

DIGITAL PROJECTION

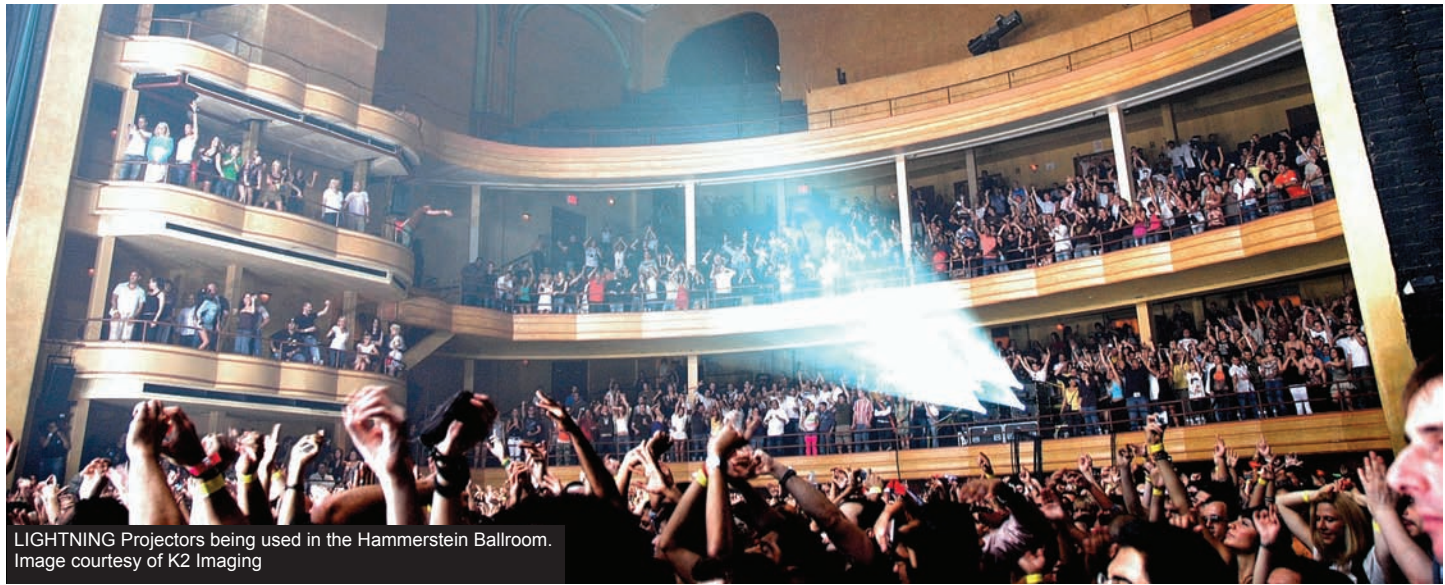
Precision Displays for Every Venue



Over 20 years of manufacturing
world class digital projectors



www.digitalprojection.co.uk



LIGHTNING Projectors being used in the Hammerstein Ballroom. Image courtesy of K2 Imaging

A Global Organisation

Dedicated to delivering powerful products



Digital Projection was founded with one key objective, to innovate the projection technology of the future in order to advance the capabilities of large-screen displays.

Since the company first took on this challenge, they have worked closely with their customers to ensure their products create the most stunning imagery possible within every application.

With development and manufacturing headquarters in the United Kingdom, Digital Projections network of sales, service and support spans Europe, North America, China, India and the Far East. This diverse international team of projection experts stand ready to support your product and application needs around the globe.



- > Manchester, UK
- > Atlanta, GA USA
- > Stuttgart, Germany
- > Paris, France
- > Dubai
- > Fredrikstad, Norway
- > Westervoort, Netherlands
- > Beijing, China
- > Guangzhou, China
- > Shanghai, China
- > Singapore City, Singapore
- > Delhi, India



Lightning Projectors at Radio City Hall Image Courtesy of K2imaging & MSG Entertainment

Technology Overview

	Best-in-class efficiency technology in terms of performance, cost of ownership and environmental impact.		Displays state-of-the-art 3D formats and frame rates for the most precise, immersive 3D imagery imaginable.
	Provides accurate color alignment and calibration for color critical applications.		Enables distribution of 3D content via 60 Hz formats by frame-doubling the signal within the projector.
	Supports multi aspect ratio applications by precisely moving lens zoom, focus and shift to up to 10 user-defined preset positions.		Ultra-low latency signal path provides a direct connection between the DLP® engine and the source.
	Vastly reduces the artifacts and image blur typically associated with rapidly moving display content.		Rugged rigging system with integrated pitch, roll and yaw adjustments.
			Advanced image Warp & Blend technology with superbly capable edge blending and multi-projector tiling.



