



Optoma
HOME THEATER

www.optomahometheater.com

Home Theater Projectors

The art of projecting perfection.

The "Mona Lisa" was once nothing more than a white canvas filled with potential. When expertly formed by a delicate balance of color and depth, she became a masterpiece. This same principal defines Optoma home theater projectors. Using Digital Light Processing™ technology from Texas Instruments, Optoma home theater projectors display vivid colors and true blacks with extraordinary depth-of-field, turning a blank screen into a work of art. Experience DVDs, high-definition television, sports, or even video games painted with a digital palette of more than 16 million colors in the brilliance of your own masterpiece – your own home theater.

Introducing Optoma Home Theater Projectors



Optoma Technology Advantages:

- A broad array of features including wide-range throw ratios, screen triggers, and keystone correction allows virtually any room to become a home theater.
- DLP™ technology by Texas Instruments offers crystal-clear images with superior quality and reliability, complemented by Optoma's industry-leading warranty.
- DLP™ technology delivers superior contrast ratios to display precise, vivid colors and deep, rich blacks with exact color reproduction and immense depth-of-field.
- With noise levels as low as 23 dB, Optoma projectors are among the quietest in the industry so you hear the movie instead of the projector
- Industry-leading video processing technology converts interlaced signals into progressive scan signals for smoother motion and sharper onscreen images.
- Optoma's proprietary adjustable color matrix regulates reds, greens, and blues independently for unprecedented picture control.

Compatible with your DVD and surround sound components and formatted for HDTV, Optoma Home Theater Projectors are the ultimate enhancement to your existing system.

H79 DarkChip3™ Advantage

Based on the Texas Instruments DarkChip3™ chip, the Optoma H79 native HDTV projector will deliver a theater experience like no other. Advanced Engineering of the DMD chip removed the dimple from the micro mirrors further improving contrast ratio and displaying subtle details with extraordinary clarity. Optoma proprietary coated DVE (Dark Video Enhancement) color wheel produces superior dark scenes and with the improved processing of green light the projector delivers vibrant white scenes and further enhanced dark scenes for supreme video performance.



Bringing Theater Home. Optoma designs home theater projectors with every budget, purpose, and type of room in mind. Enjoy your favorite TV shows, DVDs, sports, video games, and high definition content (HDTV) in glorious detail, experiencing vivid, saturated colors and the deep, rich blacks offered by DLP™ technology. Every Optoma home theater projector comes with a Zero Dead Pixel warranty guaranteeing visual completeness.

H79 – Home Theater Powerhouse

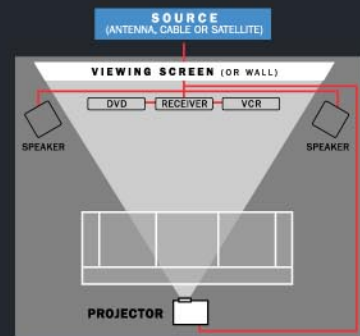
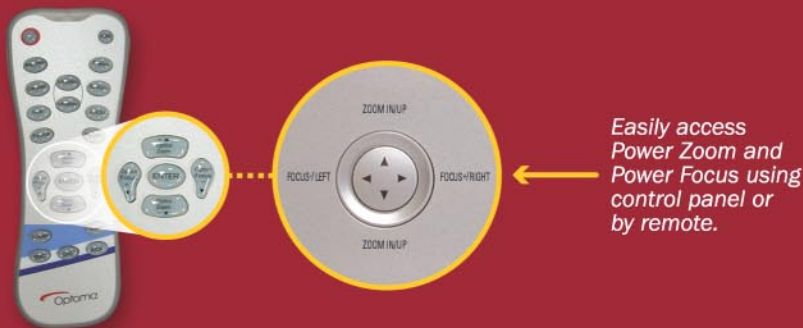
Based on the Texas Instruments DarkChip3™ chip, this native HDTV projector will deliver a theater experience like no other. With features such as proprietary 5x, 8-segment DVE color wheel technology with additional dark segments for virtually no dithering, DVI-I with HDCP, vertical lens shift, power zoom and focus, and Optoma's exclusive sealed light engine design, any ordinary room will be transformed into the ultimate home theater.

