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T&O CORPORATION CO., LTD.

: บริษัท ทีแอนด์โอคอร์ปอเรชั่น จำกัด (สำนักงานใหญ่)

: เลขที่ 26/18 หมู่ที่ 5 ตำบลคูคต อำเภอลำลูกกา จังหวัดปทุมธานี 12130

: Tel.081-357-2676, 084-101-1122, 092-685-9955

Email : TandO2564@gmail.com

Website : www.tandocorporation.com



T&O CORPORATION CO., LTD.

PROFESSIONAL LED SOLUTION PROVIDER SINCE 1994

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VMS (Optical Lens)



VMS is important message release platform for motorway monitor system, which is to display variable message and information in real time according to the instructions from traffic condition, weather and traffic management department, by this means to guide the traffic flow effectively, increasing the traffic capacity of road network, and provide excellent service to safe and fast driving of road users.

- Low voltage, constant current driver chip, match with high efficient power supplies, ensuring the best energy saving performance.
- Over-voltage, Surge protection and lighting protection design, prevent damage from thunder.
- Integrated design of structure cabinet, conform to protection class IP56.
- Independent optical lens design and patented technology, reduce light reflection, and make high brightness output as well high contrast rate.
- Built-in automatic brightness sensor, ensure enough brightness during daytime and free of glare during night.
- LED fault feedback, support visual online detection.
- Displays vector font, support font zoom without limit.
- The sign is able to detect its working environment, ensure safe operation.
- Comply with EN12966 standards.
- Readable distance > 200m.
- Support RS232/RS485, TCP/IP, GPRS and other communication ways.
- Support NTCIP, ModBus, DIANMING and more other communication protocols.



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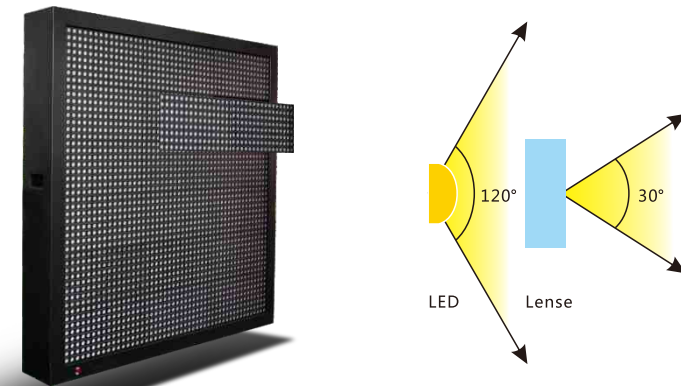
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Specification

Model	P20	P25	P31.25	P33.33
Pixel pitch	20mm	25mm	31.25mm	33.33mm
Pixel Configuration	RGB	RGB	RGB	RGB
Module Resolution	16×8	8×8	8×4	8×4
Module Size	320mm×160mm	200mm×200mm	250mm×125mm	266.6mm×133.3mm
Pixel Density	2500dot/m²	1600dot/m²	1024dot/m²	900dot/m²
Power Consumption	Max : 750W/m² Ave : 250W/m²	Max : 480W/m² Ave : 160W/m²	Max : 3000W/m² Ave : 100W/m²	Max : 270W/m² Ave : 90W/m²
LED Brand	Nichia/NationStar SMD 3 in 1			
Temperature	-40°C ~ +60°C			
En12966 Standard	Temperature : -25°C ~ +55°C		Brightness : > 12400cd/m²	
GB Standard (Expansion)	Temperature : -40°C ~ +60°C		Brightness : > 8000cd/m²	
Protection Level	IP56			
Viewing Angle	B6			
Color	C1			
Viewing Distance	> 200m			
Voltage	110-230V AC			
Intensity regulation	Automatic/32 grades by Manual			
Communication Interface	RS232/RS485 , TCP/IP,GPRS,3G			
Protocol compliance	NTCIP, ModBus, DIANMING protocol			

Modular optical lense design means convenient to install and maintain as well as good in waterproof;
Adopt import PC material with excellent properties of anti ultraviolet and high light transmittance, etc.;
Design in honeycomb bead surface which could reduce the glare and keep the light soft.



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LCSS (Lane Control and Speed Signs)



Lane Control and Speed Limited Signs is an effective way to attract driver's attention, specially while driving on expressway or on road nearby school zones, hospitals or residential neighborhoods. We offer a full range of LC&SLS of different sizes and pictograms to increase the speed limit awareness, EN12966 certified.

