



# Fine Pitch LED Display System

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Precision Fine-Pitch Indoor  
LED Display with Superb  
Image Quality and Uniformity





## Precision Fine-Pitch Indoor LED with Superb Image Quality and Uniformity

Make a move out of the traditional and into an fresh, innovative approach with Delta's indoor LED displays. Large enough to be seen, yet unobtrusive. Bright and impressive enough to excel in large venues. It's your vision, and we'll help you perfect it with Delta's large selection of LED displays and knowledgeable team of engineers.

The Delta indoor LED series offers a wide variety of sizes to meet the needs of any project. Our indoor LED displays are sharp, stunning and designed to excel in high ambient light environments, capturing audiences' attention and helping you provide an unforgettable experience.





## FE Series

Delta's FE Indoor LED Display features a modern, sleek design and provides 1.26, 1.58, 1.9 and 2.5 mm pixel pitches, each in 16:9 aspect ratio, to perfectly accommodate a wide range of viewing distances and applications. This seamless and high-resolution display provides wide-viewing angles, giving an immersive experience that maximizes audience engagement in short viewing distances.





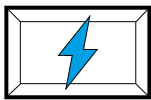


# Fine-Pitch Precision & Installation

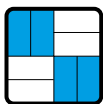
The FE's modern design allows for installation precision with fine pixel pitches, in an exact 16:9 aspect ratio.



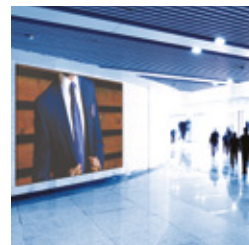
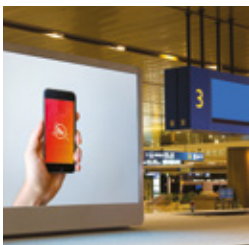
The 16:9 aspect ratio perfectly fits standard content and the fine-pitch pixels provide outstanding image quality for up-close viewing distances.



The aluminum die-cast frame allows for a quick installation with precision at the finest pitches



The FE Series' machined contact points between each cabinet provide superior accuracy and a seamlessly tight display







# Advanced Image Technology

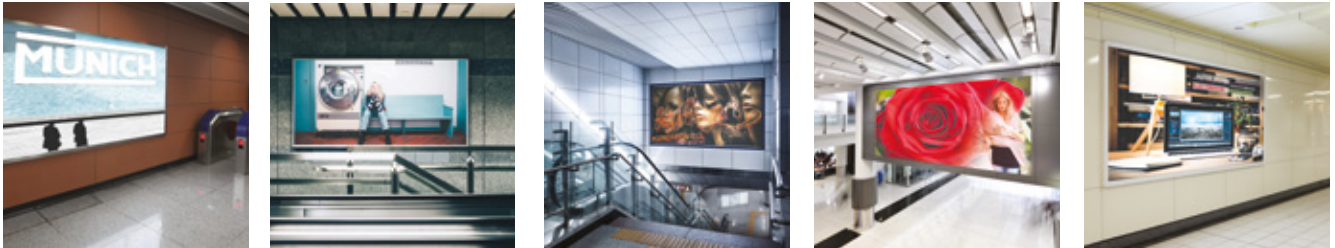
The FE Series provides solid performance with excellent uniformity, color and brightness over its lifetime.



Every pixel is calibrated, creating smooth and consistent brightness and color throughout the display, regardless of size



Delta's FE Series offers optional ambient light adjustment, displaying a bright and vibrant image no matter the ambient factors, including bright, dark and variable lighting conditions



# Quick & Simple Installation

A front service and install display, the FE is equipped with LED modules that attach magnetically for ease of installation and service.



Everything is easily accessible from the front of the cabinet



The FE series is a rugged design with proven LED technology, ensuring a safe and valuable investment