Twenty-four Digital Projection Lightning displays on a 174 x 18 metre screen at the Dubai International Finance Center.
Image Courtesy of Louise Stickland



Image courtesy of K2imaging & MSG Entertainment

Product Line Overview

Single Chip Range

3-Chip Range



M-Vision SeriesE-Vision SeriesHIGHLite SeriesTitan Quad Series

Overview	Single Chip Projectors								Three Chip Projectors							
																
	M-Vision Cine 320 / 320 3D	M-Vision Cine 400 / 400 3D	M-Vision Cine LED	M-Vision 930	E-Vision 4500 3D	E-Vision 6500	E-Vision 7500	E-Vision 8000	HIGHLite 335/ 335-3D	HIGHLite 660/ 660-3D	HIGHLite 740	HIGHLite Laser	TITAN 800	TITAN LED	TITAN 930	TITAN Super Quad
Brightness (Lumens)	4,000	6,000	1,000	12,000	4,000	7,000	7,500	8,000	2,000 - 6,000	8,000	10,000	10,000 - 12,000	12,000	2,000	14,500 - 15,000	20,000
Resolution	1080p	1080p	1080p/WUXGA	WUXGA	1080p/WUXGA	XGA/WXGA	WXGA/WUXGA	1080p/WUXGA	1080p	1080p/WUXGA	1080p/WUXGA	WUXGA	1080p / WUXGA / SX+	1080p / WUXGA	1080p / WUXGA / SX+	1080p / WUXGA / SX+
Technology	Single Chip DLP	Single Chip DLP	Single Chip DLP	Single Chip DLP	Single Chip DLP	Single Chip DLP	Single Chip DLP	Single Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP	Three Chip DLP
Contrast Ratio	2000:1	2000:1	10,000:1	2000:1 - 5000:1	2000:1	2400:1	2400:1	2400:1	2000:1 - 20,000:1	2000:1	2000:1	2000:1	2000:1	2000:1	2000:1	2000:1
3D	Optional	Optional	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
Warp / Blend	-	-	-	✓	-	-	-	✓	-	✓	✓	-	✓	✓	✓	✓
Lens'																
Lens Options	1 x Fixed 4 x Zoom	1 x Fixed 4 x Zoom	1 x Fixed 4 x Zoom	4 x Zoom	1 x Fixed 2 x Zoom	1 x Fixed 5 x Zoom	1 x Fixed 5 x Zoom	1 x Fixed 5 x Zoom	2x Fixed 5 x Zoom	2x Fixed 5 x Zoom	2x Fixed 5 x Zoom	2x Fixed 5 x Zoom	2 x Fixed 9 x Zoom	2 x Fixed 9 x Zoom	2 x Fixed 9 x Zoom	2 x Fixed 9 x Zoom
Lens range	0.73:1 - 4.0:1	0.73:1 - 4.0:1	0.73:1 - 4.0:1	0.84:1 - 4.00:1	0.77:1 - 2.91:1	0.78:1 - 8.74:1	0.76:1 - 8.26:1	0.76:1 - 8.26:1	0.77:1 - 6.76:1	0.77:1 - 6.76:1	0.77:1 - 6.76:1	0.77:1 - 6.76:1	0.67:1 - 11.2:1	0.67:1 - 11.2:1	0.67:1 - 11.2:1	0.67:1 - 11.2:1
Weight (projector only)	13 kg	13 kg	15 kg	28.6 kg	8.6 kg	20.5 kg	20 kg	24 kg	20 kg	33 kg	33 kg	45 kg	39 kg	39 kg	39 kg	39 kg
Power Requirements	100-240 VAC	100-240 VAC	100-240 VAC	100-240 VAC	100-240V AC	100-240VAC	100-240VAC	100-240VAC	100-240 VAC	90 - 240VAC	90 - 240VAC	200 - 240VAC	100-240VAC	220VAC	220VAC	200-240VAC
Dimensions (mm)	L: 440.00, W: 508.00, H: 182.00	L: 440.00, W: 508.00, H: 182.00	L: 418.00, W: 447.00, H: 182.00	L: 632.00, W: 500.00, H: 240.00	L: 34.4 cm W: 43.1 cm H: 18.1 cm	L: 55300, W: 40400 H: 220.00	L: 520.00 W: 504.00 H: 197.00	L: 510.00 W: 541.00 H: 231.00	L: 512.00 W: 499.00 H: 219.00	L: 665.00 W: 500.00 H: 220.00	L: 665.00 W: 500.00 H: 220.00	L: 670.00 W: 552.00 H: 290.00	L: 688.00, W: 585.00, H: 258.00	L: 646.00, W: 569.00, H: 253.00	L: 688.00, W: 585.00, H: 258.00	L: 688.00, W: 585.00, H: 258.00

* Please note, the above is an overview of our range and the projectors carry more features than listed.
Please visit our website for a full spec sheet of each model in the range. Specifications subject to change without notice.