Features

- Integrate both speed limit sign&lane control sign pictures ,support customized traffic picture design.
- 2mm thickness Aluminum housing design, full welding internal ,light&slim cabinet ,less rusting rate
- Use high brightness, high stability, long life span LED chip.
- Independent Lens design, no secondary glazing affect working LED light angle and brightness.
- Housing front surface slotting process with matte, ensure the lens optical performance and less reflective, improve contrast.
- Comply with EN12966 standard
- Front open cabinet,150°open angle for easy maintenance .
- Communication protocol :MODBUS, NTCIP, DIANMING.

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Specification

Dimension	1200mm×1200mm×150mm (can be customized)
Character Height	En12966 standard (can be customized)
Circle Diameter	En12966 standard (can be customized)
Cabinet Material	Aluminum/Steel
Weight	Aluminum: 50kg/m² Steel: 65kg/m²
Led Color Compose	Red circle, white digit, red cross, green arrow, yellow flash light
Yellowlight Flash Pattern	Up down/left right/flashing or off shift/flashing interval can be setting, unit is S
Led Chip	NICHIA/EPISTAR
Luminance (EN12966)	L2, L3
Color (EN12966)	C1, C2
Bean Width (EN12966)	B4, B5, B6
Viewing Distance	15m-200m
Viewing Angle	Horizontal ±15°, Vertica ±15°l
Working Temperature	-40°C~+80°C
Ip Grade (EN12966)	IP56
Power Voltage	110~230V AC
Consumption	≤45W
Brightness Control	32greade, automatic/manual
Communication	RS232/RS485, TCP/IP, GPRS
Protocol	MUDBUS, NTCIP, DIANMING

Individual picture design sketch



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VMS Series

Full color sign for showing traffic pictogram

Size (WxH)	Resolution (WxH)	Pixel Pitch (mm)	Pixel Configuration
1.6 x 1.6 = 2.56 M ²	48x48 pixel	33.33	3R2G2B
1.5 x 1.5 = 2.25 M ²	48x48 pixel	31.25	2R2G2B
1.2 x 1.2 = 1.44 M ²	48x48 pixel	25	2R1G1B
0.96 x 0.96 = 0.92 M ²	48x48 pixel	20	1R1G1B
0.77 x 0.77 = 0.59 M ²	48x48 pixel	16	1R1G1B

Amber sign for showing character or graphic message

Size (WxH)	Resolution (WxH)	Pixel Pitch (mm)	Characters and Lines	Character Height	Font Size (WxH)	Interline Spacing	Pixel Configuration
4.80 x 1.60 = 7.68 M ²	144x48 pixel	33.33	11 / 3	466mm (18.3")	10 x 14 pixel	3 pixel	4Y
			14 / 3	366mm (14.4")	7 x 11 pixel	7 pixel	
4.50 x 1.50 = 6.75 M ²	144x48 pixel	31.25	11 / 3	437mm (17.2")	10 x 14 pixel	3 pixel	4Y
			14 / 3	344mm (13.5")	7 x 11 pixel	7 pixel	
3.60 x 1.20 = 4.32 M ²	144x48 pixel	25	11 / 3	350mm (13.8")	10 x 14 pixel	3 pixel	3Y
			14 / 3	275mm (10.8")	7 x 11 pixel	7 pixel	
2.88 x 0.96 = 2.76 M ²	144x48 pixel	20	11 / 3	280mm (11.0")	10 x 14 pixel	3 pixel	2Y
			14 / 3	220mm (8.6")	7 x 11 pixel	7 pixel	
2.30 x 0.77 = 1.77 M ²	144x48 pixel	16	11 / 3	224mm (8.8")	10 x 14 pixel	3 pixel	1Y
			14 / 3	176mm (6.9")	7 x 11 pixel	7 pixel	

Functional properties

Power supply	220V AC/50 Hz, 120V AC/60Hz (-15% to +10%)
Over-voltage / Over-current and Over-surge protection	Transient voltage and lightning protection, fuses, air circuit breaker
Intensity regulation (Adjustment)	Automatic or 32 grades by manual
Color	C2
Luminance	>L3 (8000 - 15000 cd/m ²)
Luminance ratio	R3
Beam width	Better than B6 (Horizontal -15° ~ +15° , Vertical -15° ~ +15°)
Communication interface	RS-232/RS-422/RS-485 serial port, RJ-45 connector, optical fiber, GSM/GPRS(optional), TCP/IP, NTCIP
Service port	RS-232 / Ethernet
Protocol compliance	TCP/IP, NTCIP or others
Software report	Brightness, failed LED, temperature, AC/DC Voltage, message & connection, unauthorized door open alarm (optional)

