

H77

HD-2+ Widescreen Home Theater Projector

The Optoma H77 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, eight-segment color wheel; and top-quality video processing and scaling technology achieve rich dark levels and 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-I, BNC, component and S-Video hookups**
- ◆ **3500:1 contrast ratio – twice that of a professional theater – delivers subtle color details**
- ◆ **Bright 900 lumens rating**
- ◆ **Lamp life of 3,000 hours while operating at 23 decibels**
- ◆ **HDCP compliancy ensures future accessibility to protected, high-bandwidth digital content**



SPECIFICATIONS

Brightness: (typical)
900 lumens

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

Contrast Ratio: (full on/full off)
3500:1

Lamp Life and Type:
3,000 hours 250W UHP

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

Throw Ratio: (distance/width)
1.6:1 - 2.16:1

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

Projection Distance:
3.28 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:
Enables image to be displayed 100% above
or below the center of the lens

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/2.4-2.69,
1.35x power zoom and focus

Noise Level:
23 dB

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 5.3 x 12.0 inches
(430 x 135 x 305 mm)

Competitive Warranty:
Two-year, limited parts and
labor

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