

# Beyond Visual Communication



COLLABORATION SOLUTIONS



DIGITAL SIGNAGE



PROJECTORS



DISPLAY SOLUTIONS



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# Visualization and Collaboration



## Visual Display and Presentation Solutions

Vivitek, a brand of Delta, is a leading manufacturer of visual display and presentation solutions. The company's extensive lineup of award-winning digital projectors, collaboration solutions and digital signage devices incorporate the latest innovations and technologies to deliver superior products.

Vivitek has global sales and marketing operations in Europe, the Middle East, Africa, Asia and the Americas, and is renowned for providing the industry's best warranties and innovative solutions.

Delta, founded in 1971, is a global provider of power and thermal management solutions and a major player in several product segments such as industrial automation, displays, and networking. Its mission statement, "To provide innovative, clean and energy-efficient solutions for a better tomorrow," focuses on addressing key environmental issues such as global climate

change. As an energy-saving solutions provider with core competencies in power electronics and innovative research and development, Delta's business domains include Power Electronics, Automation, and Infrastructure. Delta has 169 sales offices, 69 R&D centres and 37 manufacturing facilities worldwide.

Delta is a frequent recipient of international awards and related recognition for innovation, design, and corporate social responsibility.

Since 2011, Delta has been selected each year for the prestigious Dow Jones Sustainability™ World Index (DJSI World). In 2019 we were also included in the DJSI Emerging Markets Index for the 7th consecutive year. Delta was ranked by CDP (formerly the Climate Disclosure Project) at the Climate Change Leadership Level.



# Projection and Display Solutions for Every Application and Budget

Throughout the years, Vivitek has come to understand the unique challenges of every market and applies that knowledge into products designed to excel in a wide variety of environments.



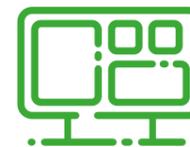
## PROJECTORS

Years of successful product and technology innovations have resulted in high quality and unique products for a variety of users' needs, ranging from large venue, business, education and home entertainment.



## COLLABORATION SOLUTIONS

NovoConnect Add-On and All-in-One devices allow participants to wireless share content from any device to a big screen. Engage, interact and enhance productivity, easily. Transform meeting rooms and classrooms effortlessly into true collaborative spaces.



## DIGITAL SIGNAGE

NovoDS digital signage is a very affordable and easy to manage solution that is ideal for creating dynamic visual displays for corporate and public spaces.



## VIDEO WALL SOLUTIONS

Vivitek's parent company Delta, offers a wide selection of off-the-shelf visualization products and control systems designed to deliver optimal performance, reliability, and energy efficiency across a variety of indoor, outdoor, public and commercial applications.



# Markets Vivitek Serves



## LARGE VENUE

Museums are unique places for blending education and entertainment for audiences that are increasingly difficult to engage with. The 110-year-old Houston Museum of Natural Science, uses laser projection for mapping to keep its exhibits stimulating



## EDUCATION

From the classroom to the university lecture hall, Vivitek projectors help teachers capture the attention of their students, convey information and guide collaborative discussions. The interactive projectors and collaboration solutions are the perfect motivator for enthusiastic student participation.



## CORPORATION

Optimized to meet the technical and space challenges of corporate environments, Vivitek's display and collaboration solutions aim to coordinate teams and ensure effective collaboration. From small brainstorming sessions to board meetings, NovoConnect - in combination with Vivitek's projectors - offers an effective way to collaborate.



## HOME ENTERTAINMENT

Vivitek's home cinema projectors can be integrated seamlessly into any home cinema infrastructure. They are the perfect solution for creating an authentic cinematic experience in a living room or dedicated home cinema space.



## DISPLAY SOLUTIONS

In an era of digital information and high-end display solutions, there are a vast number of applications to cater for. The wide range of display technologies for digital signage as well as control room solutions provides a choice of standard and custom arrangements, including controllers and software.



# PROJECTORS

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- Large Venue & Mapping
- Conference and Meeting Rooms
- Home Entertainment
- Education

# Large Venue & Mapping



China Basketball Open Competition

With customers' diverse application requirements in mind, Vivitek strives to address their unique needs with a broad range of display technologies and projectors.

Vivitek projectors captivate the audience in venues where the show can't be disturbed and where reliability and low noise levels are key. Unprecedented image clarity and brightness - and built for intensive use with low cost of ownership - Vivitek's projectors provide venues with a highly reliable and interactive experience.



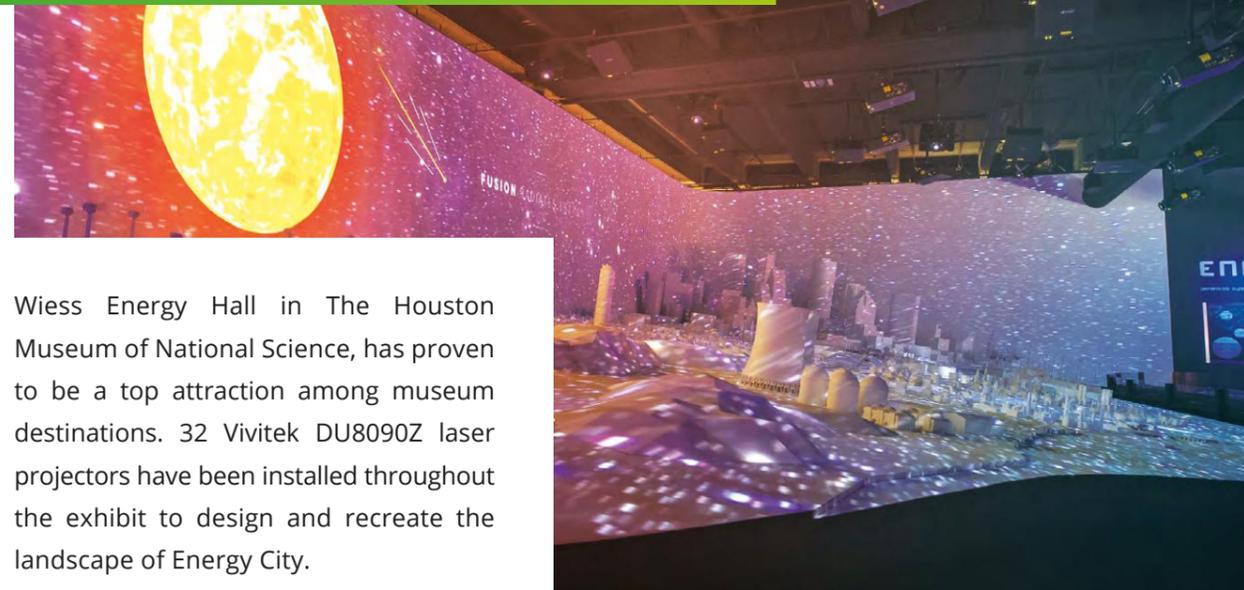
Naxi Culture Experience Museum



Hancheng Light Festival



## Energy City Exhibit with Vivitek Projectors Energizes 110-Year-Old Houston Museum of Natural Science



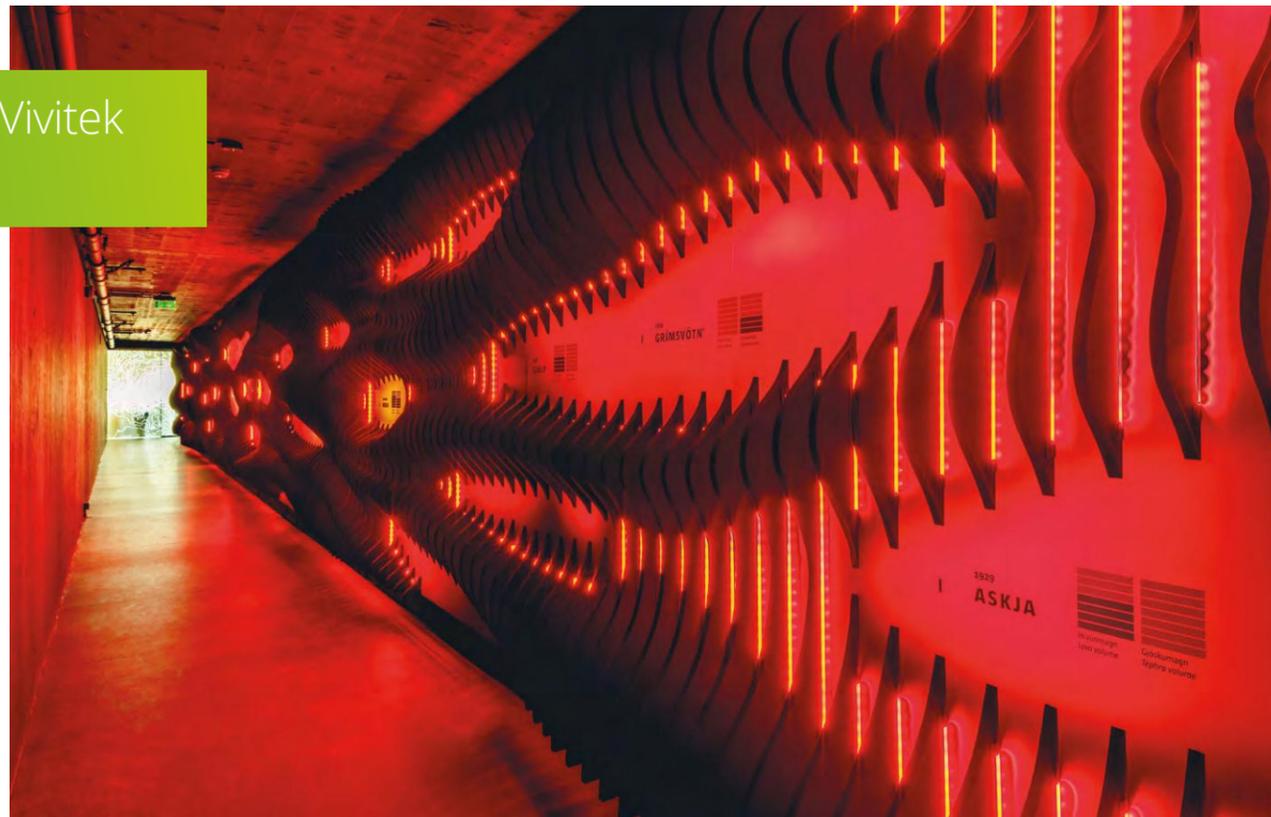
Wiess Energy Hall in The Houston Museum of National Science, has proven to be a top attraction among museum destinations. 32 Vivitek DU8090Z laser projectors have been installed throughout the exhibit to design and recreate the landscape of Energy City.



## Roman Barcelona Comes to Life Using Vivitek Projectors

## Iceland's Lava Centre uses Vivitek Powerful Projection Forces

Lava Centre is an interactive, high-tech educational exhibition depicting volcanic activity and earthquakes. Using 15 Vivitek laser projectors and a wide range of lenses, the Lava Centre ensures visitors enjoy an unforgettable and realistic volcanic experience.



Vivitek's high brightness and versatile projectors combined with great flair and imagination were the key to Ignis Fatuus during the annual light festival in Barcelona. For a demanding light outdoor installation designed to remember the Roman history of the city, eight edge-blending projectors were used. The projected image created dramatic effects to evoke the historical Roman themes.