Mechanical and Environmental properties

Housing material	Aluminium alloy, cold rolled steel
Drainage	Drainage cap
Housing coating	Powder coated paint for low reflection
Housing opening	Rear side
Ventilation	Natural ventilation, forced air ventilation system
Protection level	P2 (front IP65; rear IP54)
Door stop system	Yes, upon request
Ambient temperature range	Better than T2 (-40℃ ~ +55℃)
Pollution resistance	D2
Installation	Gantry, cantilever, column
Earth resistance	<1Ω

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VMS (Gantry)



VMS/DMS is an important equipment for monitoring and controlling system in both freeway and arterial road applications. By displaying variable messages, these signs give the traffic management center a powerful tool to improve traffic flow on busy expressways.

Features

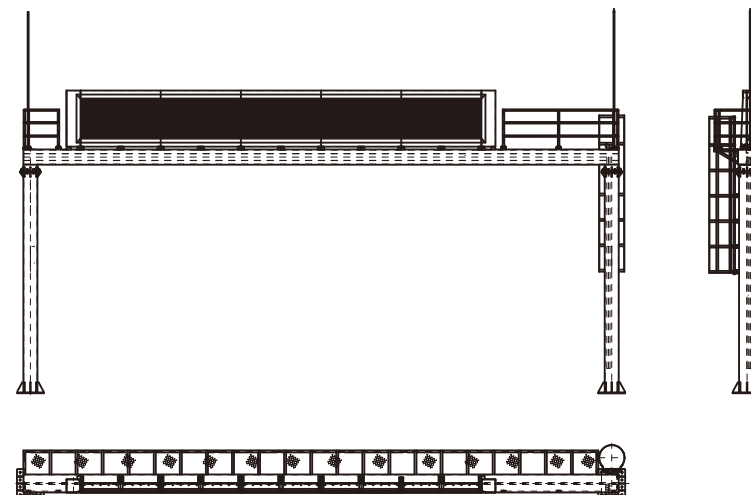
- It works for 7x24hrs.
- En12966 certificated.
- Nominal character sizes include 9", 13", 18" etc.
- With amber/red/green or full color LED of 30° or other viewing angles.
- Adaptable to any existing communication protocol, including NTCIP.
- Diagnostic system simplifies maintenance by monitoring and reporting the status of LED modules, power systems, ventilation components and more.

Full color sign for Picto

Amber sign for message

Extra Picto Sign (optional)

Model No.: P16, P20, P25, P31.25, P33.33



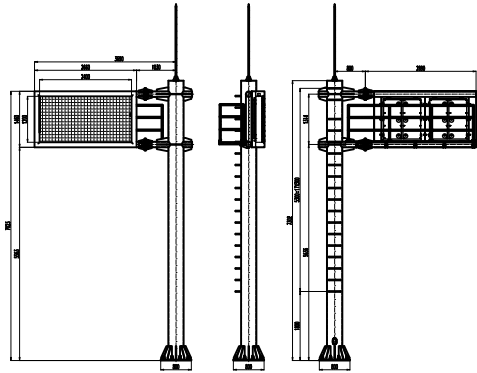
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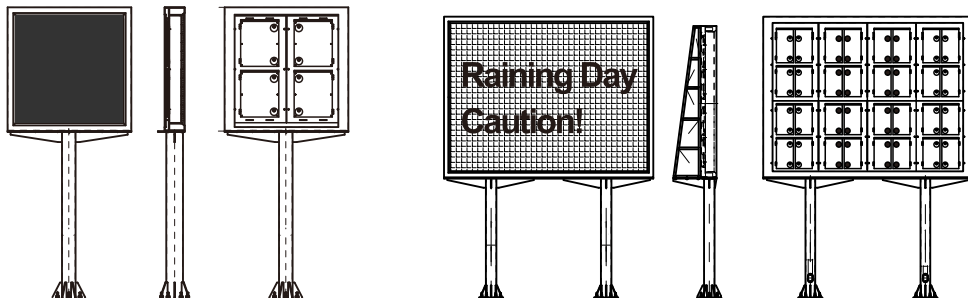
VMS (Cantilever/Column)

T and O VMS-Cantilever/Column are available in all types, including **Character Matrix**, **Line Matrix** and **Full Matrix**. We produce it in compliance of European & American standards, we can also produce it according to your OEM specifications.



Features

- It works for 7x24hrs.
- En12966 certificated.
- Nominal character sizes include 9", 13", 18" etc.
- With amber/red/green or full color LED of 30° or other viewing angles.
- Adaptable to any existing communication protocol, including NTCIP.
- Diagnostic system simplifies maintenance by monitoring and reporting the status of LED modules, power systems, ventilation components and more.



