

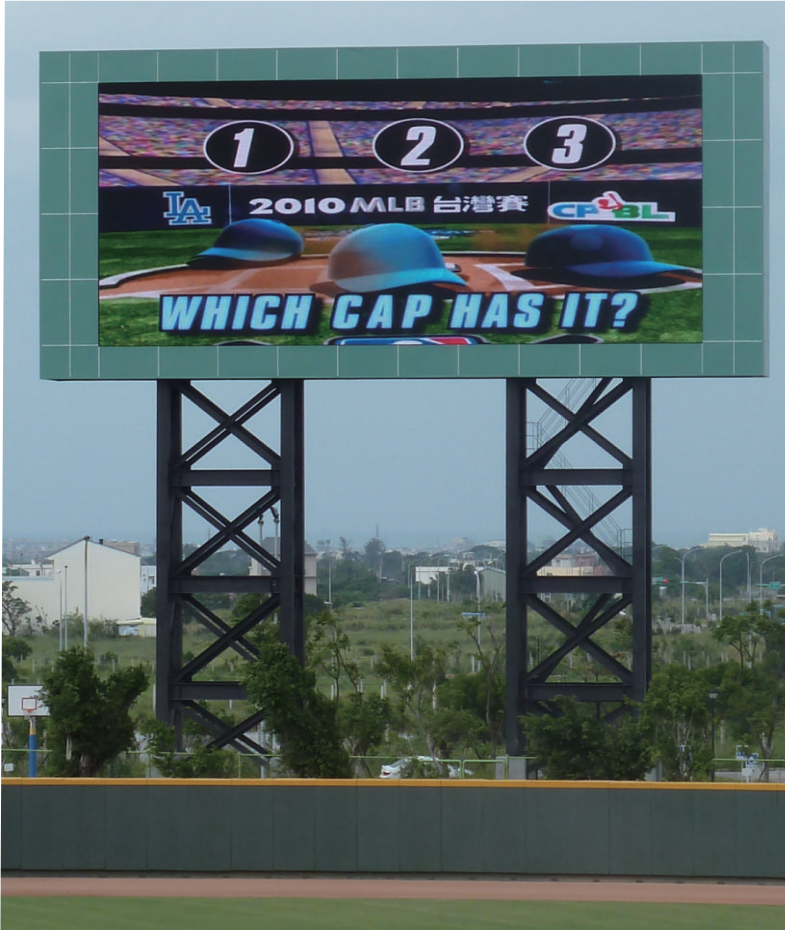
LED Display System For Digital Signage & Advertising

- Outdoor Advertising & Billboards
- Retail & Shopping Malls
- Sports & Entertainment Venues
- Transportation Hubs
- Corporate Buildings

www.deltadisplays.com



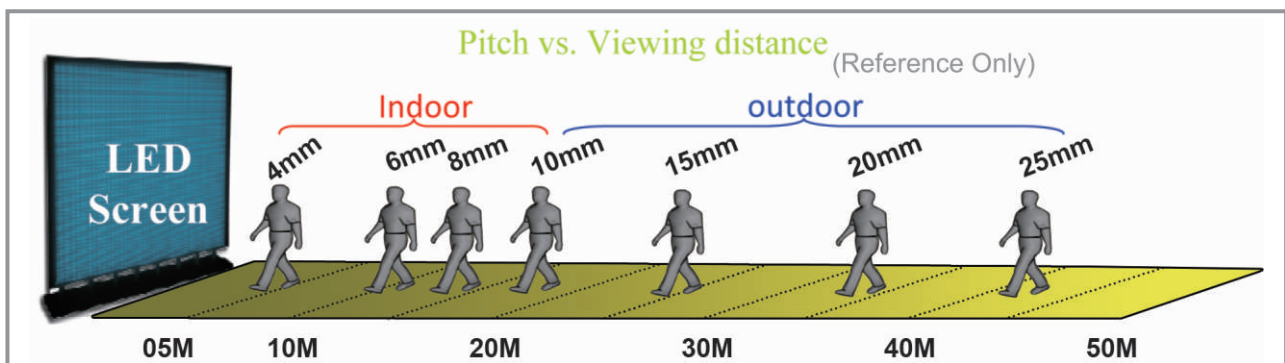
Reach Your Audience With LED Displays



People are on the move and spending increasing amounts of time away from home in traffic, transit, corporate buildings, shopping malls and large event venues. For advertisers, reaching their target audience is more challenging than ever and requires the combination of visual display technology and targeted message delivery. LED displays are a highly effective and attention-grabbing communication platform that is large, bright and made for impact. Being digital, they allow for targeted message delivery in the right place and at the right time, reaching customers during their daily routines. The large size, high brightness and advanced color processing capabilities of LED displays also make them ideal for outdoor applications. In addition to static images, LED displays also allow for full-motion videos, enabling the delivery of specialized television commercials outdoor.