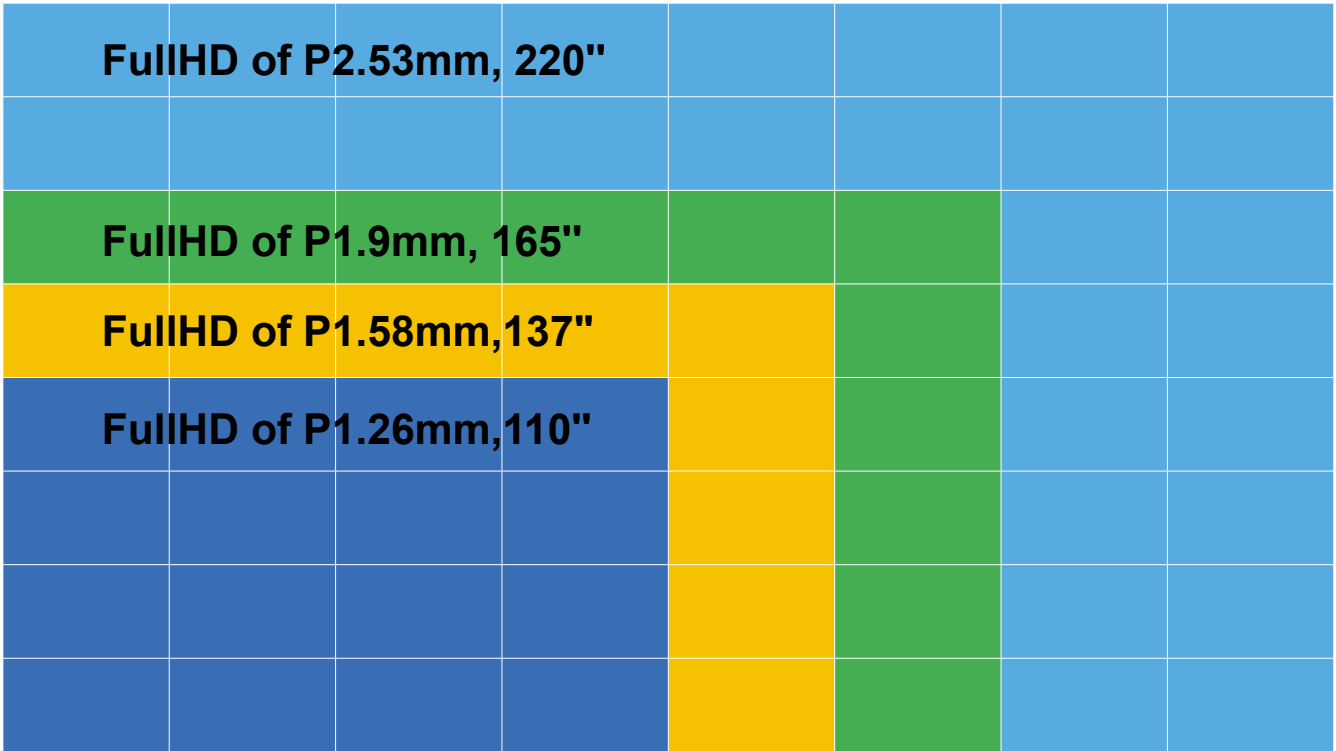


## Key Features

- Each cabinet has a 16:9 aspect ratio with a 27" diagonal
- Cost-effective indoor SMD LED
- A seamless and high-resolution display gives an immersive experience
- Wide viewing angles allow for maximum audience engagement in short viewing distances
- Minimal power consumption: Delta FE is designed with optimized power supplies to minimize power consumption to a minimum, allowing for a low cost of ownership
- Rugged and lightweight design guarantees reliability
- Delta's uniformity calibration technology provides uniform colors and brightness
- Front installation options and a compact, lightweight design guarantee an easy, quick installation
- The ultimate indoor LED display for image quality assurance, color uniformity and low cost of ownership
- Certified UL, CB, CE, FCC, CCC



# Outline of FullHD Fine Pitch LED Monitors



110" FE12 FullHD Monitor, consist of 16 x FE12 Fine Pitch LED 27" cabinets, including 1 x DC600 controller and standard wall mounting frame  
 Native Resolution: 1920 Pixel x 1080 Pixel  
 Monitor Size: 2432mm x 1368mm



137" FE15 FullHD Monitor, consist of 25 x FE15 Fine Pitch LED 27" cabinets, including 1 x DC600 controller and standard wall mounting frame  
 Native Resolution: 1920 Pixel x 1080 Pixel  
 Monitor Size: 3040mm x 1710mm