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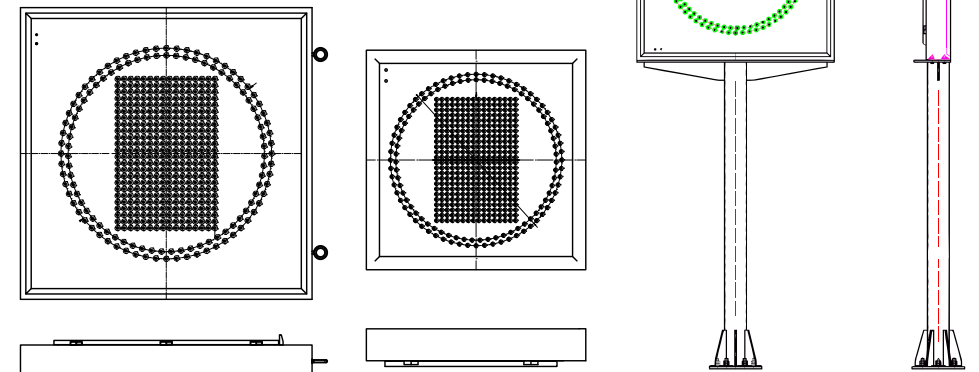
Variable Speed Limit Sign (VSLs)



T and O Variable Speed Limit Sign(VSLs) is an effective way to attract driver's attention, specially while driving on expressway or on road nearby school zones, hospital or residential neighborhoods. We offer a full range of VSLs of different sized roundels to increase the speed limit awareness, which complies with En12966.

Features

- Housing: Aluminium alloy/cold rolled steel.
- Diameter of red circle: 781mm/1170mm or customizable
- LED cluster technology.
- High legibility for drivers on road.
- Shock-resistant configuration.
- Rear access maintenance.
- Power input: 220V/380V AC /50Hz or 110V/60Hz.



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Lane Control Sign (LCS)



Model No.: CD350, CD600

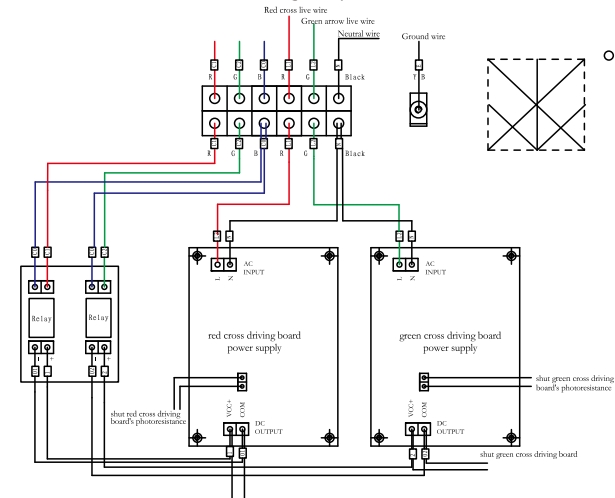
T and O Lane Control Signs (LCS) are "Red Cross and Green Arrow", directional LED signs which clearly show the lane usage status. They are usually installed in toll stations and tunnels for guiding and merging drivers to certain carriageway. The excellent mechanical design ensure visibility in varying weather conditions.

There is build-in sensor for measuring the ambient illuminance to adjust the brightness of the sign accordingly. These indicators are available in versions of single side, double sides, 2-aspect-in-1 or 3-aspect-in-1.

- Weather-proof
- Ultra high brightness LED
- Complies with internal CIE standard
- When the arrow/cross aspect is turned on by the power, the Relay will feedback an electric-level signal to the PLC of the controlling center

Application:

Tunnel, tolls station and carriageway.



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Traffic Guiding Sign



T and O Traffic Guiding Signs are designed to provide convenience to choose routes so as to avoid traffic jams by informing drivers about the traffic status ahead. They are usually installed on highway and city road. We are expected to design and produce the high performance signs as per your requirements.



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Die-casting Rental Series



Features

- The die-casting aluminum series, improves the durability and provides seamless assembly.
- TZ series are not only for rental business , but also good for fixed installation.
- The mature technology and volume-production ensure stable quality.
- It must be your best choice for your business .