Vivitek DU9800Z



Laser

Vivitek's laser series includes high performance projectors that can be relied on to create an unforgettable and realistic experience, while providing reliability, durability and ease of use. Laser projectors are capable of maintaining brightness and colour consistency over long periods of use, making them an excellent long-term proposition. Flexible to use, with high brightness and low total cost of ownership, laser projectors have quickly become the optimal projection choice for a diverse range of applications



Robust Anti-Dust Sealed Optical Engine Design

The projector's reliability is ensured thanks to its air-tight, sealed, optical engine which eliminates negative dust impact and increases light efficiency. Air-tightness prevents tiny dust particles from getting into the optical engine. Thanks to this, dust is not able to interfere with the DMD chip, which makes the projector much more robust. A further advantage is the improved light efficiency, as the light path to the DMD is not affected by dust particles and a higher brightness level is also ensured.



Constant Brightness Feature

The projectors are equipped with smart sensors, constantly measuring the light output and adjusting the illumination accordingly to maintain consistent brightness at a predefined level. This helps to reduce the recalibration cycle of edge blending the projectors.



Large Venue & Mapping



**DU9800Z Series**  
18,000 Lumen  
WUXGA



**DU8000Z Series**  
8,000 – 13,500 Lumen  
WUXGA



**DK10000Z Series**  
10,000 Lumen  
4K-UHD

TARGET	Large Venue & Mapping Applications	
	Museum, Auditorium or Large Room	
DURABILITY	Long-lasting Laser Light Source for Constant Brightness Level and Color Performance for Up to 20,000 hours Maintenance Free Operations	
	Anti-Dust Sealed Optical Engine	
	Liquid Cooling System & Superior Thermal Technology and Performance	
FLEXIBILITY	5 Optional Lenses	8 Optional Lenses
	Motorized Lens shift & Zoom & Lens Position Memory	
	Image Adjustment – Geometry & Vertical and Horizontal Keystones & 4-Corner Correction	
	Built-In Multi-Screen Edge-Blending and Warping Features	
	3G-SDI & HDBaseT for Long Signal Transmission without Compromise	
FEATURES	Customizable Brightness Level & Constant Brightness Function to Reduce Re-Calibration	
	DICOM Simulation Mode for Medical Training and Seminars	
	Picture-in-Picture Function for Multi Source Display	
	Eco Friendly Auto-Power-Off When There Is No Signal Input	
RANGE	Special Rental Usage Lock	
	<ul style="list-style-type: none"> <li>Vivitek's flagship projectors. The first super high brightness laser projectors with Single-Chip DLP</li> <li>Special rental partner feature to customize and lock brightness level during the rental period</li> </ul>	<ul style="list-style-type: none"> <li>Laser projector range from 8,000 to 13,500 lumen, covering different needs of installation projects</li> <li>Proven outstanding light efficiency and performance</li> </ul>
	<ul style="list-style-type: none"> <li>DU9800Z : 18,000 lumen</li> </ul>	<ul style="list-style-type: none"> <li>DU8195Z: 13,500 lumen</li> <li>DU8190Z: 10,000 lumen</li> <li>DU8090Z: 8,000 lumen</li> </ul>

# Conference & Meeting Rooms

With a diverse projector line up, Vivitek serves conference rooms to large venues. Reliable and feature-rich projectors amplify presentations with impactful and clearly defined visuals.



## How to Choose the Right Projector for the Meeting?



Choosing a new projector can be a complicated process. To narrow down what may seem like an impossibly long list of options, here are four aspects to consider while selecting a meeting room projector.



**Size**

Projectors are available in a variety of sizes, ranging from large, high-end units to small portable ones. If you plan on installing the device in a conference room, consider larger ceiling-mounted equipment. The interior design and ceiling height of the meeting room are also factors to think about. A compact sized projector has a small footprint and is ideally suited for use in meetings and classrooms where saving space is at a premium.



**Resolution**

Our broad range of projectors is available in a variety of resolutions, from XGA to WXGA, to 1080p, WUXGA and 4K-UHD. It's best to start by thinking about how the projector will be used. Larger screens and video content are better suited to 1080p projectors, while 4K-UHD projectors are designed for very large screens or graphically-intense multimedia content.



**Brightness**

The brightness you need depends entirely on where you intend to use the projector. For regular use in a mid-sized meeting room, consider looking at least 4,000 to 6,000 lumens, or even higher for spaces receiving more natural light.



**Connectivity**

Don't forget to consider what kind of computer, mobile device or media source will be used and how to connect it to the projector. If you anticipate the need to connect the projector to a range of different devices, think about adding Wireless Collaboration solutions that enable such an operation.

Meeting Room & Installation



**D6600Z Series**  
7,000 Lumen  
WUXGA



**D7000Z Series**  
7,000 – 9,000 Lumen  
WUXGA



**D5600 Series**  
6,200 Lumen  
WUXGA



**D4000Z Series**  
5,000 – 5,500 Lumen  
WUXGA, 1080p



**D3300 Series**  
5,000 – 5,500 Lumen  
WUXGA, 1080p



**D3600Z Series**  
4,500 Lumen  
WUXGA, 1080p

TARGET	Corporate Meeting Room Installation					
	Mid to Large Meeting Room			Mid-Size Room		Small-Size Room
DURABILITY	Laser Light Source	Laser Light Source	Single-Lamp	Laser Light Source	Single-Lamp	Laser Light Source
	Anti-Dust Sealed Optical Engine					
	Optional Lens			Fixed Lens		
FLEXIBILITY	Motorized Lens Shift & Zoom	Manual Lens Shift & Zoom				
	Image Adjustment - Horizontal and Vertical Keystones & 4-Corner Correction					
	HDBaseT for long cabling installation			Short Throw		
FEATURES	Compatible with NovoConnect Solution for Wireless Presentation and Collaboration					
	DICOM Simulation Mode for Medical Training and Seminars					
	Eco Friendly Auto-Power-Off When There Is No Signal Input					
	Built-in Speaker to Ensure Your Message Is Well Delivered					
RANGE	<ul style="list-style-type: none"> <li>Advanced thermal performance</li> <li>Super silent laser installation projector at only 32dB normal mode</li> </ul>	<ul style="list-style-type: none"> <li>Ideal laser projector designed for office spaces, comes in white and black chassis</li> <li>Rec.709 color space for true-to-life color reproduction</li> </ul>	<ul style="list-style-type: none"> <li>First choice as interchangeable-lens lamp projector to fit different installation distance</li> </ul>	<ul style="list-style-type: none"> <li>Compact sized laser projector with fixed lens at 1.15-1.90 throw ratio, covering major mid sized meeting room set up</li> <li>Short throw laser model for museum and gallery application</li> </ul>	<ul style="list-style-type: none"> <li>Compact lamp projector with fixed lens at 1.25 - 2.13 throw ratio to fulfill standard mid sized meeting room</li> </ul>	<ul style="list-style-type: none"> <li>Small footprint laser projector to fit in to huddle room</li> <li>NovoProjector with built-in NovoConnect Solution for All-in-One wireless presentation &amp; collaboration solution</li> </ul>
	<ul style="list-style-type: none"> <li>DU6693Z-BK</li> <li>DU6693Z-WH</li> </ul>	<ul style="list-style-type: none"> <li>DU7295Z</li> <li>DU7098Z</li> </ul>	<ul style="list-style-type: none"> <li>DU5671</li> </ul>	<ul style="list-style-type: none"> <li>DU4371Z-ST</li> <li>DU4771Z</li> <li>DH4661Z</li> </ul>	<ul style="list-style-type: none"> <li>DU3341</li> <li>DH3331</li> </ul>	<ul style="list-style-type: none"> <li>DH3665ZN</li> <li>DU3661Z</li> <li>DH3660Z</li> </ul>