Revolutionary Engineering

The revolutionary Shield Design of the projector casing prevents unwanted light emission and enables near silent operation. Through the strategic use of baffles within the cooling tunnel, air speeds are reduced resulting in whisper quiet performance.



Power Zoom and Power Focus With the versatility of Power Zoom and Power Focus, image adjustments are so convenient especially for the ceiling mounted projector. Super fine-tuning is made possible by moving close to the screen and looking at the individual pixels while making fine adjustments using the Power Focus button on the remote.



Easy to set up and use. Setting up a home theater sounds like a daunting task, but Optoma makes it easy. The projectors are compatible with most components, and features such as lens shift, screen triggers, and keystone correction make set up a snap. Plus, Optoma's online home theater guide will walk you through selecting the right type of projector and guide you through set up.

Optoma H79 Vertical lens shift. The vertical lens shift control adjusts the height of the projected image, giving further versatility to this top of the line projector. With a full 100% vertical offset it takes less time to position the projector and the quality of the image is not compromised.



precision

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Universal Touch Screen Remote (Optional)

This powerful universal touch screen remote can manage up to 8 electronic entertainment devices including Home Theater Projectors, TVs, VCRs, DVDs,



Satellite, CDs, Tuners and AV receiver from a single, easy-to-use, handheld remote. The Optoma Universal Remote comes with pre-programmed codes and a fast and simple Smart Learning guide for learning IR codes from future devices. Assign macros of up to 60 commands, including time delays between two commands. The 512kb flash memory will retain codes even when batteries are low or removed. An extra large LCD illuminated touch-screen display and automatic low-light sensing and sensitivity adjustment allows for easy viewing in dimly lit home theater environments.



H77 – The HD2+ Advantage

This native HDTV projector delivers a stunning home theater experience. H77 features the Texas Instruments HD2+ chip, which has improved contrast ratio and displays subtle details with extraordinary clarity.

Optoma proprietary coated DVE (Dark Video Enhancement) color wheel, together with improved processing of green light combine to produce more vibrant whites and far superior darks for supreme overall video performance.



H57 – DarkChip2™ DLP™ Technology from Texas Instruments

This 16:9 576p Native Widescreen H57 Stands to Outperform Big-Ticket Competitors with superior picture quality and super quiet operation.

The H57 is fully HDTV compatible with 720p and 1080i. 1100 lumens and rich dark levels with contrast ratio of 3000:1, breathtakingly vivid colors, and a native 16:9 aspect ratio – perfect for viewing widescreen materials in their natural state.