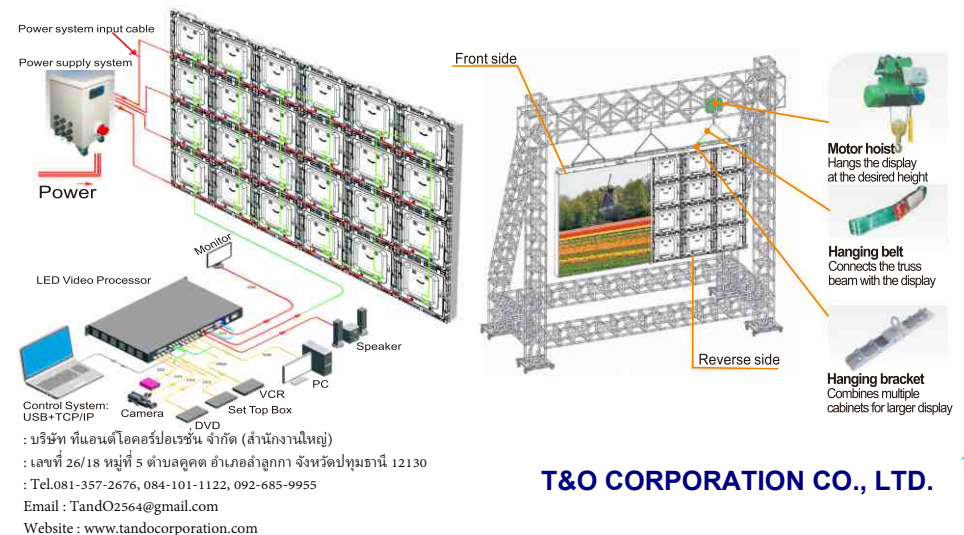
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Specification

Model number	TZ4.5	TZ5.14	TZ6	OV6
Pixel pitch	4.5mm	5.14mm	6mm	6mm
Application	Indoor	Indoor	Indoor	Outdoor
Pixel resolution Per/ cabinet(WXH)	128x128 pixels	112x112 pixels	96x96 pixels	96x96 pixels
Module resolution(WXH)	64x64 pixels	56 x 56 pixels	48x48 pixels	48x48 pixels
Pixel density/m ²	49,383 pixles	37,850 pixles	27,777 pixles	27,777 pixles
Brightness/m ²	1500CD	1800CD	2000CD	6500CD
Refresh rate	≥800HZ	≥1000HZ	≥1000HZ	≥1000HZ
Cabinet weight	11.5Kgs(0.576x0.576m)	11Kgs(0.576x0.576m)	10.5Kgs(0.576x0.576m)	11Kgs(0.576x0.576m)
Power consumption (per cabinet)	Max: 520w; Average : 300w	Max: 240w Average: 120w	Max: 230w; Average:100w	Max: 450w; Average: 200w
Cabinet description	aluminum touring cabinets with hanging function			
LED type	1R1G1B SMD 3-in-1 3528 or 1R1G1B SMD 3-in-1 3535			1R1G1B SMD 3-in-1 3535
Cabinet size(WXHXD)	576mm*576mm*105mm			576mm*576mm*83mm
Module size	Width:288mm, Height:288mm			
Grey scale	8196 steps			
Color number	550 billion			
Display mode	Synchronous with video source			
LED driving mode	1/8 scanning, constant current			
Viewing angle	Vertical 120° Horizontal 160°			
Temperature range	-10°C to +50°C			-15°C to +55°C
Service access	Front/Rear			
Protection level	Front: IP31 Rear: IP31			Front: IP65 Rear: IP54
Lifetime	100,000hr			
Input power	AC110V to 220V			



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Outdoor Curtain Series



Features

T and O Outdoor Curtain Series provides:

- Waterproof and high brightness can meet your outdoor rental business needed by day time.
- Flexible panel can meet your round and curved shape design.
- Quick and easy assembly by hand without using tools.
- Good transparent rate, and high contrast ratio.
- Wide view angle and light weight panel can make any stage design proposal.
- Aluminum heat sink design with good dissipation.