Compact & Multi-Purpose



**D700Z Series**  
4,000 Lumen  
1080p

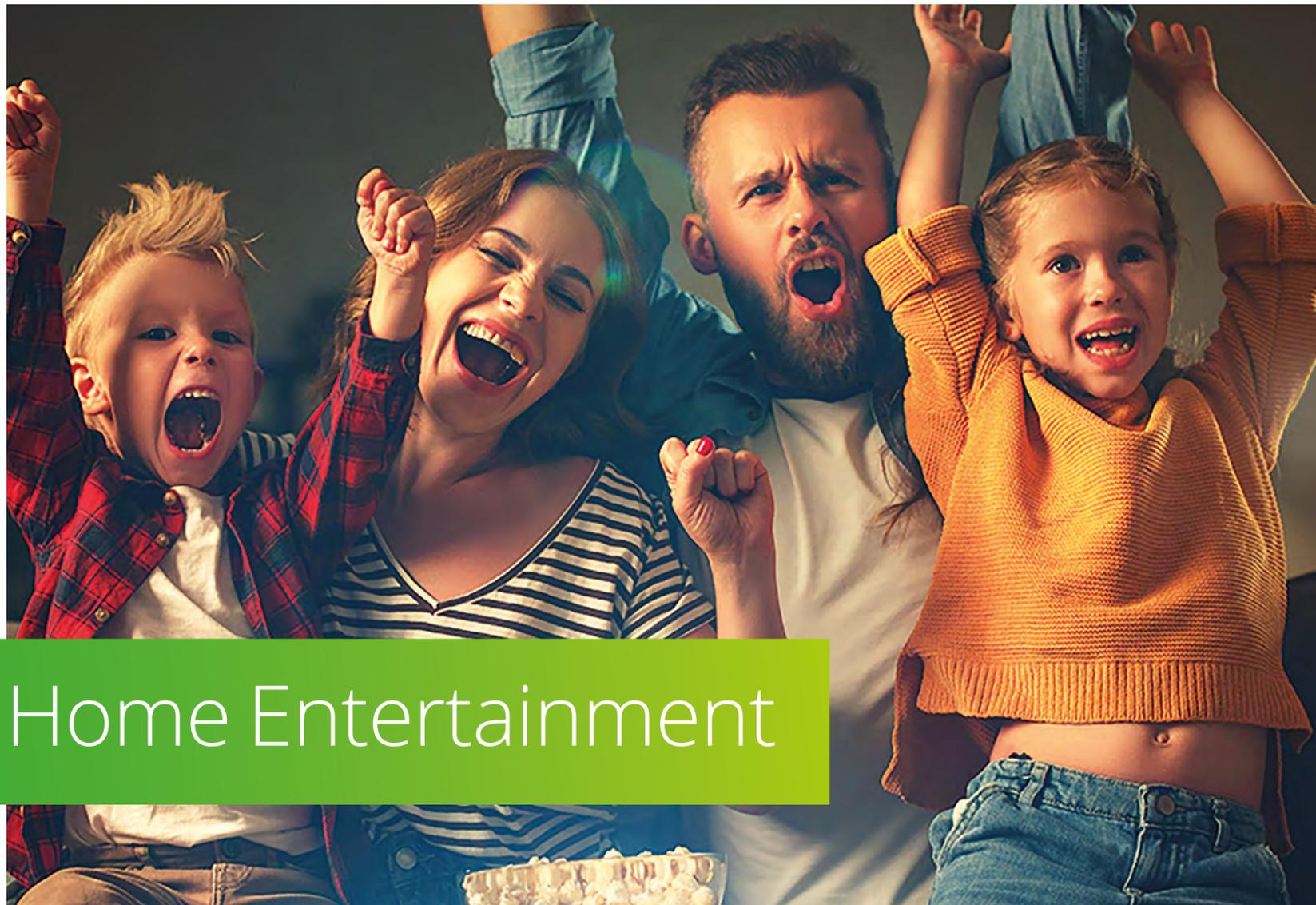


**D800 Series**  
4,500 – 5,000 Lumen  
WUXGA, 1080p, XGA



**D200 Series**  
3,200 – 3,500 Lumen  
1080p, WXGA, XGA

TARGET & TECHNOLOGY	Lobby & Museum	Multi-Purpose
	Small to Mid-Size Room	
FLEXIBILITY	Laser Light Source	Single-Lamp
	Ultra Short Throw Lens 0.25:1	Normal Throw Lens
FEATURES	Image Adjustment - Horizontal and Vertical Keystones & 4-Corner Correction	Image Adjustment - Vertical Keystone
	LAN	
	Compatible with NovoConnect Solution for Wireless Presentation and Collaboration	
RANGE	<ul style="list-style-type: none"> <li>Impressive ultra short throw lens with screen size of 80" up to 150" at 41cm distance</li> <li>Ideal for projecting large image from a limited space</li> </ul>	<ul style="list-style-type: none"> <li>Small form factor ideal to blend in to the office space white ceiling in a standard small sized meeting room</li> <li>Built-in 10W speaker to delivery message to the audience</li> <li>NovoProjector with built-in NovoConnect Solution for All-in-One wireless presentation &amp; collaboration solution</li> </ul>
	<ul style="list-style-type: none"> <li>DH765Z</li> </ul>	<ul style="list-style-type: none"> <li>DH858N</li> <li>DU857</li> <li>DH833</li> <li>DW832</li> </ul>



# Home Entertainment



Vivitek offers professional projectors specifically designed for an immersive home entertainment experience. Our projectors feature the latest innovations in projection technology, making Vivitek a brand of choice for home theater enthusiasts.

## Home Entertainment



**H1188**  
2,000 Lumen  
1080p



**HK2200**  
2,000 Lumen  
4K-UHD

TARGET	Home Entertainment	
	Ideal for Large and Vivid Projection to Enjoy Your Favorite Movies and Shows	
FLEXIBILITY	Manual Lens Shift for Easy Placement	
	Quick Image Adjustment with Vertical Keystone Correction	
	12v Trigger to Link with Other Equipments	
FEATURES	Convenient Built-in 10W Speaker	Convenient Built-in 5W Speaker and S/PDIF Interface
	Advanced Visual Enhancement for an Optimal Viewing Experience	
	HDR Augments Clarity and Distinguished Visuals	
	Motion Enhancement with VividMotion Frame Interpolation Function Reducing Motion Judder to Create a Fluid and Flawless Video	
	Sharpness Enhancement with VividPeak Function Improving Edges and Clarifying the Texture and Appearance to Create Fine Details	
	True-to-Life Colour Accuracy with Rec.709 Colour Gamut and Perfect Colour Reproduction	
	Customize the Color to Your Taste with Advanced Color Management	
	Wireless Screen Mirroring	
	Multimedia Reader from a USB Drive	
	Compact Sized to Perfectly Fit into Your Living Room	
Sealed Optical Engine to Minimize the Impact of Dust		



## Ultimate Portability with Qumi



Qumi is a feature-rich, multimedia pocket projector series that's ultralight and has a slender profile. For business travellers and home entertainment lovers, it is the ideal portable companion.



### Home Cinema

Qumi is a perfect solution for those who wish to create a home cinema but without the cost, complexity or the permanent presence of having a large TV installed. It's suited to rooms and spaces of all sizes.



### Entertainment and Gaming

Enjoy time spent with friends and family with Qumi series - experience the big screen, share pictures, watch movies or play games without compromise.



### Business

With Qumi, business on-the-go is possible thanks to its high quality performance. It is also very easy to set up for presentations in any meeting space





Projector on the Go



**Qumi Q8**  
1,000 Lumen  
1080p (1920 x 1080)



**Qumi Q6**  
800 Lumen  
WXGA (1280 x 800)



**Qumi Z1H**  
300 Lumen  
720p (1280 x 720)



**Qumi Z1V**  
250 Lumen  
480p (854 x 480)

TECHNOLOGY	LED Light Source for 30,000 Hours Operation			
	up to 120"	up to 90"	up to 100"	up to 75"
FEATURES	PC-Free Multimedia Player			
	PC-Free Document Viewer			
	Built-In Memory			
	Speaker 2W x 1		Bluetooth Speakers 5W x 2	
	Speaker-Only Mode			
	HDMI Display			
	MHL Display		USB-C Display	
	Built-In Wifi Connection			
	Screen Mirroring			
				Android
Optional Battery		Embedded Battery, 2 Hours Video, 6 Hours Audio		
EASY SET UP	Auto Vertical Keystone Correction			
	Horizontal Keystone Correction			
	Tripod Support			

# Education



From the classroom to the university lecture hall, Vivitek projectors help teachers capture students' attention, convey information and guide collaborative discussions. The interactive projectors provide the perfect motivator for effective participation.

Vivitek's line of interactive projectors enable teachers to easily interact with students, using pen or finger-touch capabilities to enhance the learning experience.

## Education Warranty Program



Investing in projection equipment is an important decision. With an industry-leading 5 years warranty program for all education EMEA region institutions, our projectors are recognized for quality, performance and reliability. For more information visit: <http://www.vivitek.eu/support/warranty/>

## Education Projectors



**D770 Series**  
3,500 Lumen  
1080p, WXGA



**D800ST Series**  
3,300 - 3,600 Lumen  
WXGA, XGA

TARGET & TECHNOLOGY	Education	
	Small to Mid-Size Classroom	
	Single-Lamp	
FLEXIBILITY	Ultra Short Throw Lens to Make 100-inch Screen at Only 44cm Away	Short Throw Lens
	Image Adjustment - Vertical Keystone	
	Network Ready for Integration and System Administration via LAN	
	Choice of Built-In Interactivity with Pens or Fingers	
FEATURES	Compatible with NovoConnect Solution for Wireless Presentation and Collaboration	
	Eco Friendly Auto-Power-Off When There Is No Signal Input	
	Loud Speakers and Microphone Input Ensure You Are Clearly Heard	
	5-Year-Education-Warranty	
RANGE	<ul style="list-style-type: none"> <li>Long lasting life with up to 6,000/12,000 hours lamp-life for low total cost of ownership</li> <li>The latest dual HDMI 2.0</li> <li>Infrared interactivity at higher frequency to reduce signal interference</li> </ul>	<ul style="list-style-type: none"> <li>Short throw ratio at 0.52:1 and 0.62:1, making 100" screen at around 1 meter more distance</li> <li>Light weighted at just 3.2kg for easy portability</li> </ul>
	<ul style="list-style-type: none"> <li>DH773USTi</li> <li>DH772UST</li> <li>DW771USTi</li> <li>DW770UST</li> </ul>	<ul style="list-style-type: none"> <li>DW882ST</li> <li>DX881ST</li> </ul>



Vivitek **D755WTIR**

# Lenses

## DU9800Z Projector Optional Motorised Lenses



Lens Type	Ultra Wide Throw	Wide Throw	Standard	Long Throw 1	Long Throw 2
<b>Model</b>	D98-0810	D98-1215	D98-1520	D98-2040	D98-4070
<b>Focus / Zoom Type</b>	Motorized	Motorized	Motorized	Motorized	Motorized
<b>Zoom</b>	1.22x	1.3x	1.33x	2.0x	1.7x
<b>F Number</b>	1.8 - 1.95	2.18 - 2.66	2.17 - 2.65	2.17 - 2.64	2.20 - 2.57
<b>Focal Length (f)</b>	17.95 - 21.93 mm	25.69 - 33.22 mm	31.9 - 42.2 mm	42.6 - 84.8 mm	83.93 - 146.85 mm
<b>Throw Ratio</b>	0.84 - 1.03:1	1.25 - 1.56:1	1.50 - 2.00:1	2.00 - 4.00:1	4.00 - 7.00:1
<b>Image Size</b>	<b>WUXGA</b> 40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"
<b>Projection Distance</b>	0.7 - 11.44 m	0.95 - 17.47 m	1.24 - 21.84 m	2.65 - 41.77 m	4.38 - 74.51 m
<b>Order Number</b>	3797805500-SVK	3797859900-SVK	3797886100-SVK	3797893200-SVK	3797858100-SVK

## D8000 & D6000 Series Optional Motorised Lenses



Lens Type	Ultra Short Throw	Ultra Wide Zoom	Wide Fix	Wide Zoom	Standard	Semi Long Zoom	Long Zoom 1	Long Zoom 2
<b>Model</b>	D88-UST01B	D88-UWZ01	D88-WF18501	D88-WZ01	D88-ST001	D88-SMLZ01	D88-LOZ101	D88-LOZ201
<b>Focus / Zoom Type</b>	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized	Motorized
<b>Zoom</b>	Fixed zoom 1x	1.25x	Fixed zoom	1.41x	1.3x	1.65x	1.5x	1.55x
<b>F Number</b>	2.0	1.96 - 2.3	1.85	1.85 - 2.5	1.7-1.9	1.86-2.48	1.85-2.41	1.85-2.48
<b>Focal Length (f)</b>	5.64 mm	11.3 - 14.1 mm	11.6 mm	18.7 - 26.5 mm	26 - 34 mm	32.9 - 54.2 mm	52.8 - 79.1 mm	78.5 - 121.9 mm
<b>Throw Ratio</b>	<b>WUXGA</b>	0.38:1	0.75 - 0.93:1	0.76:1	1.25 - 1.79:1	1.73 - 2.27:1	2.22 - 3.67:1	3.58 - 5.38:1
	<b>WXGA</b>	0.40:1	0.78 - 0.99:1	0.8:1	1.31 - 1.87:1	1.81 - 2.38:1	2.33 - 3.86:1	3.76 - 5.64:1
	<b>XGA</b>	0.39:1	0.77 - 0.97:1	0.79:1	1.3 - 1.85:1	1.79 - 2.35:1	2.3 - 3.81:1	3.71 - 5.57:1
<b>Image Size</b>	<b>WUXGA</b>	100" - 350"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"
	<b>WXGA</b>	100" - 350"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"
	<b>XGA</b>	100" - 350"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"	40" - 500"
<b>Projection Distance</b>	<b>WUXGA</b>	0.85 - 2.74 m	0.62 - 10.36 m	0.64 - 8.50 m	1.05 - 19.59 m	1.45 - 24.85 m	1.87 - 40.33 m	3.01 - 59.02 m
	<b>WXGA</b>	0.89 - 2.87 m	0.65 - 10.91 m	0.67 - 8.92 m	1.11 - 20.58 m	1.53 - 26.11 m	1.97 - 42.35 m	3.17 - 61.97 m
	<b>XGA</b>	0.83 - 2.68 m	0.61 - 10.16 m	0.62 - 8.31 m	1.03 - 19.14 m	1.42 - 24.28 m	1.83 - 39.42 m	2.94 - 57.69 m
<b>Order Number</b>	3797866500-SVK	3797804200-SVK	3797745100-SVK	3797745200-SVK	3797744200-SVK	3797745000-SVK	3797745400-SVK	3797744900-SVK

