

# TX785 – Installation Projector

## Many Different Demands, One Projection Solution

The Optoma TX785 provides power and flexibility to meet the demanding requirements of large-venue installations. 5000 ANSI lumens and the latest in image and color enhancement technologies ensure outstanding performance. Standard, long and short throw lens options, optimized with ED-glass lens elements, create exemplary picture quality at a wide range of projection distances. Extensive vertical and horizontal lens shift increases the possible installation options even further. With its wide array of inputs and management options, the TX785 is the ideal solution for your large-venue projection needs.

\* 3D content can be viewed with active LCD shutter glasses when the projector is connected to a computer with a compatible 3D graphics card. Please visit [www.optoma.com](http://www.optoma.com) for more information.



## Features

- With 5000 ANSI lumens of brightness, project bright, clear images that can be viewed easily by audiences seated in large venues such as auditoriums and lecture halls
- Flexible projector placement – Extensive vertical and horizontal lens shift
- Three lens choices with easy-to-change bayonet mounts create a wide range of projector distance and image size options
- Remote monitoring and control capabilities over a LAN network via integrated RJ45 – connection compatible with Crestron RoomView™
- Complete security features limit changes to projector settings and lock out unauthorized users

## Specifications

**Display Technology**  
Single 0.7" DarkChip3 DLP  
Technology by Texas Instruments

**Resolution**  
Native XGA (1024 x 768)

**Maximum Resolution**  
UXGA (1600 x 1200)

**Brightness (Typical)**  
5000 ANSI Lumens

**Contrast Ratio**  
2000:1 (Full On/Full Off)

**Lamp Life\*\* and Type**  
3000/2000 Hours (STD/Bright)  
330W P-VIP

**Aspect Ratio**  
4:3 Native, 16:9 Compatible

**Lens Shift**  
Vertical -15% to +50% Image Height  
Horizontal ±10% Image Width

**Horizontal Scan Rate**  
15 to 91 kHz

**Vertical Scan Rate**  
43 to 87 kHz

**Keystone Correction**  
±30° Vertical

**Security**  
Kensington® Lock, Security Bar and Keypad Lock

**Uniformity**  
85%

**Displayable Colors**  
1.07 Billion

\*Projector ships lensless. Lenses are sold separately.

\*\*Lamp life is dependent upon many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

**Audio**  
Two 3-Watt Speakers

**User Controls**  
Complete On-Screen Menu  
Adjustments in 23 Languages

**Remote Control**  
Fully Featured IR Remote with Mouse and Laser Pointer

**Computer Compatibility**  
UXGA, SXGA+, WXGA, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible

**Video Compatibility**  
NTSC, PAL, SECAM, SDTV (480i/576i), EDTV (480p/576p, HDTV (720p, 1080i/p)

**3D Compatibility**  
120Hz Frame Sequential 3D for Resolutions Up to 720p, 60Hz Field Sequential 3D for Resolutions Up to 480i

**Monitor Loop Through**  
D-sub 15-pin VGA Output (Functional in Both Normal and 5W Standby Modes)

**Projection Method**  
Front, Rear, Ceiling Mount, Table Top

**Closed Captioning**  
Enabled via On-Screen Menu

**Noise Level (STD)**  
31dB

**I/O Connection Ports**  
HDMI, DVI-D w/ HDCP, Two VGA-In, VGA-Out, S-Video, Composite Video, Component Video, Five BNC (RGBHV/YPbPr), Three Stereo Mini Jack Audio-In, Two RCA Stereo Audio-In, Audio -Out, USB, RS-232, RJ45, and Two 12V Triggers

**Weight**  
18.1 lbs (8.2 kg) w/o Lens

**Dimensions (W x D x H)**  
16.9" x 13.4" x 7.1"  
(430 x 340 x 181mm)

**Operating Temperature**  
41 to 104°F (5 to 40°C), 85% Max Humidity, Adjustable Fan Speed for High Altitude Application

**Power Consumption**  
430 Watts Max (Bright), 390 Watts (STD), <1 Watt (Standby)

**Power Supply**  
AC Input 100-240V, 50-60Hz, Auto-Switching

**Standard Accessories**  
AC Power Cord, VGA to VGA Cable, USB Cable, Remote Control, Batteries for Remote, CD-ROM User's Manual, Quick Start Card and Warranty Card

**Optional Accessories**  
Lens Throw Options, Wireless Dongle, Ceiling Mount, S-Video Cable, Audio-Out Adapter, HDMI Cable, DVI Cable, Panoview™ Series Screens

**Warranty**  
3 Years Optoma Express Replacement Service, 1 Year on Lamp

**UPC**  
796435 41 145 9

**Accessory Part Numbers**  
Lamp: BL-FP330B  
Remote: BR-5032L  
Mount: BM-5001U  
Wireless Dongle: BI-EXTGB



### Lens Throw Options\* (PureOptics)

	Standard Throw Lens	Long Throw Lens	Short Throw Lens
Throw Ratio (Distance/Width)	1.60 to 2.00:1	2.00 to 3.00:1	0.80:1
Recommended Projection Distance	4.9' to 23.0' (1.5 to 7m)	6.6' to 65.6' (2 to 20m)	1.6' to 9.8' (0.5 to 3m)
Recommended Image Size (Diagonal)	36.8" to 216" (0.93 to 5.49m)	33.0" to 492" (0.84 to 12.5m)	30.0" to 184" (0.76 to 4.67m)
Projection Lenses	F=2.46-2.56, f=22.8-28.5 mm, 1.25x Manual Zoom and Focus	F=2.5-3.1, f=28.5-42.75 mm, 1.5x Manual Zoom and Focus	F=2.5, f=11.5 mm, Manual Focus
Weight with Projector	18.9 lbs (8.6 kg)	18.9 lbs (8.6 kg)	19.1 lbs (8.7 kg)
Part Number	BX-DL200	BX-DL300	BX-DL080