Application: Concert, Rental, Billboard, Building curtain



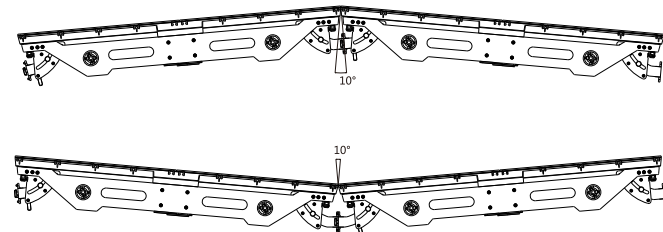
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Specification

Model number	PH10 (S10)	PH20 (V10)
Pixel pitch	10 mm	20 mm
Application	Outdoor use . Temporary use for rental in event or fixed installation on building surface	
Pixel density/m ²	10,000 pixels	2,500 pixels (Virtual 10,000pixels)
LED type	SMD 3535 3-in-1	2R1G1B DIP oval
Panel pixel(WXH)	64 x 64 pixels	32 x 32 pixels
Panel size(WXH)	640mm*640mm*80mm	
Module size(WXH)	640mm x 160mm	
Panel weight	12kgs	
Panel material	Aluminum and engineering plastic	
Brightness	≥6,500cd / m ²	≥7,000cd / m ²
Grey scale	8196 steps	
Color number	550billion	
Display mode	Synchronous with video source	
Data refresh rate	≥2000Hz	
LED driving mode	Static, constant current	
Viewing angle	Horizontal: 120° Vertical: 120°	Horizontal: 110° Vertical: 55°
Protection level	IP65	
Temperature range	-20°C ~ +60°C	
Ambient humidity	10%-99%	
Service access	Front	
Transparency	35%	
Contrast ratio	3,500:1	2000:1
Power consumption(per panel)	Max.: 300W; Average: 200W	
Working voltage	AC90~260V	
Control system	Linsn	
Color calibration	Radiant Imagi PM-LED	



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Indoor Series



T and O Indoor Series is simple to install and require minimal maintenance. The indoor LED display is based on modular structure which allows for a variety of sizes and lengths. In addition, Indoor LED display will make these LED signs noticed by your target audiences.

Features

- Low maintenance cost.
- Long durability and high reliability.
- Energy efficient.
- Versatile and effective.
- Sleek and compact design.
- Network transition available.

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: เลขที่ 26/18 หมู่ที่ 5 ตำบลคูคต อำเภอลำลูกกา จังหวัดปทุมธานี 12130
: Tel.081-357-2676, 084-101-1122, 092-685-9955
Email : TandO2564@gmail.com
Website : www.tandocorporation.com

T&O CORPORATION CO., LTD.



Specification

Specification	P1.9	P2.5	P3	P4	P6	P10
Pixel pitch	1.9mm	2.5mm	3mm	4mm	6mm	10mm
Led type	SMD1010	SMD2121	SMD1616	SMD2121	SMD3528	SMD3528
Pixel density(pixels/m ²)	275625	160000	111111	62500	27777	10000
Cabinet size	480x480mm			512x512mm	768x576mm	960x960mm
Cabinet resolution(wxh)	252x252	192x192	160x160	128x128	128x96	96x96
Brightness/m ²	≥800 cd	≥800 cd	≥1200 cd	≥1500 cd	≥1800 cd	≥1000 cd
Max. Power consumption	750 W/m ²			680 W/m ²	450 W/m ²	340 W/m ²
Aver. Power consumption	280 W/m ²			230 W/m ²	400 W/m ²	300 W/m ²
Viewing angle	H: 160°/ V:160°		H: 120°/ V:100°		H: 120°/ V:160°	
Gray scale correction	65536		4096		4096	
Contrast ratio	3000:1	5000:1	4000:1		3000:1	
Led driving mode	Constant Current drive					
Constant current drive	1/14	1/16			1/8	
Frame ratio	50/60 Hz					
Refresh ratio	≥3200Hz		≥1000Hz			
Operating temperature	-10℃~+55℃					
Operating humidity	10~90%RH					
Relevant standard	CE / UL/CCC					
Control distance	120m/UTP network cable, 15km/Optic Fiber					
Best viewing distance	≥1 m	≥2m	≥3m	≥4 m	≥5 m	≥8 m

* Also available P5, P7.62, P8 and more models.



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Outdoor Series



T and O Outdoor Series is the best advertising LED display as it provides high brightness, waterproof and stability quality. It is used for permanent fixed installation projects and can meet any size requirement for outdoor video advertising and media screen.



