

# H31 | Home Theater Projector



## H31 – Award Winning Big Screen Brilliance.

H31 features DarkChip2™ DLP™ technology by Texas Instruments™ and 16:9 aspect ratio to deliver an authentic movie theater experience within the comfort of your home. H31 is fully compatible with 480i, 480p, 720p and 1080i in both YPbPr and DVI-HDCP inputs. Its 850 lumens and 3,000:1 contrast ratio give you ideal home theater brightness and superior color reproduction. HD scaling enhancements, quick zoom, adjustable memory settings and digital lens shift give the H31 unmatched flexibility and precision for any projector in its class.

### FEATURES

- **Advanced DarkChip2™ DLP™ technology** by Texas Instruments for superior cinema home theater
- **Fully HDTV compatible** with 720p, 1080i and DVI-HDCP output for maximum clarity
- **850 lumens / 3000:1 contrast** for superior image
- **Advanced HD Scaling enhancement** technology for superior high definition reproduction
- **Multiple Quick ZOOM Presets** 1.85:1, 1.66:1, 2.35:1, 4:3 to 16:9
- **Digital lens shift** with 2 positional memories
- **Four-speed, six-segment color wheel** for superior color
- **5 separate user adjustable memory settings**
- **Automatically preset reloading** whenever input signal resolution changes



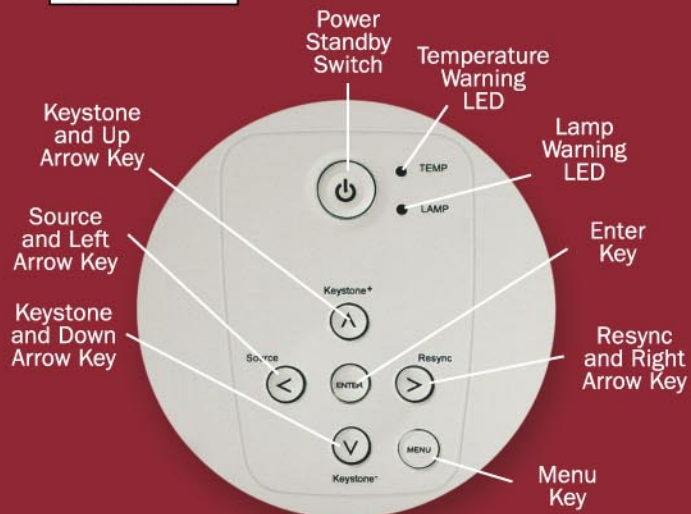
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## Specifications

<b>Display Technology</b>	Single 0.54-inch 12-degree DarkChip2™ DLP™ technology by Texas Instruments
<b>Brightness</b>	850 lumens (typical)
<b>Weight</b>	5 pounds (2.2 kg)
<b>Resolution</b>	480p (854 x 480) native SXGA (1,280 x 1,024) compressed
<b>Dimensions (WxHxD)</b>	10.7 x 3.4 x 8.3 inches (272 x 86 x 211 mm)
<b>Contrast Ratio</b>	3,000:1 (full on/full off)
<b>Noise Level</b>	32 dB standard (typical)
<b>Lamp Type</b>	200-watt P-VIP lamp
<b>Lamp Life</b>	2,000 hours Brightmode™ / 3,000 hours STD
<b>Image Size</b>	28 to 304 inches (0.7 to 7.7 meters) diagonal
<b>Projection Distance</b>	3.9 to 39.4 feet (1.20 to 12 meters)
<b>Computer Compatibility</b>	SXGA, XGA, SVGA, VGA compression, VESA standards, PC & compatibles, Macintosh
<b>Video Compatibility</b>	NTSC (M, 3.58/4.43 MHz), PAL (B, D, G, H, I, M, N), SECAM (B, D, G, K, K1, L), HDTV (720p, 1080i)
<b>Aspect Ratio</b>	16:9 native at 480p (854 x 480), 4:3 compatible
<b>Projection Lens</b>	f = 19.7 – 23.6 mm, F/2.4 – 2.7 manual focus and zoom
<b>Keystone Correction</b>	± 16 degrees
<b>Throw Ratio</b>	1.65 to 2.0 (distance/width)
<b>Horizontal Scan Rate</b>	15 to 70 kHz
<b>Vertical Refresh Rate</b>	43 to 85 Hz
<b>Power Supply</b>	100-240 volts, 50-60 Hz
<b>Power Consumption</b>	270 watts (maximum), standby mode 5 watts
<b>Operating Temperature</b>	50 - 104°F (10 - 40°C) (80% humidity)
<b>Displayable Colors</b>	16.7 million, 256 shades of gray
<b>Projection Method</b>	Front/rear/ceiling mount/table-top
<b>Uniformity</b>	90%
<b>I/O Connectors</b>	DVI-I with HDCP RCA Component (YPbPr), S-Video, composite video (RCA), two IR receivers, AC power input, RS-232
<b>Standard Accessories</b>	Composite video cable, S-video cable, Remote control, battery for remote, lens cap, User Manual, quick start guide, warranty card, Power Cord
<b>Warranty</b>	Limited 2 yr. warranty, 90 day lamp warranty, zero dead pixel 2 yr. warranty
<b>Optional Accessories</b>	Ceiling mount kit, HDMI to DVI adapter, carrying case
<b>UPC code</b>	796435 11 582 1

## Control Panel



## I/O Ports



## Screen Size

PROJECTION DISTANCE/IMAGE WIDTH		
Projection Distance (feet)	Minimum Width (inches)	Maximum Width (inches)
6	36.00	43.64
7	42.00	50.91
8	48.00	58.18
9	54.00	65.45
10	60.00	72.73
11	66.00	80.00
12	72.00	87.27
13	78.00	94.55
14	84.00	101.82
15	90.00	109.09

## Dimensions



AVAILABLE AT



## Optional Accessories

Bering™ Ceiling Mount



Dual universal joints give precise and flexible mounting

Data-H31-001