TITAN projectors at the Burj Khalifa, Dubai
Image Courtesy Steve Miranda photography



Building Mapping with TITAN Super Quad projectors at Nürtingen in Germany

Powerful, Efficient, Responsible - Green Technology



Environmentally friendly products have risen to the forefront of the consumer and business conscience over the last year. For Digital Projection, efficient design has been a cornerstone of their development philosophy for more than a decade. As a result, Digital Projections precision displays possess technologies that promote efficiency and extend useful life, while limiting cost of ownership, energy consumption, heat generation and operating noise. Depending on the projector model, up to three primary design principles contribute to the CoolTek™ benefits:

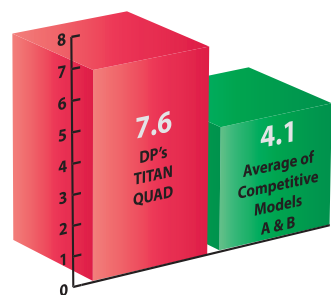
CoolTek™ Principle 1: Minimum Wattage In, Maximum Lumens Out.

CoolTek™ Principle 2: Design thermal management systems to maximize component life while minimising heat generation, cost of ownership and projector noise levels.

Cooltek™ Principle 3: Products must be small, light and as quiet as possible, reducing the projectors' impact on their immediate environment.

TITAN Quad vs Competitors A & B*

Lumens per Watt



ColorMax Factory Calibration



Full control over the primary and secondary colours as well as the white point ensures exact colour matching across a multi display array.

Where multiple projectors are used, slight tolerance differences can occur between projectors.

Projector One	Projector Two	Projector One	Projector Two
Projector Three	Projector Four	Projector Three	Projector Four

Traditional single point colour balancing allows whites to be matched

Traditional single point colour adjustments do not allow colours to be matched

Projector One	Projector Two
Projector Three	Projector Four

ColorMax™ colour allows the matching of the white and the primary colours of the projector to form one complete even shade of colour across each of the segments of the tiled image

Projectors for Every Venue Imaginable

The Digital Projection commitment to developing powerful, efficient and responsible products is exemplified throughout the projector range, by delivering maximum lumen output with minimal energy consumption. Attention to detail, in all design stages and through production, assures amazing projected images, day after day, show after show.

Below are some of the applications where clients demand Digital Projection:

Staging & Events

Major Staged Events
Commercial Entertainment
Casino Sports Books & Hotel
Entertainment Venues
Theatrical Productions

Simulation & Visualisation

Immersive Civil & Military Simulation
3D Visualisation
Scientific & Engineering Visualisation
Medical Imaging
Government & Private Sector
Command and Control

Broadcasting

Broadcast Entertainment & News Sets
Film Screening & Post-Production
Television Post-Production

Commercial Installations

Museums & Cultural Centers
Digital Media & Advertising
Retail Imaging
Trade Show Exhibits
Religious Venues
Education
Conference Venues
Lecture Halls & Auditoriums

Cinema

Digital Cinema
Film Festivals
E-Cinema & Cinema Advertising
Home Cinema



* Competitive data based on spec sheets posted to competitors web sites on 6/15/11

(1) Operational hours per year based on 4 hours/day, 260 days per year for a total of 1,040 hours per year

(2) 2007 Average Cost of Residential and Commercial Electricity in the US from: Energy Information Administration: http://www.eia.doe.gov/cneaf/electricity/epm/table5_6_b.html

(3) Formula converting Electricity to CO2 from: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>

(4) The average car consumes 586 gallons of gas per year. Formula converting CO2 to Gasoline from: <http://www.epa.gov/cleanenergy/energy-resources/refs.html>

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The DLP Pioneers



Digital Projection has pioneered the development of high end projection systems for over 20 years. The company is synonymous with the development of DLP projection technology, and today markets best-in-class devices into a range of applications from the auditorium to the boardroom, from F1 simulators to the best on- stage entertainment and home cinema.

Originally part of the Rank Organisation, Digital Projection teamed up with Texas Instruments in the late 1980s to pioneer the development of this technology, which led to the development of the DLP projection market, a market that is thriving today.

Digital Projection won two Emmy® awards for Outstanding Achievement in Engineering Development Excellence by the Academy of Television Arts and Sciences. Displays by Digital Projection are the first and only projectors to win these coveted awards.

Notes:

Special Thanks to our customers who envision and create amazing applications around the world. The photos in this brochure pay testament to the quality of their work and the magnitude of their projects.

Front Cover Images (L-R): Michael Garrison Associates | K2imaging - Corporate Event | Global Wave Integration | Back Cover image: Applied Visual Communications (AVC)
Page 4: High Def Zone | Page 5: (Top to Bottom) Monterey Bay Aquarium | AV Awakenings | Prestwood Baptist Church | London Underground