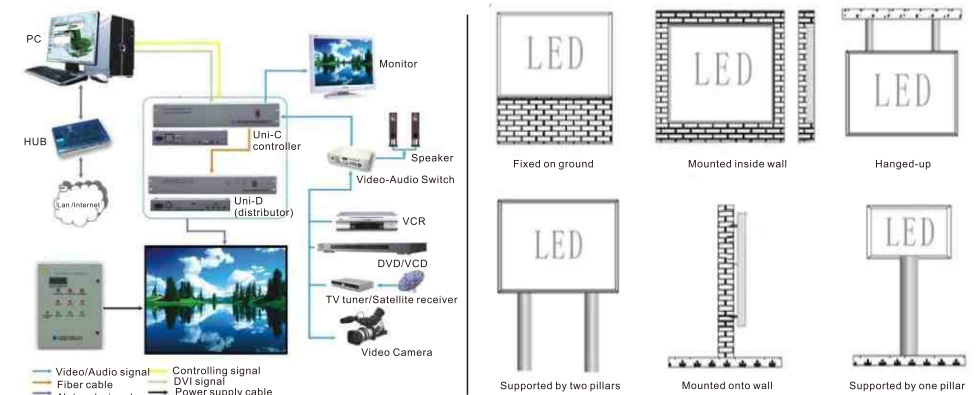
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Specification

Model number	PH6	PH10	PH12	PH16
Pixel pitch	6.00mm	10.00mm	12.00mm	16.00mm
Pixel configuration	SMD 3 in 1	1R1G1B	2R1G1B/1R1G1B	2R1G1B/1R1G1B
Standard cabinet size (WXHXD)	768mm*768mm*150mm	960mm*800mm*150mm 960mm*960mm*150mm	960mm*768mm*150mm 960mm*960mm*150mm	1024mm*768mm*150mm 1024mm*1024mm*150mm
Module resolution(WXH)	32 x 32 pixels	16 x 16 pixels	16 x 16 pixels	16 x 16 pixels
Module size	192mm*96mm	160mm*160mm	192mm*192mm	256mm*256mm
Pixel density/m²	27,777 dots/m²	10,000 dots/m²	6,944 dots/m²	3,906 dots/m²
Brightness/m²	≥6,500CD	≥6,500CD	≥7,000CD	≥7,500CD
Refresh rate	≥1000Hz	≥1000Hz	≥1200Hz	≥2000Hz
Standard cabinet weight	38Kgs	45Kgs	45Kgs	50Kgs
Power consumption/m²	Max: 900 w Average: 470w	Max: 750 w Averag : 375w	Max: 800w Averag : 425w	Max: 900 w Average: 475 w
LED drive mode	1/8 scanning, constant current	1/4 scanning, constant current	1/2 scanning, constant current	Static, constant current
Cabinet description	Outdoor rental use / fixed install (metal/ Aluminium alloy)			
Grey scale	8196 steps			
Color number	550billion			
Viewing angle	Vertical 120° Horizontal 160°	Vertical 50° Horizontal 110°		
Temperature range	-20℃ to +60℃			
Service access	Rear			
Protection level	Front: IP65 Rear: IP54			
Lifetime to 50% brightness	100,000hr			
Input power cable	AC110V to 220V			
Display mode	Synchronous with video source			



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Sports Perimeter Series



T and O Perimeter Series is specially designed for exceptional performance in large stadiums. Soft mask is adopted to prevent LED display from being damaged. The extreme durability and new safety features enable the display to be used in sport arenas worldwide.

Features

- High brightness and gray scale.
- Simple connection design, easy to assemble and disassemble.
- Durable and safe impact-resistant mask.



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Specification

Specification	P10	P16	P20
Module size	160x160 mm	128x256 mm	320x160 mm
Pixels density	10000 dots/m ²	3906 dots/m ²	3906 dots/m ²
Pixel configuration	1R1G1B	2R1G1B	2R1G1B
Pixel resolution	16*16 dots	8*16 dots	8*16 dots
Working voltage	DC5V	DC5V	DC5V
Cabinet size	960x960mm	1024x768mm	1024x960mm
Quantity of module	36 pcs	24 pcs	24 pcs
Total weight	59 kgs	51 kgs	78 kgs
Pixel per cabinet	60x40 dots	64x48 dots	64x48 dots
Best viewing distance	12-80 m	15-110 m	25-130 m
Best viewing angle	120°(H) /90°(V)		
Temperature	storage: - 35°C ~ + 85°C		
Operation humidity	working: - 20°C ~ + 65°C ≤90 ~ 95%		
Thickness	18cm		
Working voltage	AC220V ± 10%		
Max. Consumption	≤800 w/m ²	≤1000 w/m ²	≤650 w/m ²
Aver consumption	350-420 w/m ²	400-600 w/m ²	300-370 w/m ²
Current	≤20mA(single LED)		
Control method	Synchronization		
Driving device	Constant Current		
Drive type	1/4 scan	static	static
Refresh frequency	≥480Hz/s		
Grey scale/colors	256 levels of each color(R/G/B)/ 16.7M colors		
Brightness	≥6500 cd/m ²	≥6000 cd/m ²	≥6000 cd/m ²
Brightness adjustment	255 levels of each color(R/G/B) by software		
Video signal	PAL/NTSC		
Control system	DVI display card + full color controller card		
Input power	AC110V/220V		
Service access	Rear/Front		
Protection level	Front:IP65, Rear:IP54		
MTBF	≥10, 000 hours		
Life span	≥70, 000 hours		
Flatness	Tolerance of modules between ≤1.5mm Tolerance of pixel pitch≤0.3mm		

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I-AD LED advertsing board



T and O I-AD series is specially designed LED advertising board for long life span with high brightness for any size to overcome the limitation of Billboard and LCD.

