



dVision



E-Vision



iVision



M-Vision

VISION Series

POWERFUL. EFFICIENT. RESPONSIBLE.



DIGITAL  **PROJECTION**

An Extraordinary Range of Single-Chip DLP® Solutions

The Vision Advantage

Considering their powerful performance, compact forms and dynamic application value, Digital Projection's single-chip projectors serve as the most cost effective imaging tools available today. Engineering advancements can be found throughout these products, including BrilliantColor™ and ColorMax™, which provide precise single-chip color performance and ensure long-term color fidelity.

Available in a variety of native resolutions with UHP lamp or LED illumination options, as well as select models with active-3D capability, DP's single-chip lineup delivers a perfect display solution for any small to large scale imaging need. Additionally, their compact size, light weight and variety of lens options ensure both installation flexibility and ease of use. DP's single-chip displays also offer remarkably long lamp life and the lowest long-term cost of ownership, rendering them exceptional solutions for applications such as corporate boardrooms, training/education venues, command and control, retail/entertainment, visualization/simulation, and dynamic home cinema.

E-Vision Series

The newest addition to DP's single-chip product line, the dual-lamp E-Vision series brings an unprecedented high brightness, cost effective projection option to commercial AV and residential customers. E-Vision projectors are remarkably affordable displays with the imaging fidelity of Texas Instruments' DLP® technology.



Key benefits of the E-Vision series include:

- Ultra-high brightness from low-wattage, long life lamps.
- Available in a wide variety of native resolutions, all benefitting from DarkChip DLP® technology.
- A variety of fixed and zoom lens options support throw ratios ranging from .77:1 – 8.3:1, providing extraordinary installation flexibility.
- Generous horizontal and vertical lens shift, allowing the E-Vision to be installed in a wide range of positions with respect to the projection screen.
- Bayonet-style motorized lens mount makes it easy to change lenses, plus provides the ability to adjust zoom, focus and vertical and horizontal lens shift via the remote control.
- Easy to change color wheels allow the user to customize their E-Vision's performance to produce the best balance of lumens and color saturation for their application.
- 3D capability and Warp or Blend on some models.

The bright and value oriented E-Vision series continues DP's legacy of delivering powerful, efficient projectors suited for demanding projection venues. The entry level cost, combined with the high lumen performance, make E-Visions perfect for venues with larger screens, as well as venues with high ambient light, such as lecture halls, corporate auditoriums and Houses of Worship.



M-Vision Cine Series



The M-Vision Cine series represents DP's lineup of full HD resolution displays that are remarkably affordable and efficient, yet powerful in their imaging fidelity. M-Visions with UHP lamp-based illumination systems produce high lumens, deep contrast and accurate color. The LED illuminated M-Visions provide a Lifetime Illumination solution, delivering tens of thousands of LED lamp life hours, while producing the lush color saturation and broad color gamut previously achievable only from DP's 3-chip DLP® displays. Most M-Vision models can also be ordered in either high brightness or high contrast configurations, to best match application needs.



Key benefits of the M-Vision series include:

- Full HD or WUXGA resolution, with DarkChip DLP® technology.
- Ultra quiet performance – many models are audibly invisible in nearly any venue.
- Lamp-illuminated models produce high brightness from a single low-wattage, long life lamp, delivering the highest lumens per watt along with the lowest cost of ownership.
- Extraordinary color saturation is achieved by LED illuminated models, which also serve as Lifetime Illumination displays.
- DP's Dynamic Black technology, which assures the highest dynamic range is always achieved.
- 3D source connectivity, supported by all M-Vision 3D models.
- A variety of fixed and zoom lens options provide exceptional installation flexibility.
- Horizontal and vertical lens shift, allowing the M-Vision to be installed in a wide range of positions with respect to the projection screen.

The high resolution, compact and quiet M-Vision projectors are perfect display solutions for any small to medium scale venue. LED illuminated M-Visions produce truly remarkable imagery in small theatrical venues, such as corporate screening rooms and private home cinemas, and also serve as flexible, low maintenance imaging tools for more demanding, high use applications, such as simulation, command and control, and process control. The higher lumen, lamp-illuminated M-Visions are mighty imaging solutions, perfectly suited for mid-size theaters, or smaller venues with some ambient light, such as classrooms, training facilities and corporate boardrooms.

dVision Series



As the flagship series within DP's single-chip product line, dVisions are offered in the broadest range of native resolutions and provide unparalleled flexibility in lumen and contrast performance. Models are available with dual lamp illumination or LED Lifetime Illumination systems. The elegantly designed dVisions can be calibrated to suit most any small-to-large venue needing bright, saturated, high-resolution imagery.