## D7000 & D5000 Series Optional Manual Lenses



Lens Type	Wide Fix	Wide Throw Zoom	Short Throw	Semi Short Throw	Standard	Standard	Long Throw 1	Long Throw 2
<b>Model</b>	VL904C / LNS-5FX2	VL911G / LNS-5WZ2	VL907G / LNS-5STZ	VL912G / LNS-5SZ12	VL901G / LNS-5SZ1	VL906G / LNS-7SZ1	VL908G / LNS-5LZ1	VL909G / LNS-5LZ2
<b>Focus / Zoom Type</b>	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
<b>Zoom</b>	Fixed Zoom 1x	1.42x	1.18x	1.28x	1.25x	1.25x	1.5x	1.67x
<b>F Number</b>	2.5	2.1 - 2.6	2.05 - 2.27	2.0 - 2.44	2.46 - 2.56	2.0 - 2.09	2.5 - 3.1	2.2 - 2.5
<b>Focal Length (f)</b>	11.46 mm	11.45 - 16.32 mm	16.64 - 19.54 mm	18.65 - 23.85 mm	22.8 - 28.5 mm	22.8 - 28.5 mm	28.5 - 42.75 mm	44.5 - 74.19 mm
<b>Throw Ratio</b>	<b>WUXGA</b>	0.78:1	0.77 - 1.10:1	1.10 - 1.30:1	1.25 - 1.60:1	1.54 - 1.93:1	1.54 - 1.93:1	1.93 - 2.89:1
	<b>1080p</b>	0.78:1	0.77 - 1.10:1	1.10 - 1.30:1	1.25 - 1.60:1	1.54 - 1.93:1	NA	1.93 - 2.89:1
	<b>WXGA</b>	0.82:1	0.81 - 1.15:1	1.15 - 1.36:1	1.31 - 1.68:1	1.62 - 2.03:1	NA	2.03 - 3.05:1
<b>Image Size</b>	<b>WUXGA</b>	48" - 298"	43" - 300"	36" - 379"	39" - 300"	37" - 300"	37" - 211"	33" - 481"
	<b>1080p</b>	47" - 290"	42" - 292"	35" - 369"	39" - 291"	36" - 300"	NA	32" - 468"
	<b>WXGA</b>	46" - 283"	41" - 285"	35" - 361"	38" - 285"	35" - 300"	NA	31" - 457"
<b>Projection Distance</b>	<b>WUXGA</b>	0.8 - 5 m	1 - 5 m	1 - 9 m	1.3 - 8 m	1.5 - 9.9 m	1.5 - 7 m	2 - 20 m
	<b>1080p</b>	0.8 - 5 m	1 - 5 m	1 - 9 m	1.3 - 8 m	1.5 - 10.2 m	NA	2 - 20 m
	<b>WXGA</b>	0.8 - 5 m	1 - 5 m	1 - 9 m	1.3 - 8 m	1.5 - 10.5 m	NA	2 - 20 m
<b>Order Number</b>	5811120818-SVV	5811122742-SVV	5811120054-SVV	5811122743-SVV	5811119236-SVV	5811120865-SVV	5811119237-SVV	5811120055-SVV

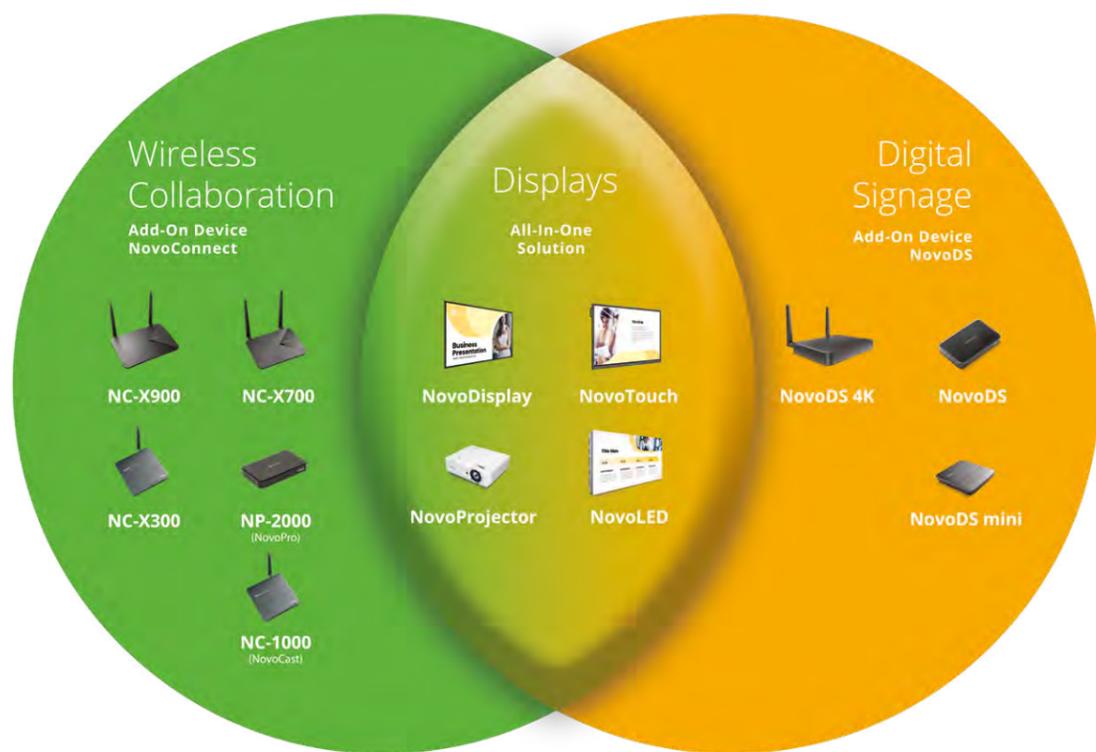




NOVO ECOSYSTEM  
SIMPLE.GUARANTEED.

# Novo Ecosystem Simple. Guaranteed.

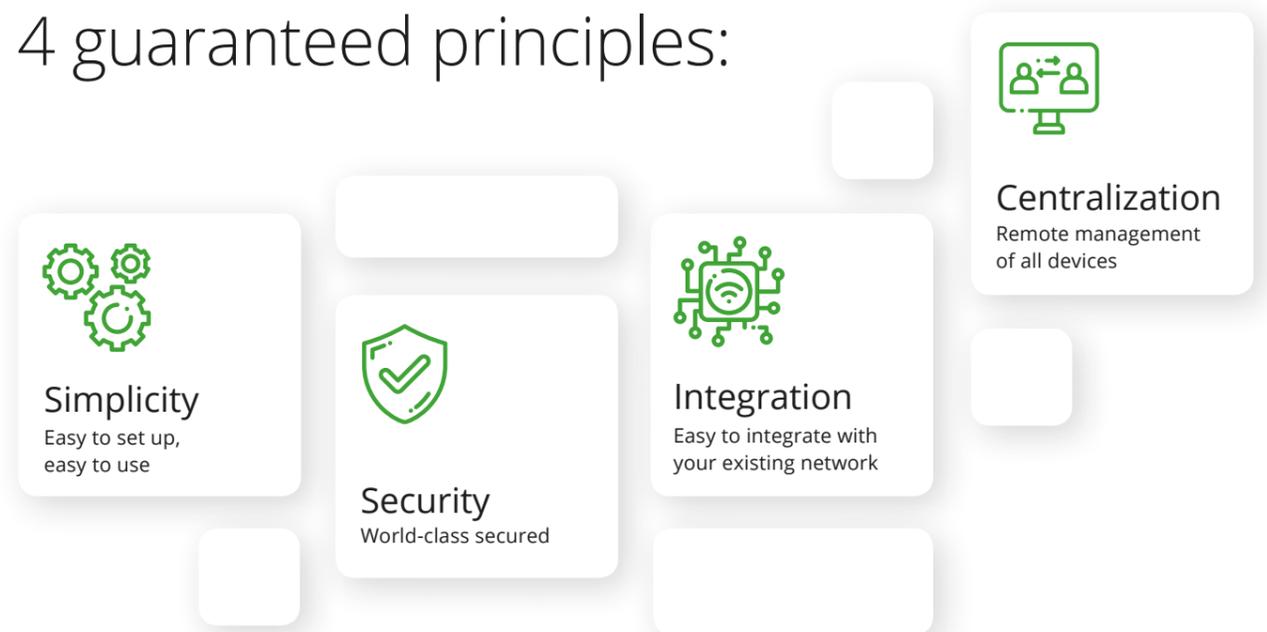
## Novo Ecosystem



In today's fast-paced world, information and ideas need to be shared effortlessly and decisions must be made quickly. With NovoConnect wireless presentation Ecosystem that works everywhere, it has never been easier. Share your screen, present the content to a wider audience and collaborate with your team at the same time. Make your meeting more dynamic and enhance interaction! Novo Ecosystem is designed

for large format display devices to effortlessly combine Wireless Collaboration and Digital Signage functionalities. It is a comprehensive product line dedicated for any type of visual communication – be it a meeting, digital signage or both! Perfect for business or education, the Novo Ecosystem is a flexible and scalable solution that will wow you with its convenience and ease of use. Simple. Guaranteed.

Vivitek Novo Ecosystem is designed to deliver Wireless Collaboration & Digital Signage based on 4 guaranteed principles:



Add-On Device NovoConnect	All-In-One Solution	NovoConnect Launcher	Add-On Device NovoDS
For those who already have a screen or a projector and wish to upgrade.  Extend your visual display in any room for wireless presentation and effective collaboration.	Enjoy a full range of display devices with integrated wireless collaboration and digital signage functionality.	Use the Plug-and-Play Launcher for guest and team members to instantly connect to the NovoConnect unit from a laptop.	An easy-to-use digital signage solution for sharing and managing content on any connected screen.  It delivers public announcements and is suitable for business, educational and public institutions of any kind.

### Products

NovoCast (Education) NC-X300 NC-X700 NC-X900	NovoProjector NovoDisplay NovoTouch NovoLED	LauncherPlus LauncherPlusC LauncherOne	NovoDSmini NovoDS NovoDS4K
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The most simple and secure way to realize Wireless Collaboration and Digital Signage throughout the company

**Boardroom**  
NC-X900 + Launcher  
NovoProjector

**Cafeteria**  
NovoDisplay

**Reception Greeting Area**  
NovoDisplay

**Executive Office**  
NovoTouch LK + Launcher

**Meeting Room**  
NC-X300 + Launcher

**IT Department**  
Integration, Centralization  
and Security of all devices

**Corridor Area**  
NovoLED



# Wireless Collaboration Features



## Show Your Screen

- Wirelessly share your computer screen on a larger screen, boost interaction and drive creative teamwork.
- Provide smooth discussion flow - dynamically switch between the presenters and mirror all types of devices to the bigger screen.
- Exchange and organize thoughts by using annotation or highlight function in real-time and display more than one screen at a time.



