

t90 series

TOSHIBA



DLP™ technology is a revolutionary projection solution that uses an optical semiconductor to manipulate light wherever visual excellence is in demand.

It is the only display solution that enables home and business projectors to create an entirely digital connection between a graphic or video source and the screen in front of you. The result, maximum fidelity - a picture whose clarity, brilliance and colour must be seen to be believed

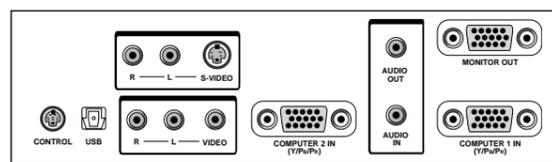
Colour Accuracy Technology

Toshiba has developed a unique 'Y' Gamma colour correction technology enabling accurate colour reproduction when projecting data and video signals.

Projection Distance

DISTANCE SCREEN SIZE	Projection Distance							
	Diagonal (inches)	40"	60"	80"	100"	150"	200"	250"
Horizontal (m)	0.81	1.22	1.63	2.03	3.05	4.06	5.08	
Vertical (m)	0.61	0.91	1.22	1.52	2.29	3.05	3.81	
Minimum (metres)	1.62	2.44	3.25	4.00	6.10	8.10	10.00	
Maximum (metres)	1.95	2.93	3.90	4.88	7.30	9.76		

Connections



Model		T90 / TW90	T91	
Display	Display Type	DLP		
	Shape	Aspect Ratio	4:3 (16:9 Switchable)	
		Size	0.7" XGA panel x 1	
	Number Of Pixels	786,432 pixels (1,024 x 768)		
	Drive Method	DDR 12 degree (DDP2000)		
	Contrast Ratio	2000:1		
	Resolution	Real XGA		
	Upgraded Video Processing	DDP2000 Scalar / De-Interlacer		
	Brightness (ANSI)	2000 lm		
	Image	Lamp	200W / 160W (Eco) - TLPLW3	
Service Life of Lamp **		2000h / 3000h (Eco mode)		
Colour Reproduction		16.7 Million Colours		
Colour Wheel (DLP)		Segments (Qty)	RGBW 4 Segment	
		Speed	2X	
Projection distance (m)		1.2 - 10.0m (3.9ft - 32.8ft)		
Picture Size (Diagonal)		0.62 - 6.25m (24.6 - 246")		
Projection Method		Front, Rear, or Ceiling		
Keystone Correction		Vertical	Digital +/-15 degrees	
		Horizontal	None	
Lens	Optical zoom and Focus Methods	Manual Zoom & Focus		
	"F" Value Aperture	F = 2.4 - 2.65		
	"f" Value Focal length (mm)	f = 28 - 35.6mm		
	Zoom Ratio	1.2 x		
	Throw Ratio	2.0 - 2.4:1		
Signal	Compatible Frequency	Horizontal (KHz)	15 - 93kHz	
		Vertical (Hz)	50 - 85Hz	
	Input Signals	Video Signal	NTSC / PAL / SECAM	
		Colour Difference	480i/480p/576i/576p/1080i/720p	
		RGB Real Display	VGA / SVGA / XGA	
RGB Compressed	SXGA / UXGA			
Terminals	Input	Video Signal	1x RCA, 1x S-Video, Component Video (via D-Sub 15)	
		Computer Signal	2x RGB, WiFi (TW90)	
		Audio Signal	1 x Stereo Mini Jack, 2 x RCA	
		Control and Other	USB, RS232C (mini DIN8 pin)	
Output	1 x RGB, 1x Stereo Mini Jack			
General	Operating Noise	35dB (32dB Eco)		
	Embedded Speaker	1W Mono		
	Weight (kg)	2.8kg	3.7kg	
	Dimensions W x D x H	298 x 275 x 101	383 x 275 x 101	
		Power source	AC100-240V, 50 / 60Hz	
	Power Consumption (W)	300W		
	Security	Kensington Slot		
	Warranty	Projector	3 Year RTB	
		Lamp	90 Days	
	Document Camera Arm	Type	T91 - Type 2 Detachable	
Image Element		1/4.2 type honeycomb CCD		
Effective Pixels		629,856 (648H x 486V x2)		
Focusing		Switching in two steps		
Lens	F = 2.8, F = 2.8mm			

