

JVC
PROFESSIONAL

D-ILA® PROJECTOR
DLA-G150HT



HDTV

600:1
CONTRAST RATIO

Especially designed for home theaters, this projector delivers outstanding image quality with superb color reproduction.



When you want to build the ultimate home theater, you need the ultimate home theater projector. The DLA-G150HT from JVC. Designed especially for home theater applications, this projector delivers brilliant big-screen images with the textured detail of film and the extra-high contrast you need for true visual depth. Featuring JVC's original D-ILA® device for true SXGA resolution, the DLA-G150HT offers professional-standard gray scale reproduction, outstanding contrast of 600:1, and a full set of connectors that allow you to view everything from regular TV programs to computer displays, DVDs, and even digital TV broadcasts. And, because this remarkable projector is built for the home, it comes in a compact, easy-to-use package that can easily be installed just about anywhere. The DLA-G150HT from JVC. — Bringing entertainment home.

Outstanding film-like picture reproduction

JVC's original D-ILA® technology for unsurpassed image quality

JVC's D-ILA® (direct Drive Image Light Amplifier) technology features a high-density, reflective liquid crystal structure that provides you with today's optimal combination of brightness, resolution, contrast and color for the big screen. Thanks to a 93% aperture ratio, it also provides the highest native resolution with the least visible pixels, making images as smooth and natural as film.



High-definition images with true SXGA resolution

With extra-high resolution of up to 1,365 x 1,024 pixels, the DLA-G150HT easily handles even the super-sharp clarity of an SXGA (1,280 x 1,024 pixels) image. It reproduces the picture without the scaling or loss of quality typically associated with projection of high-resolution computer graphics and CAD/CAM images. With video resolution of 1000 TV lines, small text, characters, icons and cursors are clearly legible even at the corners of the projected image. Moreover the DLA-G150HT has input capability up to 105 kHz, making it compatible with resolution as high as UXGA (1,600 x 1,200). Further, D-ILA® 1,365 x 1,024 resolution with 4:3 aspect ratio provides superior performance without sacrificing resolution when viewing either 16:9 or native 4:3 sources.

SXGA

Superb 600:1 contrast ratio

An extra-high contrast ratio of 600:1 ensures that images are sharp and crisp with enhanced depth and superior clarity.



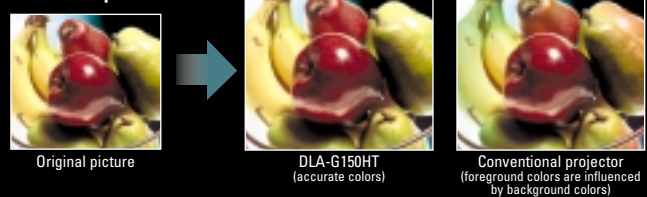
Professional-standard gray scale reproduction for home use

With gray scale color tracking set to the EBU-set "D65" standard, source media can be faithfully reproduced with the same color gradations intended by the creator of the program. All color gradations are natural and consistent, including absolute black and absolute white so you'll enjoy superb, visually accurate reproduction of video, television, and DVD images. Even in dark scenes, subtle gradation differences can be clearly distinguished and noise is minimal.

Comparison of gradation characteristics



Comparison of color reproduction



De-interlacer for more natural-looking images

A built-in de-interlacer cleans up interlaced TV artifacts to improve perceived vertical resolution of TV signals and make them appear smoother, eliminating annoying raster lines.

420 W Xenon lamp for natural color reproduction

The Xenon lamp provides a more natural, stabler light, enabling vivid, true-to-life color reproduction.

High brightness of 1000 ANSI lumens

With high brightness of 1000 ANSI lumens, a brighter, clearer picture can be obtained even in brighter rooms or on larger screens.



Flexible setup for easy installation in a wide range of viewing environments

Installation flexibility

With a zoom lens, digital keystone correction and both front and rear projection capability, this projector offers a variety of installation configurations and can be mounted on a ceiling or placed on a table-top.

Switchable 16:9 and 4:3 aspect ratio

Screen aspect ratio can be switched between 16:9 and 4:3 with one-touch operation.

Direct connection to various sources

Can be connected directly to various source devices including a personal computer, DVD, VCR and HDTV equipment.

Low-noise design

Fan noise is reduced, providing a quieter, more enjoyable environment for watching movies and other programs.

Easy-to-use wireless remote control

“Class B” classification approved for home use



Digital TV input capability

To ensure compatibility with DTV signals, the DLA-G150HT is designed to accept analog signals on the 480i, 480p, 720p and 1080i formats. Moreover, as this projector can accept 1080/24psf format signals, it is ideal for large-screen video and HDTV post-production applications.

Various applications

The DLA-G150HT's advanced features make it more than just the very finest home theater projector we've ever made. It's also ideal for a wide range of other applications.

Medical field

High-resolution images with truly natural and accurate colors make the DLA-G150HT an excellent projector for use in medical schools and hospitals where detail, accuracy, and realistic representation are essential to student understanding.



Post-production

With 1080/24psf signal input and accurate color reproduction capability, you'll be able to check and adjust colors on-screen during the post-production process.