## Productivity

- Expand your meetings and reach a greater audience - with the NT Live function, you can create a real-time wireless screen duplication and stream multiple NovoConnect devices to the Hub.
- Quickly connect mobile devices using QR codes and the NovoConnect App.



## Easy Integration

- NovoConnect is designed for an easy installation. The compact-sized Add-On models can be effortlessly added to an existing screen or projector.
- A dual network capability provides integration with existing IT infrastructure via LAN or a WiFi connection for guest access.
- Forget about messy cables, multiple devices to connect together, installation hassles or high maintenance costs, and head toward the best investment choice there is.
- All the models can be managed with the Remote Manager software. The IT department can monitor all the devices centrally from their desk, without the need to physically reach the device to configure it.
- Free software upgrades and no license fee enable large scale implementation with no hidden costs.

Add-On Device



**NC-1000**  
NovoCast



**NC-X300**



**NP-2000**  
NovoPro



**NC-X700**



**NC-X900**

Key Features	NC-1000 NovoCast	NC-X300	NP-2000 NovoPro	NC-X700	NC-X900
<b>Key Features</b>	<ul style="list-style-type: none"> <li>Cost-effective BYOD solution</li> <li>Wireless content sharing to the big screen</li> <li>Moderation and preview modes</li> <li>Centralized management providing control over displayed content</li> </ul>	<ul style="list-style-type: none"> <li>Smartphone to the central screen</li> <li>Up to two screens side by side</li> <li>Cross-platform compatibility with Windows, macOS, Ubuntu, Android and iOS</li> <li>Remotely controllable via Remote Manager</li> <li>Free firmware upgrade over the air</li> <li>Dual network support with secure WiFi hotspot mode and integration into office network</li> <li>Comes with pre-paired LauncherPlus</li> </ul>	<ul style="list-style-type: none"> <li>Suitable for small and large meeting rooms or classrooms</li> <li>Sharing up to 4 screens simultaneously</li> <li>Wireless content sharing to the big screen</li> <li>Optional Launcher</li> </ul>	<ul style="list-style-type: none"> <li>4K-UHD display resolution</li> <li>Support smooth video playback</li> <li>High speed wireless communication</li> <li>Rich in connectivity</li> <li>Seamless switch between Wireless Collaboration and Digital Signage</li> </ul>	<ul style="list-style-type: none"> <li>4K-to-4K mirroring, Video, Photo, Doc.</li> <li>Miracast optimized for Win-10 computers for best stability</li> <li>Instant Mirroring (no software installation required)</li> <li>Broadcast your screen to multiple locations over the network</li> <li>Power-over-Ethernet (PoE) to simplify large-scale deployment</li> <li>Seamless switch between Wireless Collaboration and Digital Signage</li> </ul>
<b>Version</b>	Education	Corporate	Corporate / Education	Corporate / Education	Corporate / Education
<b>Wireless Collaboration</b>	•	•	•	•	•
<b>Digital Signage</b>				•	•
<b>Screen Mirroring</b>	iOS, GoogleCast	iOS, Google Cast	iOS, GoogleCast	Miracast- Win 10, iOS, Google Cast	Miracast-Win 10, iOS, Google Cast
<b>Split-View</b>	Quad Split-view	Dual Split-view	Quad Split-view	Quad Split-view	Quad Split-view
<b>Remote Manager</b>	•	•	•	•	•
<b>Over-the-Air Software Upgrade</b>	•	•	•	•	•
<b>Screen Duplication Over The Network</b>				1-way (NT Receiver)	2-way (NT Sender & Receiver)
<b>HDMI Input (1080p)</b>					•
<b>Power over Ethernet (PoE)</b>					•
<b>Display Resolution</b>	1080p	1080p	1080p	4K-UHD	4K-UHD
<b>Optional Launcher</b>		LauncherPlus, LauncherOne	•	LauncherPlus, LauncherOne	LauncherPlus, LauncherOne

All-in-One Solution



**NovoProjector**



**NovoDisplay**



**NovoTouch**



**NovoLED**

Key Benefits	MEETING ROOM PROJECTOR	IDEAL FOR HUDDLE ROOMS	INDUSTRY-FIRST COLLABORATION TOUCH PANEL	INNOVATIVE LED VIDEO WALL
<b>Key Benefits</b>	<ul style="list-style-type: none"> <li>High-brightness 4,500 lumens, bulb or laser light source</li> <li>Most cost-effective way to enjoy large screen size with wireless collaboration benefits</li> <li>Eco-friendly power-saving system</li> </ul>	<ul style="list-style-type: none"> <li>Designed for meeting rooms and signage applications</li> <li>Easy to install</li> <li>Seamless transition between collaboration and signage mode</li> </ul>	<ul style="list-style-type: none"> <li>Multifunctional for corporate and education use</li> <li>Flawless touch annotation</li> <li>Interactive White Board</li> <li>Highly durable surface</li> </ul>	<ul style="list-style-type: none"> <li>Designed for high-brightness environments</li> <li>For signage and collaboration use</li> <li>Rugged surface for easy cleaning</li> </ul>
<b>Version</b>	Corp.	Corp.	Corp. / EDU	Corp.
<b>Screen Size</b>	100"-300"	43", 55", 65", 75"	65", 76", 86", 98"	110" (1.2mm) 137" (1.5mm) 220" (UHD 1.2mm)
<b>Wireless Collaboration</b>	•	•	•	•
<b>Digital Signage</b>		•	•	•
<b>Display Resolution</b>	1080p	4K-UHD	4K-UHD	1080p (110", 137") 4k-UHD (220")
<b>Wireless Screen-out Duplication</b>	1-way (NT Receiver)	1-way (NT Receiver)	2-way (NT Live & Receiver)	1-way (NT Receiver)
<b>Remote Management</b>	•	•	•	•
<b>Optional Launcher</b>	•	•	•	•
<b>Warranty</b>	5 years	3 years	3 years (5 years optional)	3 years

Launcher



LauncherPlus



LauncherPlus USB-C



LauncherOne

<b>Key Benefits</b>	<ul style="list-style-type: none"> <li>Instant connection and wireless screen mirroring from any laptop</li> <li>Universal connector or optional USB-C</li> <li>Compatible with all Novo Ecosystem solutions (except for the education dedicated ones - NovoCast, NovoTouch EK series)</li> <li>Zero impact on your network bandwidth</li> <li>Comes with additional 4 buttons for true Wireless Collaboration</li> </ul>	<ul style="list-style-type: none"> <li>Create a direct laptop connection to the screen with zero impact on the network.</li> <li>No network integration required</li> <li>Data Loss Prevention (DLP) compliant.</li> <li>The only "GDPR-compliant" wireless collaboration solution</li> <li>Designed with locked USB slots in-mind</li> <li>Addresses IT collaboration concerns</li> </ul>	
<b>Connector Type</b>	USB Type-A	USB Type-C	USB Type-A
<b>End User</b>	Visitor/ Guest	Visitor/ Guest	Corporate/ Internal
<b>Connected Device</b>	PC/ MacOS	PC/ MacOS	PC/ MacOS
<b>Direct Plug and Play</b>	•	•	•
<b>Data Security</b>	AES-256 Encryption		AES-256 Encryption
<b>DLP Security Level</b>	Corp. standard		World Class

Digital Signage



NovoDS mini



NovoDS



NovoDS 4K

<b>Key Benefits</b>	<ul style="list-style-type: none"> <li>Cost effective</li> <li>Intuitive drag-and-drop playlist creation</li> <li>Centralized device management</li> <li>Supports native 1080p content</li> <li>Can be administered through an optional cloud service</li> </ul>	<ul style="list-style-type: none"> <li>Supports 4K display resolution</li> <li>Built-in WiFi, RJ45 and built-in internal storage</li> <li>Intuitive drag-and-drop playlist creation</li> <li>Remote monitoring via network-based management</li> <li>Can be administered through an optional cloud service</li> </ul>	<ul style="list-style-type: none"> <li>HDMI input, built-in WiFi, RJ45 and built-in internal storage</li> <li>Intuitive drag-and-drop playlist creation</li> <li>Centralized device management</li> <li>Powerful dual network capability</li> <li>Low latency</li> <li>Full AV system connectivity</li> </ul>
<b>Free Software</b>	•	•	•
<b>Display Resolution</b>	1080p	4K- UHD	4K- UHD
<b>Connect to NovoDS</b>	Ethernet	Wi-Fi / Ethernet	Wi-Fi / Ethernet / HDMI
<b>Connect to Display</b>	HDMI	HDMI	HDMI
<b>Multi Mixtures of Images</b>	•	•	•
<b>2-Way Screen Orientation(l/p)</b>	•	•	•
<b>Flexible Layout</b>			•
<b>No Programming Skills Required</b>	•	•	•
<b>Content Storage</b>	Built-in 8GB/ SD card	Built-in 8GB/ SD card	Built-in 32GB/ SD card
<b>Support Multimedia Format</b>	•	•	•
<b>AV Integration</b>	Software API	Software API	Software API
<b>Remote Management</b>	•	•	•

# NovoProjector



The NovoProjector is the perfect projector, offering an impressive 100" or larger screen with 4,500 ANSI lumens, 1080p native resolution and Wireless Collaboration capabilities all in one. Enjoy screen mirroring, annotation and moderation functions and the ability to display multiple screens simultaneously. If you need Wireless Collaboration and the big screen in your meeting rooms, then NovoProjector is the one for you. The device comes in a choice of two models: a lamp-based model or one utilizing a high-efficiency laser light source.