** Actual lamp life may vary based on ambient environment



Box Contents

Operating manual & CD-ROM, 3m RGB lead, Power cable, Remote control with remote mouse functionality, Batteries, Carry case, WiFi PC Card (TW90), 0.2m RGB Camera connection lead (T91)

Key Features

T91 Detachable document camera, TW90 - Integrated WiFi, 80211.b, Integrated Scalar / De-interlacer, Colour Accuracy Technology, Dual PC inputs, Monitor Re-Drive (Active Loop), Audio In and Out, One Button Auto-Setup, Eco Mode, Ideal for both Video and Data, Auto Input search

TOSHIBA

TOSHIBA INFORMATION SYSTEMS (U.K.) LTD.
Projection and Display Technology
Toshiba Court, Weybridge Business Park,
Addlestone Road, Weybridge, Surrey KT15 2UL

www.toshiba.co.uk/projectors

E&OE - Product design and specification subject to change or modification without notice
*DLP is a registered trademark of Texas Instruments

t90 series

MAKING LIGHT WORK

the right impression - the new t90 series from Toshiba

Besides its stylish and attractive appeal Toshiba's new XGA trilogy delivers a powerful performance providing ideal solutions for education, SME, recreation, or any meeting room. In addition to the well specified t90 projector is the option to choose two further models, the t91 with detachable document camera and the tw90 with Wireless LAN connectivity.

Optimum image quality is the key for any presentation but many times unforeseen obstacles will hinder you from achieving this. What are the lighting conditions like? Will there be enough throw distance for a decent size image? What about multiple input requirements? The t90 series copes easily with varying environments leaving the guess work behind.

At 2000 ANSI Lumens and with an incredible 2000:1 contrast ratio, the DLP* powered t90 ensures that images are bright and vibrant even in challenging lighting conditions.

The series features TrueVision™, an integrated video scalar / de-Interlacer, and Toshiba's Colour Accuracy Technology guaranteeing you a presentation solution that really delivers on both data and moving images.

A wealth of connections are at your disposal including dual PC and audio inputs, monitor and audio outputs, as well as S-Video and Composite video inputs. Operation is simple thanks to the auto set button adjusting image set up and keystone correction with a single touch. Even the menu is designed for ease of use with intuitive icon-driven on-screen displays.

The t90, the next generation of digital projection.

the t91 with detachable document camera

If you like the idea of the t90 projector then why not take your presentations to the next level with Toshiba's unique detachable document camera solution, the t91?

The t91 projector is identical to the t90 sister product but includes a fully detachable type II document camera, cradle (mounted on the side of the projector) and an RGB connection cable.

The document camera can be used in a number of ways, even up to an incredible 30 feet from the projector. Leave attached to the side and you have a fully functional digital overhead projector, enabling slides or notes to be displayed effortlessly. Detach the camera and the options are endless. For example use it as a "magnifying glass" for Show and Tell school sessions, or take your audience on a birds eye view trip of the new 3D prototype. The flexible image and all-round lighting will amaze, and the new zoom functionality will enlarge even the tiniest objects for crystal-clear examination.

At an additional 0.9 kg, the document camera makes mobile presentations child's play and guarantees faithful colour reproduction thanks to its 629,856-pixel honeycomb resolution.

The t91, adding a 3rd dimension to your projection options.

wireless

With the majority of Pocket PC's and laptops now having wireless capabilities as standard, isn't it time your projector followed suite?

Wireless projection technology adds a new dimension to any environment. For instance it allows you the freedom to interact anywhere with the audience whilst delivering real time presentations. At a board meeting multiple PC's can link to the projector without the need for cables. Ceiling mounting a wireless projector also provides an easy connection solution.

The Toshiba dual band tw90 supports both 802.11b and 802.11g standards with fully integrated 128bit WEP security encryption. The high bandwidth performance of up to 54mb/s allows seamless presentations with no time lag.

Using an integrated wireless LAN PC Card means that none of the other connectors are obstructed and users can swap between all inputs at the touch of a button. In fact with the tw90 you can even save your presentation on a PC Card memory device, slot it into the projector and present your slides directly.

The tw90 comes complete with the wireless PC Card and the user friendly software will have you connected in 3 easy steps.

Experience a new presentation freedom with Toshiba's flexible wireless projection technology.



step 1
Open the
wireless utility



step 2
Select the
projector



step 3
Click GO