Built For Digital Signage & Advertising

With end-users and their needs in mind, Delta offers a wide range of indoor and outdoor LED displays specially designed for digital signage and advertising. With a long history of leadership in electronic manufacturing and design, Delta's LED displays are cost-effective and eco-friendly with proven reliability and performance.

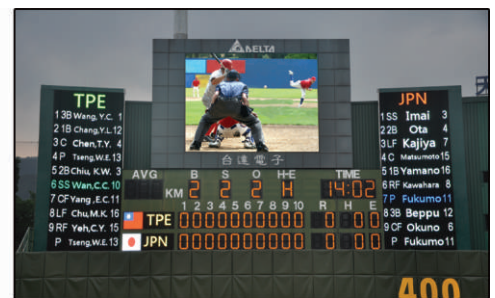


Cost-Effective Solutions

As a world leader in manufacturing and production, Delta is capable of delivering high-quality LED displays at a low cost. Through the implementations of lean manufacturing, smart Design-to-Manufacturing (DTM) techniques and Six Sigma methodology, Delta's customers can expect increased value, high quality, low costs and fast delivery.

Reliability & Long-Term Commitment

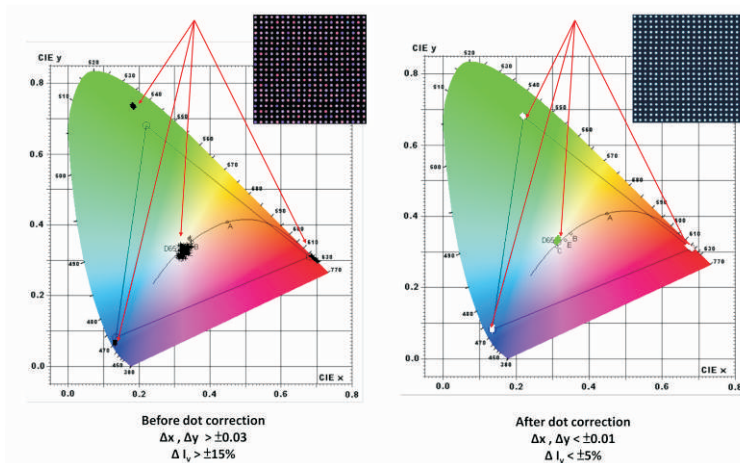
Delta's LED displays guarantee high levels of reliability over time using high-quality industrial components. As the world's largest provider of switching power supplies and DC brushless fans – two of the most fragile LED display components, Delta is the only LED display manufacturer with full control over design and manufacturing of all the LED display parts, including module frames, fans, power supply units (PSU), control boards, video distributors and video processors. These industrial-grade parts ensure long life, low maintenance and high reliability.



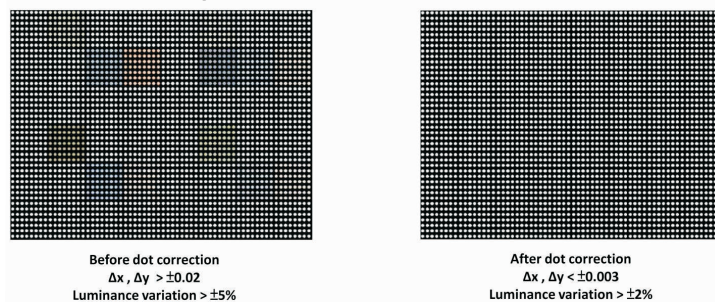
Superior Image Quality

Featuring sharp contrast, high brightness and advanced color processing technology, Delta's LED displays deliver exceptional image quality. The integrated dot correction system further improves image uniformity and stability over time.

Improved Pixel-to-pixel Variation



Improved Module-to-module Variation



Green Products With Low Power Consumption

Delta's product line has been designed for low power consumption using energy-efficient components and advanced electronics. Greater energy efficiency not only translates to lower cost of ownership but also longer lifetime and less heat dissipation.

Compliant with the RoHS (Restriction of Hazardous Substances) directive, Delta's LED products are eco-friendly and energy-saving.