## Meeting Room Projector

- Wireless presenting and collaboration on a large 100" - 300" screen
- 4,500 lumens and 1080p resolution for outstanding image quality
- Ideal for large-group presentations
- Available as a lamp-based model or with a high-efficiency laser light source
- Eco-friendly power-saving system

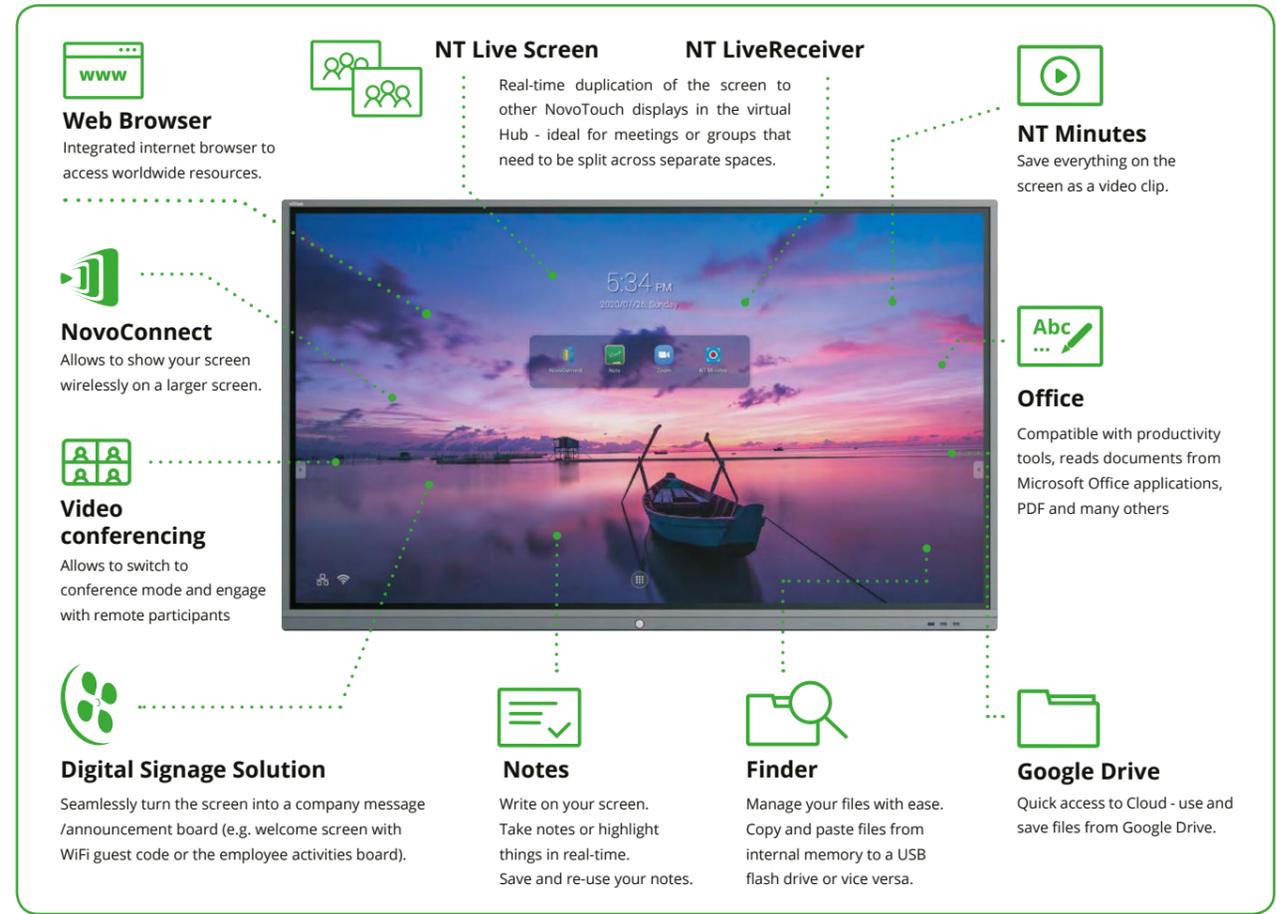
	DH858N	DH3665ZN
<b>Resolution</b>	1080p (1920 x 1080)	1080p (1920 x 1080)
<b>Brightness</b>	4,500 lm	4,500 lm
<b>Light Source</b>	Lamp	Laser
<b>Throw Ratio</b>	1.39 - 2.09 : 1	1.39 - 2.09 : 1
<b>Dimensions</b>	314 x 213 x 127 mm	395 x 341 x 136 mm





# NovoTouch

Cooperate with your team and effortlessly visualize your ideas on a big screen with an amazing 4K touch panel that integrates Wireless Collaboration and Digital Signage functionalities. Improve meeting efficiency and create an interactive environment for a fluid exchange of thoughts. The display also has a video conferencing feature including pre-installed Zoom, Teams or Skype for Business that enables you to switch to conference mode and engage with remote participants. NovoTouch is a powerful collaboration solution that's ideal for conference rooms, meeting areas, corporate lobbies and education.



## New NovoTouch Series

<b>Application</b>	Ideal for Corporate and Education
<b>Panel Technology</b>	Backlit LED (IPS- ADS)
<b>Resolution</b>	4K-UHD (3840 x 2160)
<b>Touch Technology</b>	Infrared Touch
<b>BYOD</b>	Windows, macOS, iOS, Android, Chromebook, Ubuntu
<b>Optional LauncherPlus</b>	Yes
<b>Available Size</b>	65" - EK653i 75" - EK753i 86" - EK863i



NovoLED

NovoLED is first off the shelf ready to use LED video wall display with Wireless Collaboration and Digital Signage tools included. Available in three standard sizes, 110", 137" and 220" with up to UHD resolution each video wall can easily be wall-mounted with supplied controller. LED technology can be a better alternative to other display types as it provides a screen without bezels

for use in bright environments with excellent color brightness and contrast and thus offer flexibility of use whether in meeting rooms, boardrooms or large venues and with signage related applications. Each video wall variant has a 16:9 aspect ratio, so it can be used as any other screen. With NovoLED, we offer another display alternative with the same ease of use and security. Guaranteed.

- Innovative LED Video Wall
- Designed for high-brightness environments
- For signage and collaboration use
- Latest COB LED technology
- Protected surface - rugged, dust proof, water resistant
- Pre-calibrated LED modules
- 110" screen size Full-HD (1080p) resolution with 1.2mm pixel pitch
- 137" screen size Full-HD (1080p) resolution with 1.5mm pixel pitch
- 220" screen size 4K-UHD resolution with 1.2mm pixel pitch



NovoDisplay



NovoDisplay is a unique and innovative solution that combines a 4K-UHD panel display, Wireless Collaboration and Digital Signage into a single unit. It enables collaboration between all the participants and allows them to share concepts and contribute to the discussion. The NovoDisplay flat panel can be also turned into a Digital Signage display when not actively used in a meeting. Deliver any public communications and incorporate them into a signage playlist. Maximize the use of the screen for different surroundings, like an office, a hotel, a museum or a trade show. The device makes it easy to communicate before, during and after the meetings!

**Ideal for huddle rooms**

- Designed for meeting rooms and signage applications
- Easy to install
- Seamless transition between collaboration and signage modes

NovoDisplay DK Series

Usage	Huddle spaces - Combining Wireless Collaboration and Digital Signage
Panel Technology	IPS Panel, Backlit LED
Resolution	4K-UHD (3840 x 2160)
Touch Technology	NA
BYOD	Windows, macOS, Ubuntu, iOS, Android, Chromebook
Optional LauncherPlus	Yes
Available Size	43": DK430 55": DK550 65": DK650 75": DK750



# Digital Signage

## Digitize your messaging and transform your business.

The need for businesses to communicate clearly, effectively and on a timely basis is crucial for continued success in the marketplace. The message needs to stand out among the multitude of other communications we're being overloaded with every day from multiple sources. This is the reason why so many organizations have adopted digital signage technology. NovoDS Digital Signage Solution is perfect for creating dynamic visual displays for any corporate or public spaces.



### HOTEL INDUSTRY

Digital signage located in reception areas can display a cheerful 'Welcome' message and images that greet visitors with your brand identity.



### RETAIL

Retailers can apply digital signage to highlight products and offers. Restaurants can display the menu of the day.



### CORPORATION

Digital signage boards make it easy to communicate and deliver crucial information, such as way finding, meeting schedules, project status, corporate intranet pages and more.



### EDUCATION

In the classroom, digital signage can provide visual support to present content in a dynamic, immersive way.



# NovoDS Features

Creating digital signage could sometimes be problematic. But with Vivitek's new solution, you no longer need programming skills, external graphic support, nor a large amount of time. With the NovoDS Digital Signage Solution, intuitive software helps you easily create playlists and publish them remotely to NovoDS devices. No IT knowledge is required from the user – simply convert your message into visual signage from scratch or by using differently themed templates. Updating the playlist is as easy as updating your social media channels!



## Content Creation

- Build signage content from scratch with a simple drag and drop function
- Supports a wide range of dynamic content forms: text, audio, photos, videos, webpages, Google calendar, Twitter, Facebook, Instagram, RSS, weather, IP streaming etc.
- Automatically synchronizes media content from remote storage, such as Dropbox or FTP
- HTML5 rendering supports rich interactive content



## Device Management

- Content updates over wired and/or wireless network
- Manage and monitor device playback status from a central computer or via NovoDS Cloud
- Playlist scheduling for daily, weekly and monthly schedules
- Plug and play for easy set up and configuration, including device auto discovery
- Integrated RS232 control interface for user control external equipment
- Kensington security slot



## Playlist

- Built-in playlist templates for easy content creation
- Preview playlists on your computer during the creation process



## Low TCO (Total Cost of Ownership)

- NovoDS Studio software is free of charge
- NovoDS Solution devices are license free

## NovoDS Cloud



For remote device and content management over the internet. This easy-to-use, role-based cloud service enables administrators, publishers and designers to manage playlists, set up devices, create single user accounts and more from anywhere with an internet connection. The Cloud service is available at NovoDS.com or can be deployed as an on-premise version. Visit [www.NovoDS.com](http://www.NovoDS.com) and register an account for a free trial.



## NovoDS Add-On Device

NovoDS Digital Signage Solution comes with different hardware choices to suit your needs. The Add-On models are ideal for integrating into your existing infrastructure. They are small, compact-sized units, which fit easily at the back of the screen. Whether it's managing the devices and playlist updates via the wired LAN or via a WiFi connection, we have you covered.



NovoDSmini



NovoDS



NovoDS4K



## NovoDS4K

The NovoDS4K is perfect for incorporating a television signal into the playlist. You can enjoy a sports event in a bar or invite guests to cheer for their favorite team.



## NovoDS

The NovoDS is ideal for all types of signage set-up with its wireless and wired connection capability. Connect it easily to your WiFi and start showcasing your digital signage.



## NovoDSmini

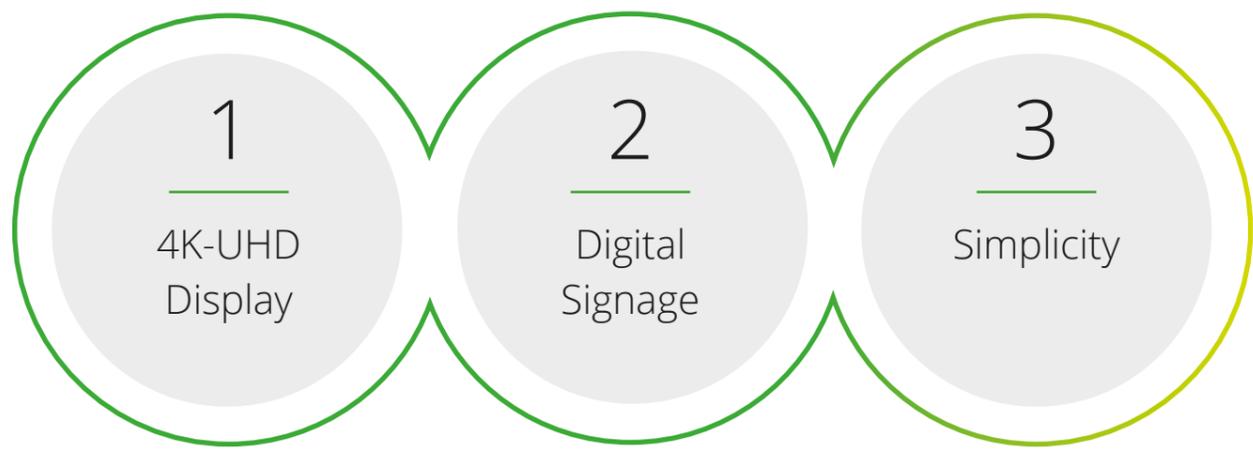
The NovoDSmini is the choice if you wish to manage all the playlists via wired network only.