Specifications	H79	H77	H57
Display Technology	Single 0.79 12-degree DarkChip3™ DLP™ technology by Texas Instruments	Single HD2+ 0.79-inch 12-degree DLP™ technology by Texas Instruments	Single 0.64 576p 12-degree DarkChip2™ DLP™ technology by Texas Instruments
Brightness (typical)	1,000 lumens	900 lumens	1,100 lumens
Weight	16.5 lbs (7.5 kg)	16.5 pounds (7.5 kg)	7.5lbs (3.4kg)
Resolution	720p (1,280 x 720) native UXGA (1,600 x 1,200) compressed	720p (1,280 x 720) native UXGA (1,600 x 1,200) compressed	576p (1024x576) native UXGA (1,600 x 1,200) compressed
Dimensions (WxHxD)	16.9 x 5.3 x 12.0 inches (265 x 236 x 104mm)	16.9 x 5.3 x 12.0 inches (429 x 135 x 305 mm)	13.4 x 5 x 10.3 inches (340 x 127 x 260mm)
Contrast Ratio (full on/full off)	4,000:1	3,500:1	3,000:1
Noise Level (typical)	23 dB standard	23 dB standard	28 dB standard
Lamp Type	250-watt UHP Lamp	250-watt UHP lamp	250-watt UHP Lamp
Lamp Life (typical)	3,000 hours	3,000 hours standard	2,000 hours
Image Size (diagonal)	21 to 282 inches (0.5 to 7.2 meters)	21 to 282 inches (0.5 to 7.2 meters)	29.5 to 246 inches (0.75 to 6.25 meters)
Projection Distance	3.3 to 32.8 feet (1.0 to 10 meters)	3.3 to 32.8 feet (1.0 to 10 meters)	4.9 to 32.8 feet (1.5 to 10m)
Computer Compatibility	UXGA, SXGA, WXGA, XGA, SVGA, VGA compression, VESA standards, PC & compatibles, Macintosh	UXGA, SXGA, WXGA, XGA, SVGA, VGA compression, VESA standards, PC & compatibles, Macintosh	UXGA, SXGA, XGA, SVGA, VGA compression, VESA standards, PC & compatibles, Macintosh
Video Compatibility	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), EDTV (480p), SDTV (480i), 576i/p	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), EDTV (480p), SDTV (480i), 576i/p	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), EDTV (480p), SDTV (480i), 576i/p
Aspect Ratio	16:9 native, 4:3 & 5:4 compatible	16:9 native, 5:4 & 4:3 compatible	16:9 native, 4:3 & 5:4 compatible
Projection Lens	f = 28.03 – 38.2 mm, F/2.4-1.35x power zoom and focus with manual lens shift	f = 28.3 - 38.2 mm, F/2.4, 1.35x power zoom and focus with manual lens shift	f = 22.3 - 26.8, F/2.6-2.85 1:1.2 manual zoom and focus
Keystone Correction	Vertical and horizontal	Vertical and horizontal	Vertical and horizontal
Throw Ratio (distance/width)	1.6:1 to 2.16:1	1.6:1 to 2.16:1	1.57 to 1.87:1
Horizontal Scan Rate	15 to 100 kHz	15 to 100 kHz	15 to 100 kHz
Vertical Refresh Rate	43 to 85Hz	43 to 85 Hz	43 to 120 Hz
Power Supply	90-264 volts, 50-60 Hz	90-264 volts, 50-60 Hz	100-240 volts, 50-60 Hz
Power Consumption	320 watts (maximum), standby mode <20 watts	320 watts (maximum), standby mode <20 watts	320 watts (maximum), standby mode <10 watts
Operating Temperature	23 - 95°F (-5 - 35°C) (80% humidity)	23 - 95°F (-5 - 35°C) (80% humidity)	23 - 95°F (-5 - 35°C) (80% humidity)
Displayable Colors	16.7 million, 256 shades of gray	16.7 million, 256 shades of gray	16.7 million, 256 shades of gray
Projection Method	Front/rear/ceiling mount/table-top	Front/rear/ceiling mount/table-top	Front/rear/ceiling mount/table-top
Uniformity	95%	95%	90%
I/O Connectors	DVI-I with HDCP, BNC (RBGHV/component video), component video, composite video (RCA), S-Video, two IR receivers, dual +12V trigger relays, RS-232 communication, AC power input	DVI-I with HDCP, BNC (RBGHV/component video), component video, composite video (RCA), S-Video, two IR receivers, dual +12V trigger relays, RS-232 communication, AC power input	DVI-I with HDCP Composite (RCA), VGA input (analog RGB/component/HDTV), S-Video, Component Video, RS-232 communication, AC power input
Standard Accessories	DVI-I to HDMI adapter, AC power cord, S-Video cable remote control, composite video cable, two AAA batteries, lens cap, CD for user manual, warranty card, RS-232 cable	DVI-I to HDMI adapter, AC power cord, S-Video cable remote control, composite video cable, two AAA batteries, lens cap, CD for user manual, warranty card, RS-232 cable	DVI-I to HDMI adapter, DVI cable, Component video cable, 3 RCA component cable, S-video cable, remote control, battery for remote, lens cap, user manual, quick start guide ,warranty card, RS-232 cable
Warranty	Limited two-year warranty, 90 day lamp warranty, zero dead pixel 2 yr. warranty	Limited two-year warranty, 90 day lamp warranty, zero dead pixel 2 yr. warranty	Limited two-year warranty, 90 day lamp warranty, zero dead pixel 2 yr. warranty
Optional Accessories	Universal Touch Screen Remote, Ceiling Mount Kit	Universal Touch Screen Remote, Ceiling mount kit	0.8 short throw lens, Ceiling mount kit, carrying case, 15-pin to 2 RCA component/HDTV hookup
UPC code	796435 11 597 5	796435 11 584 5	796435 11 595 1

Available From:



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