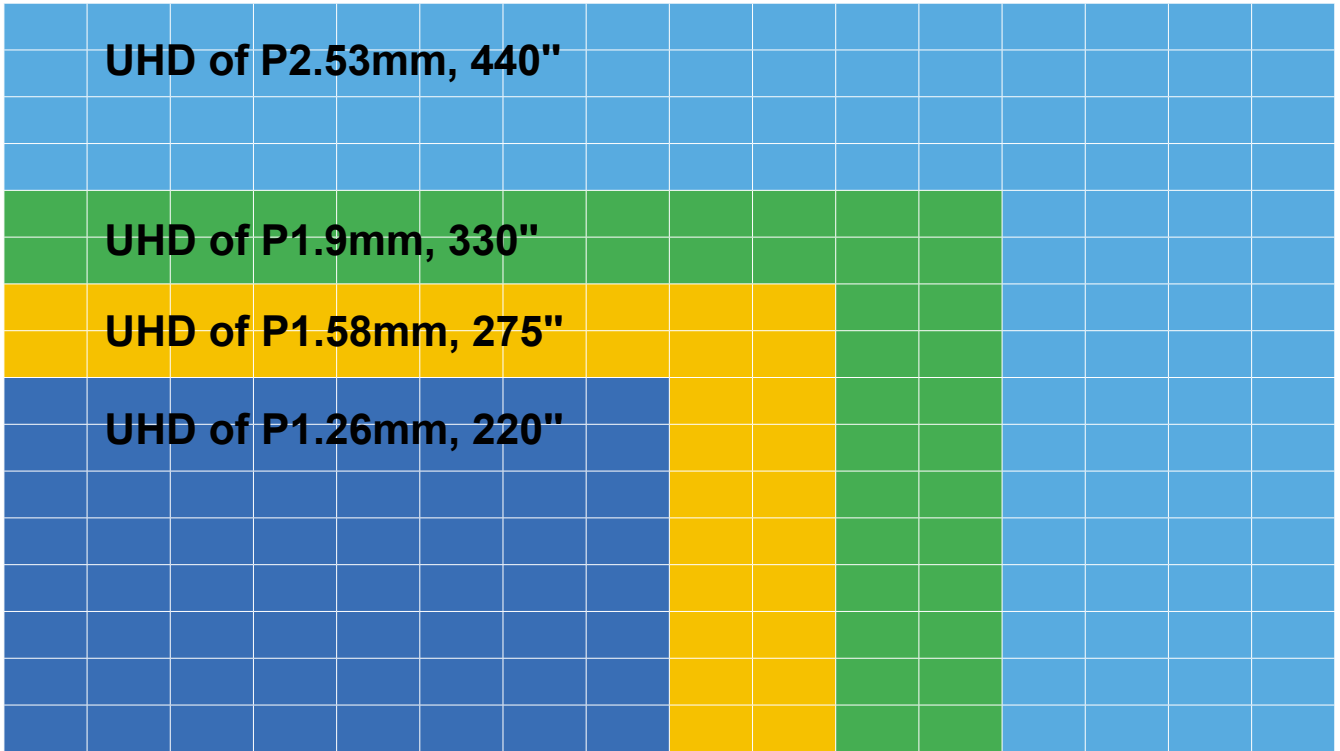
165" FE19 FullHD Monitor, consist of 36 x FE19 Fine Pitch LED 27" cabinets, including 1 x DC600 controller and standard wall mounting frame  
 Native Resolution: 1920 Pixel x 1080 Pixel  
 Monitor Size: 3648mm x 2052mm





220" FE25 FullHD Monitor, consist of 64 x FE25 Fine Pitch LED 27" cabinets, including 1 x DC600 controller and standard wall mounting frame  
 Native Resolution: 1920 Pixel x 1080 Pixel  
 Monitor Size: 4864mm x 2736mm





# Outline of UHD Fine Pitch LED Monitors



 220" FE12 UHD Monitor, consist of 64 x FE12 Fine Pitch LED 27" cabinets,  
including 4 x DC600 controller and standard wall mounting frame  
Native Resolution: 3840 Pixel x 2160 Pixel  
Monitor Size: 4864mm x 2736mm

 275" FE15 UHD Monitor, consist of 100 x FE15 Fine Pitch LED 27" cabinets,  
including 4 x DC600 controller and standard wall mounting frame  
Native Resolution: 3840 Pixel x 2160 Pixel  
Monitor Size: 6080mm x 3420mm

 330" FE19 UHD Monitor, consist of 144 x FE19 Fine Pitch LED 27" cabinets,  
including 4 x DC600 controller and standard wall mounting frame  
Native Resolution: 3840 Pixel x 2160 Pixel  
Monitor Size: 7296mm x 4104mm

 440" FE25 UHD Monitor, consist of 256 x FE25 Fine Pitch LED 27" cabinets,  
including 4 x DC600 controller and standard wall mounting frame  
Native Resolution: 3840 Pixel x 2160 Pixel  
Monitor Size: 9728mm x 5472mm

