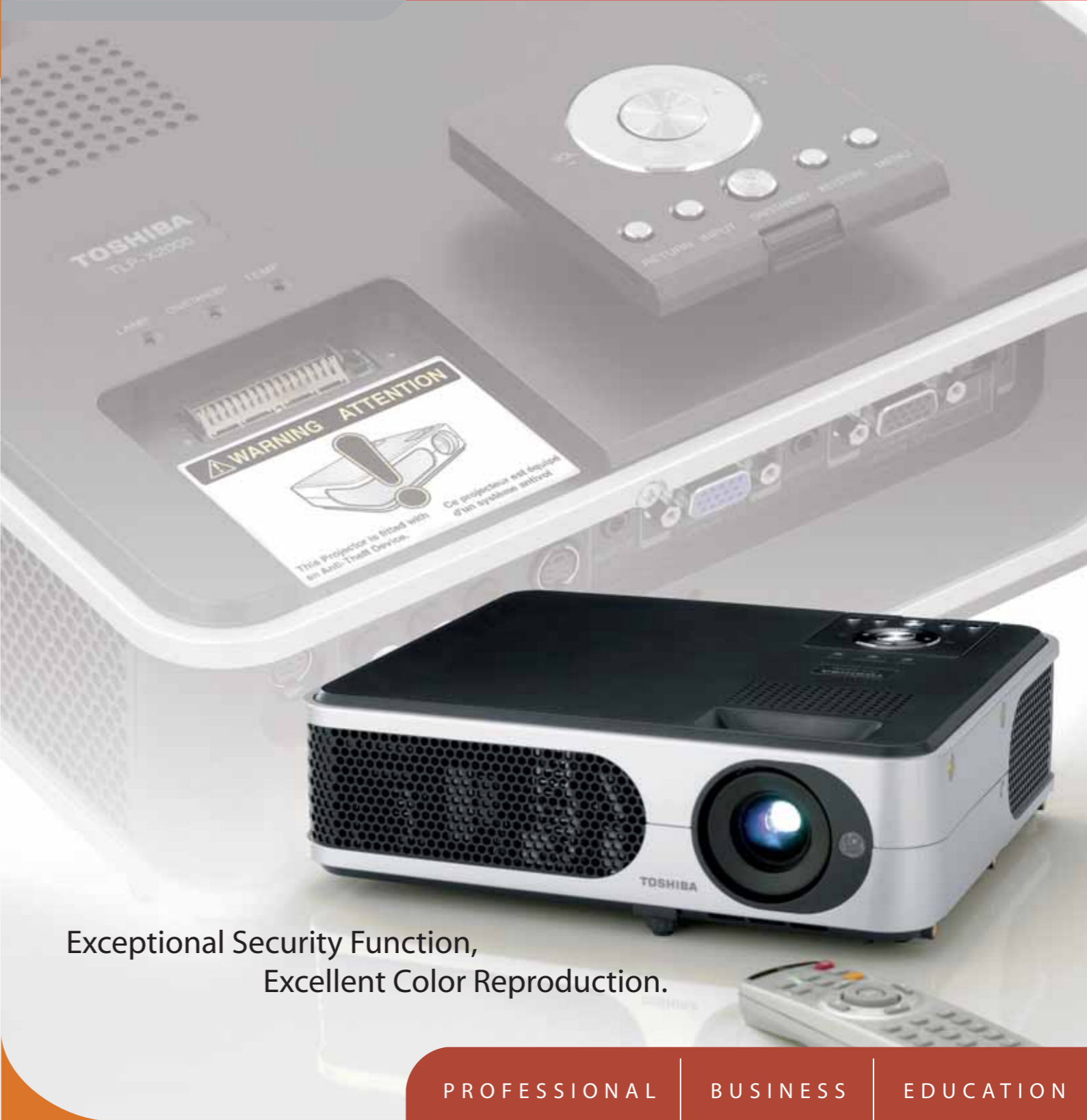
Exceptional Security Function,
Excellent Color Reproduction.

PROFESSIONAL   BUSINESS   EDUCATION

Security • High Image Quality • Quick & Easy Operation • 3 Mega Pixel Build-in Camera

TOSHIBA

Distributed by:

3LCD

TLP-X2000 / XC2000* • TLP-X2500 / XC2500* • TLP-X3000 / XC3000*

The Toshiba current X and XC series projectors come with a detachable security control panel which enable you to be in total control and command of the presentation. Plus, with a LCD projection mode and true-to-life colours, the Toshiba X and XC series are the ideal projector for every excellent presentation.

■ SECURITY

Detachable Control Panel with Password Function

Both X and XC series projectors feature a unique anti-theft device for extra security. The removable palm-sized control panel on the projector is specially designed with a 4-digit self-assigned password for theft prevention. Without the control panel, the projector requires 4 digital password to be entered using the remote control.

■ QUICK & EASY OPERATION

Quick Start

One-touch 5 second start up by using the remote control to allow hassle-free, professional presentations even in the most unforgiving environments.

Quick Shut Down

Instant 5 seconds power shut down capability that enables the projector to power off instantly once disconnected from the power outlet with no cool-down time required.

■ BUILT-IN CAMERA FEATURES:

The document camera combines high quality and innovative technology with unsurpassed functionality.

