

## TWR1693 – Multimedia Projector

### Widescreen Match, Set and Project

The TWR1693 from Optoma is a native WXGA digital projector with a DLP® chipset and color processing technologies from Texas Instruments. An ideal match for widescreen PCs with native pixel matching, the Optoma TWR1693 comes complete with a variety of connectivity options and network management solution. The TWR1693 is sturdy and bright for conference room settings, and light enough to be carried around for on-the-go presentations.

### Features

- Native WXGA resolution, HD compatible
- Extensive connectivity such as DVI, VGA, S-video, Composite, RS-232, USB and RJ45
- Presentation friendly IR remote with laser pointer
- Features Texas Instruments' DLP chipset and latest color processing technologies
- Manage the projector via network connection
- Includes closed captioning

### Specifications

**Display Technology**  
Single 0.65" DMD™ DLP  
Technology by Texas Instruments

**Resolution**  
Native WXGA (1280 x 800)

**Maximum Resolution**  
WUXGA (1920 x 1200)

**Brightness (Typical)**  
3600 ANSI Lumens

**Contrast Ratio**  
2500:1 (Full On/Full Off)

**Lamp Life and Type**  
3000/2000 Hours (STD/Bright)  
280W UHP

**Throw Ratio**  
1.51-1.74:1 (Distance/Width)

**Image Size (Diagonal)**  
27" to 307" (0.68 to 7.79m)

**Projection Distance**  
3.3' to 32.8' (1.0 to 10.0 m)

**Remote Control**  
Fully Featured Remote Control  
w/Mouse and Laser pointer

**Displayable Colors**  
134.2 Million

**Audio**  
One 3-Watt Speaker

**User Controls**  
Complete On Screen Menu  
Adjustments in 22 Languages

**Aspect Ratio**  
16:10 Native, 16:9, 4:3 Compatible

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

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

**Uniformity**  
85%

**Projection Lens**  
F = 2.57~2.77, f = 21.3~24.5 mm,  
1.15x Manual Zoom and Focus

**Monitor Loop Through**  
D-Sub 15 VGA Output

**I/O Connectors**  
DVI-I w/HDCP, Composite Video, VGA-In,  
S-Video, Two Audio-In, USB, VGA-Out,  
Audio-Out, RJ45, +12V Trigger, RS-232

**Security**  
Kensington® Lock Port

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

**Keystone Correction**  
± 30° Vertical

**Horizontal Scan Rate**  
15 kHz, 30 to 90 kHz

**Vertical Refresh Rate**  
50 to 85 Hz

**Weight**  
8.2 lbs (3.7 kg)

**Dimensions (W x H x D)**  
11.8" x 3.9" x 9.6"  
(300 x 100.5 x 244 mm)



**Noise Level (STD/Bright)**  
30dB/32dB

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

**Power Consumption**  
350 Watts (Maximum), <5 Watts  
(Standby)

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

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

**Optional Accessories**  
Ceiling Mount, S-Video Cable,  
VGA to Component Cable, DVI to  
DVI Cable, DVI to HDMI Adapter  
and PanoView™ Series Screens

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

**UPC**  
796435 11 119 9

**Accessory Part Numbers**  
Lamp: BL-FU280A  
Remote: BR-5022L  
Mount: BM-2014U  
Case: BK-4016