# A Modern Solution Approach

**Wide selection  
of panels**

**Display controller  
(Delta Solutions)**



**Rich content  
source optional  
with NovoDS  
(4K/UHD)**

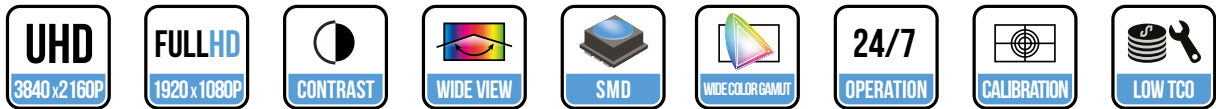
**Custom  
mountings to fit  
exceptional needs**



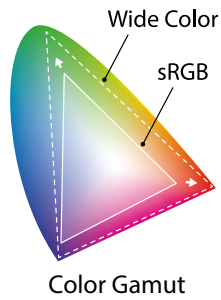
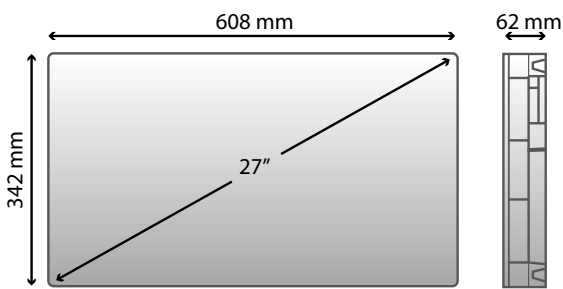
# LED Display Controller

Delta's LED display controller perfectly supports any type of video and data sources for any display configuration. Content from multiple sources can be simultaneously displayed across multiple display units as one large image, separate images, or a combination of both. Diverse controller options provide the right solution to meet your requirements.

The LED controller sending unit is the next step after the base sending unit. It is a single space rack mount unit, with two or four CAT 5 outputs, allowing for increased redundancy and security.



FE12 / FE15 / FE19 / FE25 Fine Pitch LED 27" cabinet

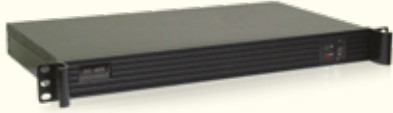


Vivid Color Solution





# LED Display Controller Specifications

Product name	DC-600
Image	
Control port	USB
Video Input	HDMI / DVI
Signal Output	RJ45
Resolution	2.3million pixels
Maximum output width	2048 pixels
Maximum output height	1200 pixels
Power Input (AC)	AC 100 ~ 240V
Dimension (L x H x D)	482.6 x 44.45 x 250 mm
Weight	2.7Kg
Audio Input	Yes
Operating Voltage	4.7~6V
Operating Current	0.45~0.7A
Operating Temperature	-20~60°C
Operating Humidity	0%-95%
Storage Temperature	-20~60°C
Storage Humidity	0%-95%
USB Cable	1.5M
DVI Cable	1.5M

# Fine Pitch LED Display Specifications

DELTA Product Name		FE-12	FE-15
Pixel Pitch ( mm)		1.26	1.58
LED Type ( black or white SMD/TH )			
LED Pixel configuration			
Pixel Density ( pixel/m2)		623,269	398,892
Brightness ( cd/m2)	Native (max)	900	1000
	Calibrated	600 +/- 10%	800 +/- 10%
Dimming Capability			
Contrast Ratio			
Refresh Rate		2160Hz	3120Hz
Gray Scale		13bit	15bit
Colors		549 billion colors	35 trillion colors
Viewing Angle	Horizontal	160° (+/- 80°)	160° (+/- 80°)
	Vertical	160° (+/- 80°)	160° (+/- 80°)
Lifetime		100,000hrs	100,000hrs
Power Input			
Power Consumption (Calibrated)	Max. ( W/Cabinet )	140	180
	Avg. ( W/Cabinet )	47	60
Cabinet Size ( mm; WxHxD )t			
Weight ( Kg/cabinet)			
Temperature	Operation		
	Storage		
Relative Humidity	Operation		
	Storage		
Service Access			
IP Grade			
Certification			

FE-19	FE-25
1.9	H:2.53 V:2.51
Black SMD	
SMD 3-IN-1	
277,008	156,971
1000	1000
800 +/- 10%	800 +/- 10%
0-255 Level	
≥3000:1	
3120Hz	3120Hz
13bit	15bit
549 billion colors	35 trillion colors
160° (+/- 80°)	160° (+/- 80°)
160° (+/- 80°)	160° (+/- 80°)
100,000hrs	100,000hrs
100 ~ 240 VAC, 47 ~ 63 Hz	
180	170
60	57
608(W)x342(H)x62+/-1(D)	
7.9+/-1	
-10 to 40°C	
-20 to 60°C	
10~90%RH	
10~90%RH	
Front	
F : IP40 / R : IP20	
UL,CB,CE,FCC, CCC	



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