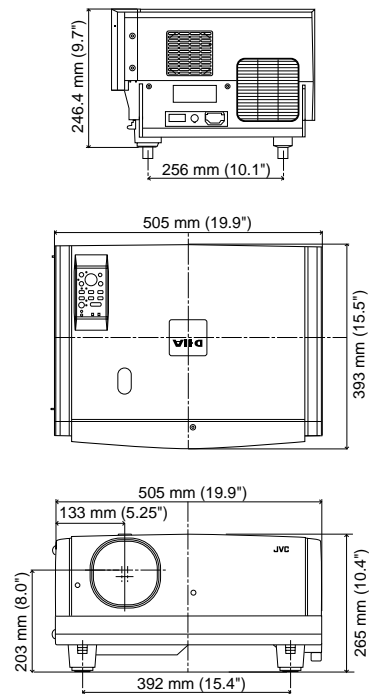
Major Specifications

| | |
|---------------------------------|--|
| Image Device | 3-panel D-ILA® (0.9 inch diagonal) |
| Projection Lens | 2:1–3:1 (Throw distance : Screen width), Powered Zoom, 50% off-axis |
| Brightness | 1000 ANSI lumens |
| Native Resolution | 1.4 M pixels (1,365 x 1,024 pixels) |
| Sources | |
| Computer | VGA, SVGA, XGA, SXGA, UXGA, MAC, SUN, SGI, etc. |
| Video | PAL, SECAM, NTSC/NTSC 4.43 |
| DTV (Digital TV) | 480i, 480p, 720p, 1080i, 1080/24psf |
| Uniformity | More than 85% |
| Scan Frequency | |
| Horizontal | 15 kHz – 105 kHz |
| Vertical | 50 Hz – 100 Hz |
| Contrast Ratio | 600:1 |
| Color Reproduction | 16.7 million colors |
| Data Clock: | 160 MHz |
| Screen Width | |
| Wide | 1.6 m – 10.4 m (4.36 ft – 34.74 ft) |
| Tele | 0.9 m – 6.6 m (2.79 ft – 21.78 ft) |
| Throw Distance | |
| 4:3 Aspect Ratio | 2.5 m – 20.0 m (8.22 ft – 65.48 ft) |
| 16:9 Aspect Ratio | 2.6 m – 19.6 m (8.52 ft – 64.33 ft) |
| Lamp | 420 watts, Xenon |
| Inputs | |
| 1 RGBHV (BNC) | Computer and DTV |
| 1 Component (Y, Pr, Pb) | Video and DTV (1 RGBHV and 1 Component inputs use a common connector.) |
| 1 RGB (D-sub 15-pin VGA) | Computer |
| 1 Composite | |
| 1 S-Video | |
| Input Power | 100 – 120 V AC, 50/60 Hz |
| Power Consumption | 620 W |
| Dimensions (W x H x D) | 505 x 265 x 393 mm (19.9" x 10.4" x 15.5") with lens travel |
| Weight | 15.4 kg (34 lbs.) including fixed zoom lens |
| Provided Accessories | AC cable, Wireless (infrared) remote control, PC connection cable (D-sub 15-pin male-D-sub 15-pin male), Adapter for Macintosh, AV cable, BNC-RCA adapter, Lens cap, Operation manual, Battery for remote control unit x 2 |

Connectors



Dimensions



DLA-G150HT Throw Distance vs. Screen Width (Offset projection angle: 50%)

| | | ● 4:3 Aspect Ratio Screen | | | | | | | | | | |
|------------------------------|---------|---------------------------|-------|--------|-------|--------|--------|-------|--------|-------|-------|--------|
| Screen Width | m | 1.2 | 1.5 | 1.7 | 1.8 | 1.9 | 2.4 | 3.1 | 3.7 | 4.3 | 4.9 | 6.1 |
| | ft/inch | 48" | 57" | 67" | 72" | 80" | 96" | 120" | 144" | 14' | 16' | 20' |
| Throw Distance at Wide Angle | m | — | 2.8 | 3.3 | 3.5 | 3.9 | 4.7 | 5.8 | 7.0 | 8.1 | 9.3 | 11.5 |
| | ft/inch | — | 9'3" | 10'10" | 11'7" | 12'10" | 15'4" | 19'1" | 22'10" | 26'7" | 30'4" | 37'10" |
| Throw Distance at Tele Zoom | m | 3.6 | 4.2 | 4.9 | 5.3 | 5.9 | 7.0 | 8.7 | 10.5 | 12.2 | 13.9 | 17.4 |
| | ft/inch | 11'8" | 13'9" | 16'2" | 17'4" | 19'3" | 22'12" | 28'8" | 34'5" | 40'1" | 45'9" | 57'1" |

| | | ● 16:9 Aspect Ratio Screen | | | | | | | | | |
|------------------------------|---------|----------------------------|--------|--------|--------|-------|-------|--------|-------|--------|--|
| Screen Width | m | 1.8 | 1.9 | 2.2 | 2.4 | 2.7 | 3.0 | 3.7 | 4.9 | 6.1 | |
| | ft/inch | 72" | 80" | 87" | 96" | 107" | 118" | 144" | 16' | 20' | |
| Throw Distance at Wide Angle | m | 3.5 | 3.9 | 4.2 | 4.7 | 5.2 | 5.7 | 7.0 | 9.3 | 11.5 | |
| | ft/inch | 11'7" | 12'10" | 13'11" | 15'4" | 17'1" | 18'9" | 22'10" | 30'4" | 37'10" | |
| Throw Distance at Tele Zoom | m | 5.3 | 5.9 | 6.4 | 7.0 | 7.8 | 8.6 | 10.5 | 13.9 | 17.4 | |
| | ft/inch | 17'4" | 19'3" | 20'10" | 22'12" | 25'7" | 28'3" | 34'5" | 45'9" | 57'1" | |



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