

# H76

## HD-2 Widescreen Home Theater Projector

The Optoma H76 native widescreen home theater projector proves that high performance, design ingenuity, and competitive pricing do go hand-in-hand. HD-2 Digital Light Processing™ technology from Texas Instruments, a five-speed, six-segment color wheel, and top-quality video processing and scaling technology achieve rich dark levels, breathtakingly vivid colors to experience a truly dazzling movie theater without leaving home. Only Optoma provides the perfect balance between performance and price and brings it to your living room.



- ◆ **Advanced HD-2 DLP™ Technology**
- ◆ **HDTV native for viewing widescreen TV signals**
- ◆ **Expanded connectivity includes DVI, BNC, component and S-Video hookups**
- ◆ **2000:1 contrast ratio – twice that of a professional theater – delivers subtle color details**
- ◆ **Ultra bright 1,000 lumens rating**
- ◆ **Economy mode extends lamp life to 3,000 hours while reducing fan noise to only 25 decibels**
- ◆ **HDCP compliancy ensures future accessibility to protected, high-bandwidth digital content**

## SPECIFICATIONS

**Brightness:** (typical)  
1000 lumens

**Resolution:**  
720p native (1,280 x 720)  
UXGA (1,600 x 1,200)  
compression

**Contrast Ratio:** (full on/full off)  
2000:1

**Lamp Life and Type:**  
Typical: 2,000 hour, 250 watt  
Economy: 3,000 hour, 200 watt

**Display Type:**  
HD-2 0.79-inch 12-degree  
DLP™ from Texas Instruments

**Throw Ratio:** (distance/width)  
1.6-2.7:1

**Image Size:** (diagonal)  
21 to 282 inches  
(0.5 to 7.2 meters)

**Projection Distance:**  
3.3 to 32.8 feet  
(1.0 to 10 meters)

**Compatibility:**  
VGA, SVGA, XGA, WXGA, UXGA compression  
Full NTSC/PAL/SECAM, VESA, Mac, PC  
True HDTV (720p, 1080i) & 480/p, 576i/p

**Refresh Rate:**  
31.5 to 100 kHz horizontal  
43 to 85 Hz vertical

**Communications:**  
Dual +12V trigger relay, RS-232 controls

**Lens Shift:**  
Vertical, manually operated

**User Controls:**  
Advanced adjustability offered through onscreen display menus

**I/O:**  
Inputs: DVI, BNC, YcbCr/YpbPr, RCA-type jack, S-Video, dual IR receivers  
Outputs: dual +12V relay, RS-232

**Power Consumption:**  
320 watts, <20 watts in standby mode

**Power Supply:**  
AC Input 90 to 264 volts, 50-60 Hz

**Projection Lens:**  
f=28.3 – 38.2 mm, F/2.4,  
1.35x power zoom and focus

**Operating Temperature:**  
23 - 95°F (-5 - 35°C)  
80% maximum humidity

**Storage Temperature:**  
14 - 140°F (-10° - 60°C)  
80% maximum humidity

**Weight:**  
~16.5 pounds (7.5 kg)

**Dimensions (w x h x d):**  
16.9 x 12.0 x 5.3 inches  
(430 x 305 x 135 mm)

**Competitive Warranty:**  
Three-year, limited parts and labor

**Standard Accessories:**  
AC power cord, S-Video cable, composite video cable, wireless remote control, lens cap, two batteries, user manual