Key benefits of the dVision series include:

- Available in a wide variety of native resolutions, all benefitting from DarkChip DLP® technology.
- Lamp life up to 6,000 hours, or Lifetime Illumination provided by LED models assures the lowest operational costs.
- 3D source connectivity, supported by all dVision 3D models.
- Thirteen distinct quick-change lenses and an unmatched range of vertical and horizontal lens shift provide extensive installation flexibility.
- Fully motorized lens mount, with precise movement for zoom, focus and lens shift settings.
- Motorized lens aperture, lamp power settings and ColorMax™ calibration enable customization of contrast, light output and color performance to suit specific application needs.
- FastFrame™ smear reduction optimizes edge sharpness on fast moving content, characteristic in sports content and simulation applications.

In terms of imaging quality and operational flexibility, dVisions represent the pinnacle of single-chip DLP® performance. Given their mechanical and optical flexibility, dVisions are uniquely equipped to support the widest array of demanding single-chip display applications.

Lifetime Illumination:

A Closer Look at M-Vision and dVision LED Displays

DP's LED illuminated displays incorporate an LED module that contains separate Red, Green and Blue Light Emitting Diodes, powered by a specialized switching power supply. There is no color wheel involved in LED illuminated projection systems; rather, the LEDs pulse in sequence to generate color primaries. The pulsing is digitally controlled, and the duty cycle is optimized to create dramatically improved color gamut and saturation. Although single-chip LED illuminated projectors are not as bright as their 3-chip counterparts in terms of sheer lumens, they are very comparable when it comes to color performance.

LED Illumination Advantages Include:

- Deep, Saturated Colors – up to 140% of the NTSC Color Gamut.
- Excellent Contrast via Dynamic Black – the LEDs can be instantly pulsed “off.”
- Enhanced Reliability – with the exception of cooling fans, there are no color wheels or other moving parts.
- Environmentally Friendly – no harmful substances like Mercury or Xenon.
- Low Cost of Ownership – typical LED life expectancy is up to 60,000 hours. For 99.9% of all applications the LED illumination module will never need to be replaced.

As a result of the improved color saturation and contrast, LED illuminated projectors appear 25% - 50% brighter to our eyes than a single-chip, lamp-based projector employing a color wheel and producing similar measured lumens.

It is difficult to find a sector of the AV industry that isn't excited about the potential of LED as a projection illumination source, and Digital Projection is committed to engineering the industry's most advanced LED displays.

iVision Series

Incredibly bright for their size, DP's single-lamp iVision projectors are compelling solutions for any integrator seeking a bright, flexible and extraordinarily compact precision display. ColorMax™ technology ensures iVisions can be quickly benchmarked for color alignment. A variety of iVision models can be ordered with color-wheels designed to deliver the highest color saturation, the highest brightness or an optimized balance between the two.



Key benefits of the iVision series include:

- Very high lumen and contrast performance from an extremely compact and quiet chassis.
- Available in a variety of native resolutions, all benefitting from DarkChip DLP® technology.
- Ultra quiet performance – audibly invisible in nearly any venue.
- Efficient brightness from a single low-wattage, long life lamp, delivering high lumens-per-watt along with a very low cost of ownership.
- A variety of fixed and zoom lens options provide great installation flexibility.
- Vertical lens shift on the iVision 20 series models supports placement of the projector in a wide range of positions with respect to the projection screen.

All iVisions employ sealed optics, preventing airborne contaminants from affecting sensitive components and ensuring image quality is maintained for the long-term. Given the diversity of native resolution, color wheels and lens options available in the iVision lineup, DP customers can literally select the product configuration that perfectly matches their small to mid-size venue display needs. From classrooms, training rooms and conference rooms, to simulation, command and control and even home cinema, the capable iVision series will reveal a model perfectly matched to the display challenge.

60,000 Hours = 6.8 years of 24/7 operation





Image courtesy of Dallas Extreme



Image courtesy of The Jimmy Carter Presidential Library



Image courtesy of Electronics Design Group



Museum of Modern Art, NYC. Image courtesy of AVI - SPL



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