

Maximum Brightness and Flexibility  
for the Largest Rooms

## Toshiba TLP-790U/791U Series Projectors with Integrated Document Camera

Human Resources wants to train entire departments in one sitting. R&D wants to conduct working meetings, display models, and make handwritten changes to schematics on the fly. Your sales reps want to control their presentations from their laptops – except when they want to control their laptops from their presentations.

Marketing wants to incorporate video into their presentations. And your Executive V.P. has just been invited to give the keynote address at your industry's most important conference.

**Only one projector has the brightness, clarity, flexibility, and portability to meet all these needs: the Toshiba TLP-790U/791U Series.**

- **At 3,000 ANSI lumens**, and with XGA 1024 x 768 resolution, the Toshiba TLP-790U/791U Series can deliver bright, sharp images, vibrant colors, and clarity that can impact an audience of hundreds.
- **Present distortion-free images on any size screen, in any room size.** Unlike other projectors in its class, the TLP-790U/791U Series offers vertical and horizontal digital keystone correction. So even on the largest screens, your audiences will notice your message, not distortion.

### **Outstanding Value:**

- **Integrated document camera with the TLP-791U model**
- **Two-way digital keystone correction**
- **Lightest weight – only the TLP-790U/791U Series delivers 3,000 ANSI lumens, integrated camera and multimedia features**

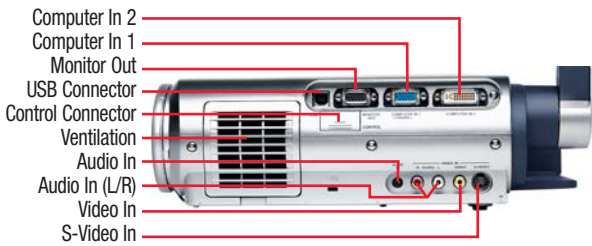


- **The TLP-791U comes with integrated document camera for maximum projection capabilities.** Just lift up the arm, swing the camera in place, and project documents, notes you make on the fly, and even three-dimensional objects. Presenters can enrich multi-media presentations with fine-print text, photographic images, and more.
- **Impressive multimedia features.** The TLP-790U/791U Series has the built-in connections to handle the most innovative presentations and please the most demanding speakers.
  - Monitor output connector allows you to add an external monitor for a second simultaneous video display – highly effective in classrooms and training sessions.
  - Integrated data, video, and audio capabilities provide the flexibility to present from a wide range of media, from a Toshiba notebook computer to digital video. And because the connectors for each medium are built in, you never have to fumble with, or carry, converters or expansion modules.
  - Picture-in-picture functionality is excellent for presenting details, customizing presentations for different audiences, and displaying multimedia in an eye-catching way.

### **Handsome, professional styling and light weight**

- Sleek metallic casing looks great in any conference room or auditorium, whether it's on a cart, on a table, or mounted on the ceiling.
- The Toshiba TLP-790U/791U Series boasts the lightest weight of any leading 3,000-lumens projector. That means your power presenters can maintain control over presentation quality with the best projector for the job, even when they're on the road.

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**Determine the screen size projected on the screen.**  
 The projection size depends on the distance between the lens and the screen. Adjust the projection size by changing the distances as shown below.

$a \text{ (min.)} = \frac{\text{Projection size} - 1.7382}{23.377}$   
 $a \text{ (max.)} = \frac{\text{Projection size} - 1.3766}{23.266}$

$b = \text{Projection size (cm)} \times 0.072$

The values are approximations.

Projection size (inches)	a (m)		b (cm)
	Minimum (At maximum zoom)	Maximum (At minimum zoom)	
32 (81)	-	1.30	5.8
40 (102)	1.30	1.66	7.3
60 (152)	1.98	2.52	11.0
80 (203)	2.66	3.38	14.6
100 (254)	3.34	4.24	18.3
150 (381)	5.05	6.39	27.4
200 (508)	6.75	8.54	36.5
300 (762)	10.15	-	54.9

a: Distance between the lens and the screen (m)  
 b: Distance between the lens height and the bottom of projection area (cm)

## Specifications

Model		TLP-790U	TLP-791U
<b>Display Technology</b>	Shape	1" LCD with MLA x 3	
	No. of Pixels	786,432 (1,024 x 768)	
<b>Projection Lens</b>	Standard Lens	1.25x manual zoom/manual focus	
	F/f (mm)	F1.7 - 2.1, f = 33.6 -42mm	
<b>Light Source</b>		250W	
<b>Brightness</b>		3000 ANSI lumens	
<b>Native Resolution</b>		XGA 1,024 x 768	
<b>Color Reproduction</b>		Full 16.7 Million Colors	
<b>Contrast Ratio</b>		400:1	
<b>Projection Screen Size (diagonal)</b>		32 - 300 inches	
<b>Projection Distance</b>		4.3 - 33.5 ft.	
<b>Throw Ratio</b>		1.7 - 2.2	
<b>Compatible Scanning Frequency</b>	Horizontal (kHz)	15-93kHz	
	Vertical (Hz)	50-85Hz	
<b>Video Input Terminals</b>	Video Signal	2 channels (RCA x 1, S-Video x 1)	
	Color Diference Signal	1 channel (mini D-sub 15 pin x 1, shared with RGB signals)	
<b>RGB Input Terminals</b>	Analog	2 channels (D-sub 15 pin x 1, DVI x 1)	
	Digital	1 channel (DVI x 1)	
<b>Audio Input Terminal</b>		1 channel (RCA x 2 L/R), stereo mini-jack x 1	
<b>Input Signal Formats</b>	Video Signal	NTSC, PAL, SECAM	
	Color Diference Signal	HDTV & DTV (720p/1080i/480p/480i), DVD	
	RGB Signal	VGA, SVGA, XGA, SXGA(compressed), UXGA (compressed)	
<b>Output Terminals</b>	RGB Signal	1 channel (D-sub 15 pin x 1)	
<b>Automatic Keystone Correction</b>	Vertical Keystone	Digital +/- 15°	
	Horizontal Keystone	Digital +/- 10°	
<b>Noise Level</b>		38dBA	
<b>Internal Speaker</b>		1.0W Monaural	
<b>PC Interface</b>		RS232 (mini DIN-8 pin), USB	
<b>Digital Zoom</b>	Computer Video (RBG)	Up to 10X	
	Component Video	Up to 3X	
<b>External Dimensions (W x D x H)</b>		13.3" x 10.0" x 3.9"	13.3" x 12.7" x 3.9"
<b>Weight (lbs)</b>		9.2	11
<b>Power Consumption</b>		340W	
<b>Power Source</b>		AC100-240V, 50/60Hz	
<b>Document Camera (TLP-791U)</b>	Image Pick-Up Device	1/2-inch CCD 1,447,680 pixels (1392 x 1040 dots)	
	Resolution	650 TV lines or more (horizontal resolution)	
	Camera Lens	F 3.1, f=6.4mm, manual focus, overlay, white-balancing, and gain function	
<b>Box Contents</b>		Remote Control with Laser Pointer, Power Cord, RBG Cable, DVI Cable, Audio Cable for Computer, Audio Visual Cable, Control Cable, USB Cable, Quick Reference, CD-ROM, Owner's Manual, Soft Carry Case	
<b>Standard Limited Warranty</b>		2-year on parts and labor including 90-day lamp warranty	

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