	NovoDSmini	NovoDS	NovoDS4K
<b>Display Resolution</b>	1080p (1920 x 1080); 720p (1280 x 720)	4K-UHD (3840 x 2160); 1080p (1920 x 1080); 720p (1280 x 720)	4K-UHD (3840 x 2160); 1080p (1920 x 1080); 720p (1280 x 720)
<b>Network Connectivity</b>	WiFi: NA Ethernet: 10/100Mbps	WiFi: 802.11ac Ethernet: 10/100Mbps	WiFi: 802.11ac, Enhanced External Antenna Ethernet: 1Gps
<b>Playlist Design</b>	Grid Layout	Grid & Flexible Layout & Optional Featured Templates on the Cloud	Grid & Flexible Layout & Optional Featured Templates on the Cloud
<b>HDMI</b>	1x HDMI-Out	1x HDMI-Out	1x HDMI-Out 1x HDMI-In as Playlist Video Source
<b>Internal Storage</b>	8 GB	8 GB	32 GB
<b>Dimensions</b>	100 x 100 x 20 mm	120 x 75 x 16 mm	152 x 113 x 22.5 mm



## NovoDS All-In-One Solution

In addition, the NovoDS Digital Signage Solution comes with All-in-One models, which are the combination of signage players and 4K screens. The unique NovoDisplay flat panel enables the user to control all of the necessary signage functionalities from a single, fully sufficient unit. The flat panel is suited for hospitality areas, lobbies and receptions since it also integrates wireless collaboration capabilities that allow automatic switching from signage and announcement boards to engaging team discussions and brainstorming sessions.



DK430      DK550      DK650      DK750

<b>Panel Size</b>	43"	55"	65"	75"
<b>Panel Technology</b>	IPS Panel, Backlit LED			
<b>Resolution</b>	4K-UHD (3840 x 2160)			
<b>Application</b>	Design for Digital Signage and supports Wireless Collaboration			
<b>Playlist Design</b>	Grid & Flexible Layout & Optional Featured Templates on the Cloud			
<b>Network Connectivity</b>	WiFi: 802.11ac, Enhanced External Antenna; RJ45 Ethernet: 1Gps			
<b>Speaker</b>	5W x2	5W x2	8W x2	15W x2
<b>Dimensions (mm)</b>	970 x 559 x 85	1,244 x 714 x 70	1,477 x 852 x 80	1,715 x 993 x 93



# DISPLAY SOLUTIONS



# Delta Display Solutions

Delta Display Solutions, a division of Delta Electronics, is a pioneer in developing professional displays for a variety of applications in command and control, surveillance, retail and for corporate use.



Control Room



Corporate



Entertainment



Higher Education



Retail



Transportation

# Video Wall Applications



DLP Rear-Projection Cubes or LED Video Wall in Control Rooms



LCD Narrow Bezel Displays or LED Video Wall in Meetings Spaces



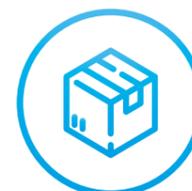
LED Video Wall Indoor and Outdoor or Narrow Bezel LCD in Signage & Entertainment

## Delta Advantages



### Company Strength

Delta stands for energy saving hardware components with software solutions backed by a professional team with R&D, manufacturing, quality control, system integration and after-sales capabilities.



### Product Advantages

Durability is key for Delta. Longevity, reliability, outstanding display performance, innovative design and product craftsmanship with high energy efficiency.



### Cost-Performance Ratio

Delta products are designed to provide the best possible performance and quality in its class paired with a sensible pricing to optimise for CAPEX and OPEX.



### Quality Assurance, Local Service & Support

Comprehensive pre- and after-sales service and support, product training, and short response time.

From technical considerations or unique installation requirements, a multitude of factors are involved in the display setup. Our expert team of engineers handles these complexities to deliver a clear and precise quote for a specific installation, guaranteeing a perfect outcome. When technical assistance is required, Delta's staff go the extra mile to resolve any issues our customers might have.

# General Video Wall Setup

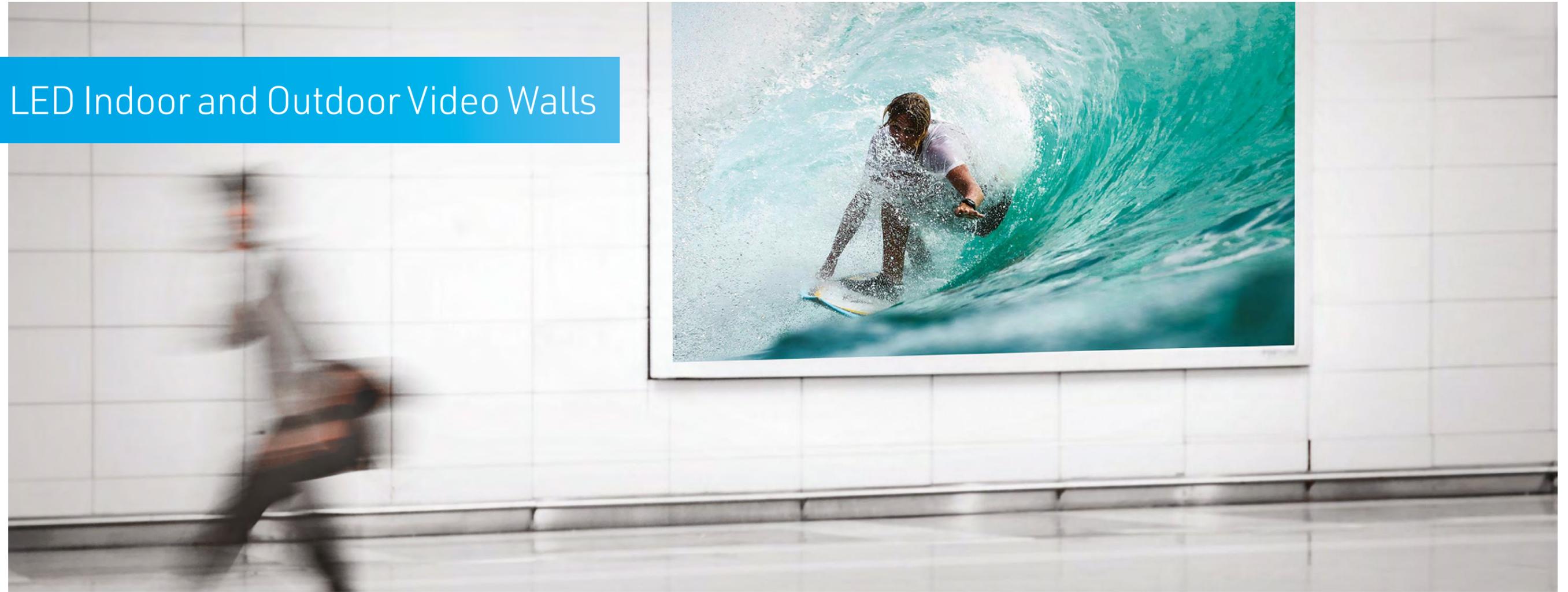


Delta's LCD video wall displays are an ideal solution for space-constrained control rooms, crisis rooms, board rooms and Digital Signage Applications. LCD displays can be united to achieve virtually any screen size, setting a new standard for large format, high-impact display solutions. Built with high quality industrial grade components for demanding applications, the LCD displays deliver unsurpassed image quality with an incredible color depth and contrast.

## Narrow Bezel LCD Specification

Type	UNB LCD		XNB LCD	ENB LCD
Image				
Model	LW-4982 LR KC	LW-5582 LR KC	LW-5582 MR KC	LW-5582 GR KC
Panel	49 inch Ultra Narrow Bezel		55 inch Ultra Narrow Bezel	
Bezel to Bezel	3.5mm	3.5 mm	1.8 mm	0.88 mm
Back Light Type	Direct LED			
Resolution	Full HD 1920 x 1080, professional-grade display			
Pixel Pitch	0.63 ( H ) x 0.63 ( V ) mm			
Display Colors	1.07 Billion			
Luminance of White	Typical 500 nits			
Contrast Ratio (Full On/Off)	1400:1			
Viewing Angle (CR>10)	178 (H), 178 (V)			
Response Time	Typical 8 ms			
Inputs	1 x Digital DVI-D (3840x216@30Hz), 1x HDMI 2.0 [3840x2160@60Hz], 1x HDMI 1.4 [3840x2160@30Hz], 1 x VGA (1920x1080@60Hz) interface DB15, 1 x DP (3840x2160@30Hz), 1 x USB 2.0 for Service (upgrades), 1 x Ethernet RJ-45		1 x Digital DVI-D (3840x216@30Hz), 1x HDMI 2.0 [3840x2160@60Hz], 1x HDMI 1.4 [3840x2160@30Hz], 1 x VGA (1920x1080@60Hz) interface DB15, 1 x DP (3840x2160@30Hz), 1 x USB 2.0 for Service (upgrades), 1 x Ethernet RJ-45	
Output	1 x Digital DVI-D (DVI IN/DP IN/HDMI2 loop-out) 1 x Ethernet RJ-45 (RS232 for control)			
Power Control	AC power ON/OFF switch			
Wire Control	RS232C input			
AC Power Input Range	100~240VAC, 50/60Hz			
Power Consumption	On Mode: typical ≤100W	On Mode: typical ≤180W	On Mode: typical ≤180W	On Mode: typical ≤225W
	Standby Mode : < 0.5 W			
Dimension (W x H x D)	1077.58 x 607.8 x 121.1mm	1213.4 x 684.2 x 121.1mm	1211.4 x 682.2 x 121.1mm	1210.51 x 681.22 x 121.1mm
Weight	22.9 kg (net weight)	24.5 kg (net weight)	24.5 kg (net weight)	
Operating Temperature	0°C to 40°C			
Storage Temperature	-10°C to +60°C			
Working Humidity	20% - 85%, non-condensing			
Backlight Operating Life	Min. 50,000 hours		Min. 50,000 hours	

# LED Indoor and Outdoor Video Walls



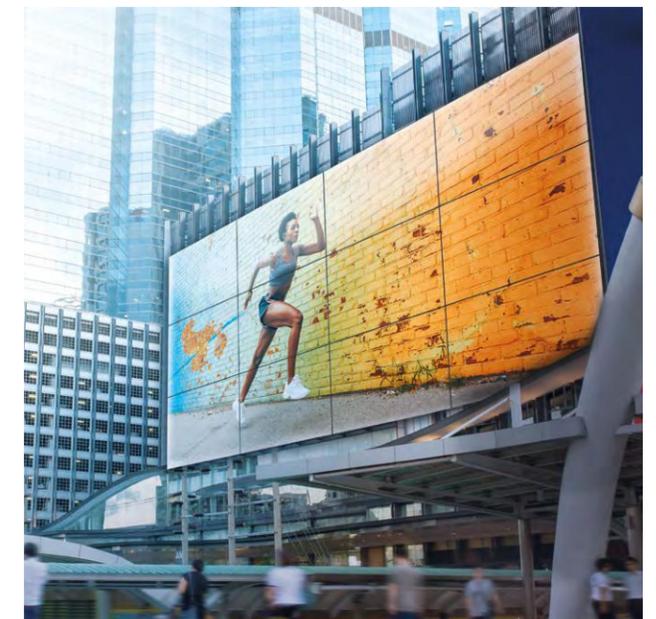
## Indoor LED Video Walls

Step away from the traditional and head towards an innovative, fresh approach with Delta's indoor LED displays. The indoor LED series offers a large variety of flat panels in SMD and COB technology to perfectly fit any multimedia requirement. The LED displays are sharp, stunning and designed to excel in high ambient light environments, capturing audience' attention.



