

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 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