Local Support

All Delta's LED displays are backed up by Delta's worldwide support structure which ensures around-the-clock support from local frontline service teams. A full range of spares are stored at regional offices guaranteeing quick turnaround time and high quality. Repairs are carried out at the same local offices by skilled technicians who have an in-depth knowledge and experience of all Delta's LED display products

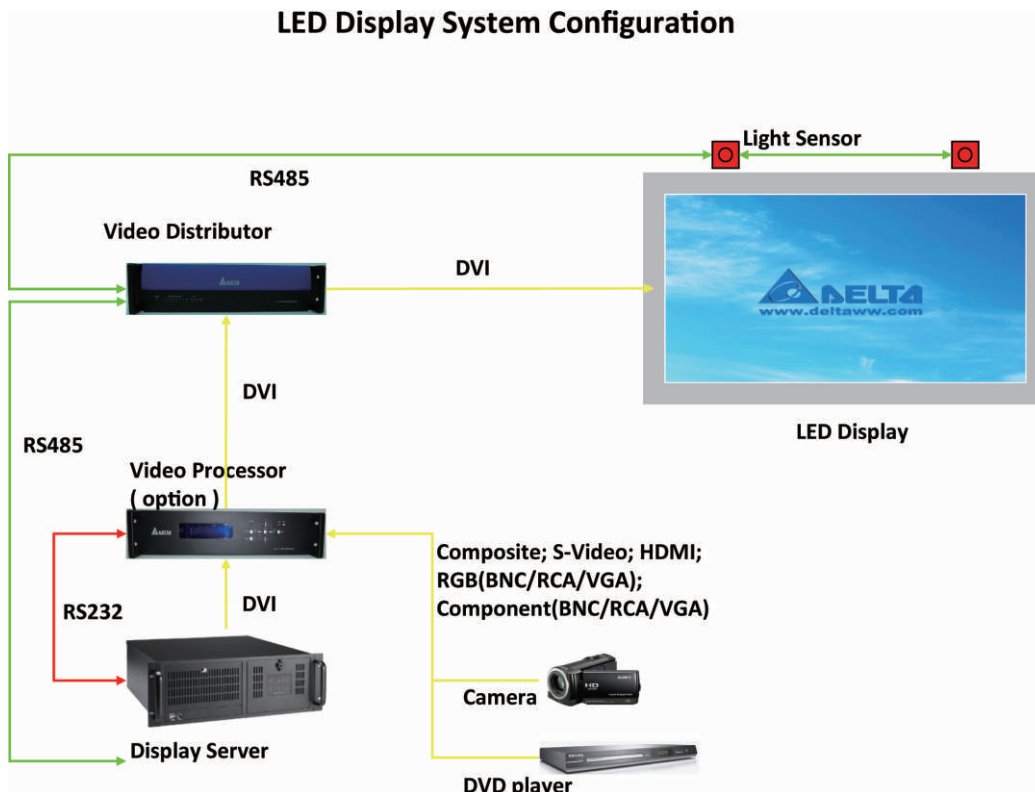
Extensive Partner Network

Delta's global network of certified installation partners provides complete installation services for your LED displays. From design to completion, the solution is customized and built to meet your specific requirements.

Total Solution And Remote Control

Delta offers a total solution for your LED display ranging from hardware to software, including video processors, video distributors, light sensors and control software.

LED Display System Configuration



Product Specifications



Video Processor VP-100

Input Standards	NTSC / PAL / SECAM, Digital Display Mode Support to 165Mhz
Output Resolution	XGA (1024X768, 60Hz)
Inputs Composite	Composite x 1; S-Video x 1; VGA x 1; HD - R (Pr), G (Y), B (Pb), H, V x 2; HDMI x 2
Outputs	Digital Video on DVI x 1
Communication Control Ports	RS-232 (via DB9 connector); Front panel controls
Power input	AC100~240V, 50/60 Hz
Power consumption	16 watts
Dimensions (mm)	(W)480 x (D)340 x (H)94
Weight (kgs)	3.2
Color Calibration	Auto calibrating with color sensor
Opt. / Stg. Temperature	5 to 35°C / 0 to 50°C
Opt. / Stg. Humidity	0 % ~ 90% / 0 % ~ 90%



Video Distributor VT-100

Video input	DVI x 1
Video output	DVI x 1 (Loop Through)
Communication interface	RS-485 on RJ-45 x 2
LED Module connection	DVI-D with RS-422 x 8
Power input	AC 100 ~ 240V, 50/60 Hz
Power consumption	15 watts
Dimensions (mm)	(W)479 x (D)325x (H)98
Weight (kgs)	4.6
Opt. / Stg. Temperature	0 to 40°C / -20 to 60°C
Opt. / Stg. Humidity	20 % ~ 90% / 10 % ~ 90%

Light Sensor LS-100

Range	0~10,000Lux
Resolution	10-bit
Communication interface	RS-485
IP Grade of Sensor Box	IP65
Power input	AC 100 ~ 240V, 50/60 Hz
Power consumption	5 watts
Dimensions (mm)	(W)118 x (D)70 x (H)34
Weight (kgs)	0.7
Opt. / Stg. Temperature	-20 to 50°C / -30 to 60°C
Opt. / Stg. Humidity	10 % ~ 99% / 10 % ~ 99%