## Outdoor LED Video Walls

Draw attention and make an impact with an outdoor LED display that can't remain unnoticed. Display your targeted and direct message on displays that deliver stunningly vivid images and offer amazing clarity, regardless of the surrounding factors. Dynamic, with impressive viewing angles, these outdoor screens provide the best viewing experience with optimal color, brightness and contrast. Delta Displays' LEDs are fully certified and offer outstanding performance and reliability.



# Outdoor and Indoor LED Specification

TYPE		SMD- OUTDOOR				SMD - INDOOR (FINE PITCH)				COB - INDOOR (FINE PITCH)			
Image													
Model		SE-6	SE-8	SE-10	SE-16	FE-12	FE-15	FE-19	FE-25	CO-09	CO-12	CO-15	CO-19
Pixel Pitch (mm)		6	8	10	16	1.26	1.58	1.9	2.53	0.9	1,26	1,58	1,9
Brightness (cd/m <sup>2</sup> )	Calibrated	5,500	5,500	5,500	5,500	600	800			400	600	600	600
Contrast Ratio		1,500 : 1	2,000 : 1	3,500 : 1	4,500 : 1	3,000 : 1				3,000 : 1			
Refresh Rate (hz)		2,160	1,920	1,920	8,100	3,900	3,900		3,900	3840	3960	3180	3,960
Gray Scale (bit)		15	12	12	16	13	15	15	15	14	14	13	14
Viewing Angle	Horizontal	140°				160°				140°	170°		
	Vertical	90°				160°				140°	160°		
Power Consumption (W/Cabinet)	Max.	760	833	828	828	140	180	180	170	130	92	85	88
	Avg.	253	278	276	273	47	60	60	58	40	31	29	30
Cabinet Size (wxhxd) (mm)		960 x 960 x 140	960 x 960 x 141	960 x 960 x 142	960 x 960 x 143.5	608 x 342 x 62				600x337.5x78	608 x 342 x 71		
Weight (kg/cabinet)		43.5	41.5	41,5	41	7,9				6	7,2		
Ip Grade (front/rear)		IP65 / IP54				IP40 / IP20				Front IP40 / Rear IP20			
Certification		UL, CB, CE, FCC, CCC				UL, CB, CE, FCC, CCC				CE	CE		

# DLP Rear-Projection Video Wall



Delta's DLP video wall cubes, whether with laser-phosphor or LED light source technology are an ideal solution for 24/7 mission-critical control rooms.

Delta is a pioneer in this technology and the first offering, beside UXGA and Full-HD, also UHD 4K resolution with unsurpassed picture performance and reliability.

Delta rear-projection cubes offer highest pixel-volume across the video wall to see every detail in multiple windows or layouts.

Parallel to the standard cube size we offer a slim design when space-saving is a must.



## DLP Rear Projection Cube Specification

Type	LED SLIM		LASER SLIM		LASER SLIM		LASER REGULAR		
Image									
Model	Full HD		UHD 4K		Full HD		UHD 4K	Full HD	UXGA
Resolution (pixel)	1,920 x 1,080		3,840 x 2,160		1,920 x 1080		3,840 x 2160	1,920 x 1,080	1,600 x 1,200
Product no.	DVS-608RSL DVS-708RSL	DVS-608FSL DVS-708FSL	DVS-60AFS DVS-70AFS DVS-70ARSH		DVS-508RS	DVS-508FS DVS-608FS DVS-708FS DVS-808FS	DVS-60AR DVS-70AR DVS-80AR	DVS-608RAN DVS-708RAN DVS-808RAN	DVS-506RAN DVS-606RAN DVS-676RAN DVS-806RAN
Service Access	Rear	Front	Rear	Front	Rear	Front	Rear		
Cabinet size (inch)	60", 70"		60", 70"		50"	50", 60", 70", 80"	60",70", 80"	60", 70", 80"	50", 60", 67", 80"
Engine Brightness (lumens)	Bright	1,100	4,000	2,500	2,400		2,500	2,400	
	Normal	750	3,000	1,800	1,700		1800	1,700	
	Eco	525	2,000	1,200	1,200		2,000	1,200	
Contrast Ratio	1,000:1		1,800:1		1,800:1		1800:1	1,800:1	
Uniformity	98%		98%		98%		98%	98%	
Color Depth (million)	16.7		16.7		16.7		16.7		
Power Consumption (W/Cabinet)	Normal	180	450	250	250		250		
	Eco	140	300	170	185		185		
Screen Type	CSI		CSI		CSI		CSI		
Light Source Average Life (Hrs)	Bright	60,000	60,000		60,000		60,000		
	Normal	80,000	80,000		80,000		80,000		
	Eco	100,000	100,000		100,000		100,000		
Engine Dust Proof Level	IP6x		IP6x		IP6x		IP6x		
Regulatory Certificates	CB, CE, CCC, cTUVus, FCC		CB, CE, CCC, cTUVus, FCC		CB, CE, CCC, cTUVus, FCC		CB, CE, CCC, cTUVus, FCC		

# Video Wall Controller



Delta's Video Wall Controller supports any type of multimedia content - regardless of the display configuration - perfectly. The data - arriving simultaneously from multiple sources - can be presented across several displays as one large image, separate images or as a combination of both. Different types of controller options provide the right solution to meet any requirement.

## matriXpro



MatriXpro is a multi-screen graphic Video Wall controller. With this configurable solution, you can control and manage multiple cubes to form one large screen called a "video wall" or a "data wall". It is designed for capturing, displaying and managing different multimedia sources.

### MULTI VIS Control

It is a lightweight and multiplatform web solution, which integrates all visual resources into a single canvas, such as BI data, remote desktops, virtualized environments, IP cameras, all with simultaneous mouse and keyboard operation, using high-end encryption for every communication.



### MULTI VIS Cockpit

MULTI VIS Cockpit is a unified operation platform for command centers, integrating on an incredible live canvas, local and remote control room processes and corporate applications (ERP, e-mail, MS Office etc.).



### MULTI VIS Meeting

MULTI VIS Meeting is a unified visual platform that every corporate room needs, combining wireless screen share, one-touch-start video conference, YouTube and dashboard apps - all in one display with content auto-adjustment.



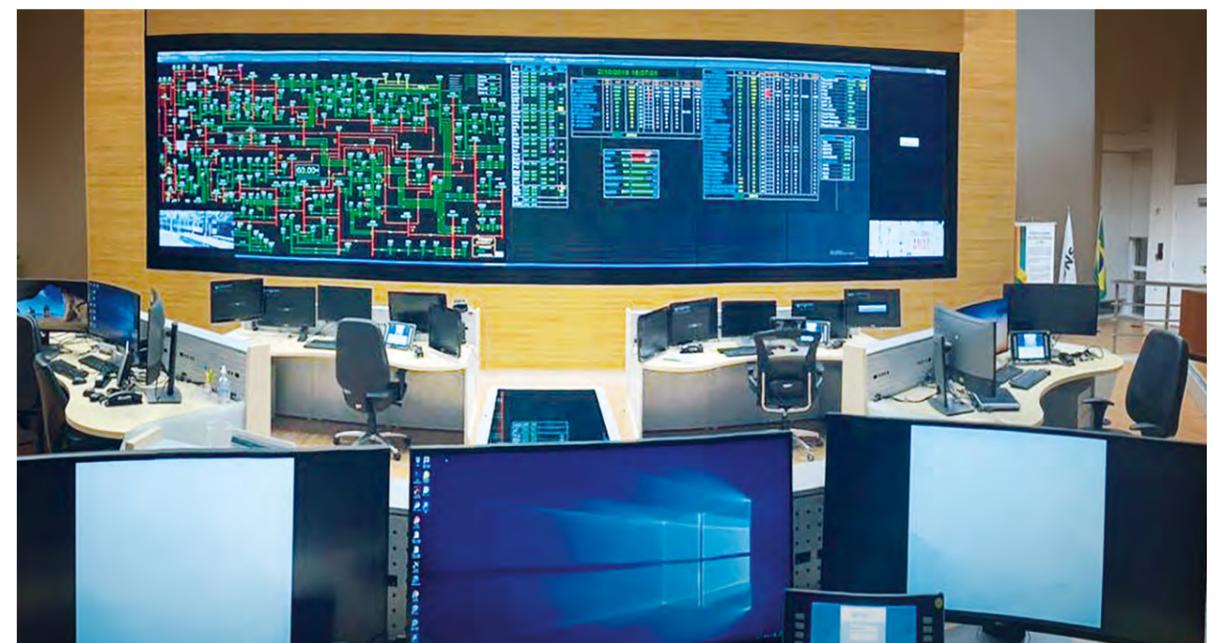
## Digital Convergence Platform - Applications

	MULTI VIS MEETING	MULTI VIS CONTROL	MULTI VIS COCKPIT
Control Rooms		•	•
Fusion Centers		•	•
Network Operations Centers		•	•
Security Operations Centres		•	•
War Room	•		
Board Rooms	•		
Auditorium	•		
Meeting Rooms	•		
Video Conference Rooms	•		



## Product Line

EMBEDDED	COMPACT	SERVER	SERVER HIGH-END
Hardware: Intel Core i3 Embedded Form Factor	Hardware: Intel Core i7 Compact Tower	Hardware: Intel Xeon Series Rack 2U	Hardware: Dual Intel Xeon Series Rack 2U
MULTI VIS MEETING	MULTI VIS MEETING MULTI VIS CONTROL	MULTI VIS CONTROL	MULTI VIS CONTROL
Up to 1x 4k UHD display or up to 4x FHD displays	Up to 1x 4k UHD output or up to 4x FHD displays	Up to 4x 4k UHD displays or up to 16x FHD displays	Up to 16x 4k UHD displays or up to 64x FHD displays
Up to 1x HDMI Input (USB)	Up to 4x HDMI Inputs	Up to 8x HDMI Inputs	Up to 16x HDMI Inputs
Video Conference Integration	Low Complexity Applications	Up to 12x Remote Machines Up to 12x h.264 Streamings	Up to 24x Remote Machines Up to 24x h.264 Streamings
Wireless Screen Share   Dashboard   Youtube   Web Applications   Remote Pointer   SSL Encryption			



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