

H79

DarkChip3™ DLP™ Widescreen Home Theater Projector

The Optoma H79 home theater projector surpasses the quality of some of the best analog projectors at a fraction of the price, providing the most vivid, clear, and immersive digital video experience possible. The H79 DarkChip3™ DLP™ technology delivers a wider and smoother color palette with virtually no dithering in the lower end of the gray scale as well as providing an incredibly rich brightness to win over even the most discerning of home theater aficionados.

- ◆ **Advanced DarkChip3™ DLP™ Technology**
- ◆ **HDTV native for viewing widescreen TV signals**
- ◆ **Expanded connectivity includes DVI-I, BNC, component and S-Video hookups**
- ◆ **4500:1 contrast ratio – twice that of a professional theater – delivers subtle color details**
- ◆ **Bright 1000 lumens rating**
- ◆ **Lamp life of 3,000 hours while operating at 23 decibels**
- ◆ **5x, 8-segment DVE color wheel technology with additional dark segments.**




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)
4500:1

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

Display Type:
DarkChip3 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)

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

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

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-I/HDCP, 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:
DVI-I to HDMI adapter, AC power cord, S-Video cable, composite cable, Remote control, lens cap, two batteries, user manual, RS232 cable

UPC:
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