Product Specifications

Indoor

Product Name	IB-4	IB-6	I-8	I-10
Pixel Pitch (mm)	4.6875	6.25	8.33	10.42
Pixel Configuration	R/G/B 3 in 1 SMD	R/G/B 3 in 1 SMD	R/G/B 3 in 1 SMD	R/G/B 3 in 1 SMD
Module Resolution (W*H) pixel	64 x 64	80 x 80	60 x 60	48 x 48
Pixel Density (pixel/m ²)	45,500	25,600	14,400	9,216
Native Brightness (nits; cd/m ²)	2,500	2,500	3,500	3,500
Brightness (nits; cd/m ²) calibrated at 6,500K	2,000	2,000	3,000	3,000
Contrast Ratio	4000 : 1	3000 : 1	2000 : 1	2500 : 1
Refresh Rate	5000 Hz	800 Hz	800 Hz	800 Hz
Gray Scale	16-bit	14-bit	14-bit	14-bit
Colors	281 trillion colors	4.4 trillion colors	4.4 trillion colors	4.4 trillion colors
Viewing Angel Horizontal	140° (+/- 70°)	140° (+/- 70°)	140° (+/- 70°)	140° (+/- 70°)
Viewing Angel Vertical	140° (+/- 70°)	140° (+/- 70°)	140° (+/- 70°)	140° (+/- 70°)
Dimming Capability	64 levels	64 levels	64 levels	64 levels
Lifetime	100,000 hours	100,000 hours	100,000 hours	100,000 hours
Power Input	100 ~ 240 VAC, 50/60 Hz	100 ~ 240 VAC, 50/60 Hz	100 ~ 240 VAC, 50/60 Hz	100 ~ 240 VAC, 50/60 Hz
Power Consumption				
Full White (watts/module)	75	235	150	150
Average (watts/module)	20	78	50	50
Module Dimensions (mm; W*H*D)	300 x 300 x 100	500 x 500 x 170	500 x 500 x 170	500 x 500 x 170
Weight (kgs/module)	3	13	13	13
Operating Temperature	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C
Storage Temperature	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C
Operating Humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
Storage Humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
Service Access	Rear	Front & Rear	Front & Rear	Front & Rear

Product Specifications

Outdoor

Product Name	S-10	T-15	T-20
Pixel Pitch (mm)	10.42	15.625	20.83
Pixel Configuration	R/G/B 3 in 1 SMD	1R + 1G + 1B, TH	1R + 1G + 1B, TH
Module Resolution (W*H) pixel	48 x 48	32 x 32	24 x 24
Pixel Density (pixel / m ²)	9,216	4,096	2,304
Native Brightness (nits;cd/m ²)	7,500	9,000	9,000
Brightness (nits; cd/m ²) Calibrated at 6,500K	6,000	7,500	7,500
Contrast Ratio	4000:1	4000 : 1	4500 : 1
Refresh Rate	34000 Hz	2000 Hz	8000 Hz
Gray Scale	16-bit	16-bit	16-bit
Colors	281 trillion colors	281 trillion colors	281 trillion colors
Viewing Angel Horizontal	140 (+/- 70°)	120 (+/- 60°)	120 (+/- 60°)
Viewing Angel Vertical	90° (+30/- 60)	60° (+22/- 38)	60° (+22/- 38)
Dimming Capability	64 levels	64 levels	64 levels
Lifetime	100,000 Hrs	100,000 Hrs	100,000 Hrs
Power Input	100 ~ 240 VAC, 50/60 Hz	100 ~ 240 VAC, 50/60 Hz	100 ~ 240 VAC, 50/60 Hz
Power Consumption			
Full White(watts/module)	125	135	130
Average (watts/module)	42	45	43
Module Dimensions (mm; W*H*D)	500 x 500 x 120	500 x 500 x 190	500 x 500 x 190
Weight (kgs/module)	10	14.5	14.5
Operating Temperature	-20 to 50 °C	-20 to 50 °C	-20 to 50 °C
Storage Temperature	-30 to 60 °C	-30 to 60 °C	-30 to 60 °C
Operating Humidity	10 % ~ 99%	10 % ~ 99%	10 % ~ 99%
Storage Humidity	10 % ~ 99%	10 % ~ 99%	10 % ~ 99%
Service Access	Front & Rear	Front & Rear	Front & Rear
Ruggedness	Front IP66 / Rear IP66	Front IP65 / Rear IP65	Front IP65 / Rear IP65

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