The XC series projector features an integrated, advanced CMOS (complementary metal oxide semiconductor) document camera with 3-mega pixel CMOS sensor, allowing users to present crisp and effective presentation in a jiffy, without having to set up additional equipment.

Users can simply extend the document camera, and position it almost anywhere to display additional materials as it has a flexible telescopic arm that can turn to 270-degree effortlessly.

With the advanced 3-mega pixel CMOS sensor, digital 400 percent zoom and focus LED light, the document camera enables users to spice up presentation by displaying photos, microscopic images, transparencies or even integral 3-D objects and documents.

* Camera

Camera	
Device	3 Mega Pixel CMOS (2048H x 1536V)
Lighting	LED
Effect Pixel	1024H x 768V(XGA)
Keys	50/60Hz, Light, Gain+, Gain-, W/B_LOCK, Camera_Direct
Mechanism	Arm type
White Balance	AUTO/LOCK
Flickerless	50Hz/60Hz Select
Camera Gain	+/- 16 step
Zoom	MAX400%

TLP-X2000 / TLP-XC2000*
XGA | 2000lm | Contrast Ratio 600:1

TLP-X2500 / TLP-XC2500*
XGA | 2500lm | Contrast Ratio 600:1

TLP-X3000 / TLP-XC3000*
XGA | 3000lm | Contrast Ratio 600:1

■ HIGH IMAGE QUALITY

3 LCD Technology

The Toshiba current X and XC series projectors have incorporated 3 LCD technology to realize life-like and vibrant presentation. Essentially, the technology uses three LCDs to crisply reproduce bright, natural images that are easy on the eyes.
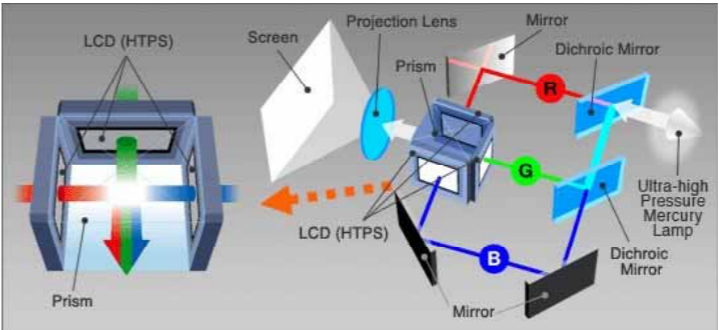
The 3 main benefits of 3 LCD technology include:

- Since 3LCD technology is designed to project bright, clear and vivid images, such high light efficiency means the projector generates less heat and costs less to run.

- 3LCD projector color reproduction range is wide, and primary colors are faithfully reproduced. Superior gray scale in dark areas enables more natural gradation.

- Each of the primary colors are reproduced using dedicated LCDs. 3LCD projectors show continuous images that do not suffer from color breakup.

Color Enhancer 3 (NCE3) for LCD

The TLP X2500/3000 and XC2500/3000 series projectors are built with Natural Color Enhancer (NCE3), the latest Toshiba's propietary technology developed for LCD projectors. It is a color correction circuitry that enhances the screen color to ensure projected image to look natural, vivid and sharp.

Conventional LCD projector   Toshiba NCE3

Light   Dark
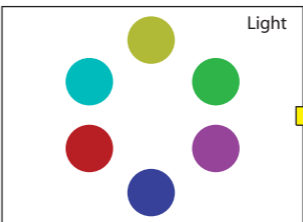
When background turn dark, color of circles becomes dark as well because of color reproducing characteristic of LCD panel.
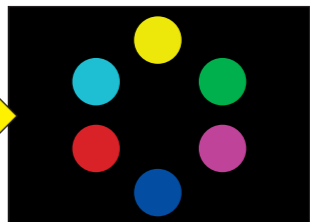
NCE3 enhances the black of dark background and brightens color of the circles.

■ OTHERS

Blackboard Mode

When images are projected onto a blackboard or colored wall (green/black/brown/blue/beige), the image color can be selected to provide better color.

Extensive Connectivity Options

The projector is equipped with many types of terminals - including D-sub, Video, S-Video, and DVI-I terminals and five BNC connectors - for connection to many devices.

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
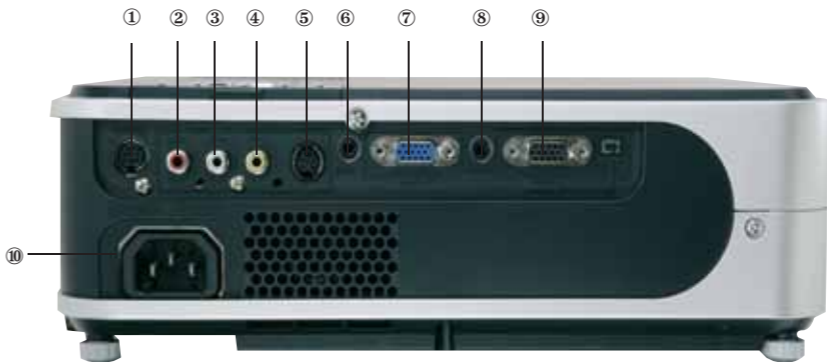
1. Control
2. Audio R
3. Audio L
4. Video
5. S Video
6. Audio
7. Computer 1 in (Y/PB/PR1)
8. Audio out
9. Computer 2 in (Y/PB/PR2)/monitor 2
10. AC in