Installation Quick & Easy

I-AD is indoor/outdoor LED display designed for fast installation, which the owner doesn't need to spend time for redecoration and technician training. Plug it and use it. It comes with an adjustable bracket which makes the panel slim and strong.

Operation Convenient

I-AD can be controlled and operated via network cable, 3G, WIFI, IR remote control or simply a flash-key. After adding the video, picture or text, the screen will display these content automatically and circularly in asynchronous way.

Function Brightness & Power Saving

I-AD has indoor and outdoor models for various application. Meanwhile we offer pixel pitch from 3mm to 6mm to display high definition video and picture to fulfill customer's demand. The brightness control function helps to save energy in daily use.

Application:

Shopping mall, Boutique, Retail shop, Movie theater, Restaurant, Bar, Auto showroom, Hotel lobby, Metro station, Art gallery, Airport, Museum, etc.

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Specification

Indoor				
Model	P2SRGB	P3SRGB	P4SRGB	P6SRGB
LED type	SMD2020	SMD2020	SMD2020	SMD3528
Brightness	≥1200CD/m²	≥2000CD/m²	≥1500CD/m²	≥1500CD/m²
Resolution	320(W) ×768 (H)	256(W) ×512 (H)	192(W) ×384 (H)	128(W) ×256 (H)
Pixel Pitch	2.5mm	3mm	4mm	6mm
Consumption (Max/Ave)	1600W/800W	1600W/400W	1200W/500W	900W/350W
Screen weight	80Kg	42Kg		
Screen Dimension	800mm×1920mm	850mm×1698mm		
Viewing Angle	Horizon : ≥120° Vertical: ≥120°			
Work Voltage	AC200~240V			
Protection Grade	IP43			
Temperature	-20℃ ~+50℃			
Humidity	10%-90%	5%-95%		

Outdoor		
Model	P3SRGB	P6SRGBO
LED type	SMD3535	SMD3535
Brightness	≥5500CD/m ²	≥6500CD/m ²
Resolution	256(W) × 512 (H)	128(W) × 256 (H)
Pixel Pitch	3.9mm	6mm
Consumption (Max/Ave)	1600W/600W	900W/400W
Screen weight	45Kg	42Kg
Screen Dimension	1000mm×2000mm	768mm×1536mm
Viewing Angle	Horizon : ≥120° Vertical: ≥120°	
Work Voltage	AC220~240V	
Protection Grade	IP65	
Temperature	-20°C ~+50°C	
Humidity	5%-95%	

Comparison

I-AD	Billboard	LCD
video, picture	×	video, picture
any size	any size	limited size
high brightness	×	×
long lifespan	×	×

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MEGA Pad Interactive Touch Screen



- Real Time Software Update.
- Permanent Power-Off Memory.
- File Management Functions - Rename, Copy, Delete and Directory.
- Infrared Touch Screen (Standard with Common Single/Double Touch, Optional Multi-touch).
- Video Play Functions - Pause, Fast Forward, Rewind, Stop, Loop, etc.
- Moving caption supported with text stored in memory card.
- Perfect Play Function: multiple formats supported - MPEG1, MPEG2, MPEG4, DVD, AVI, JPG, MP3, TXT, etc.
- Program Update: SD card contents update by automatic copy of USB driver(USB2.0 interface), and you can add or delete program by remote controller.
- Multi-language and multi-image effect, calendar clock can be displayed. Customized LOGO display.
- Dynamic horizontal or vertical UI.
- Image can be played in SLIDE SHOW(slide mode) with optional effect, 90°, 180°, 270° rotation. Image zoom, image pan.
- Individual power on&off, super timer function, up to 5 timed periods per day, unmanned management for 7x24hrs, automatic operation on working days and holidays.
- Remote control, Single key switch video, image and music, Single key switch through directory, with key control functions of Volume, Audio Channel Switch, Pattern Switch, Mode, Previous/Next, FF/REW, Play/Pause, etc.
- Automatically boot looping play when powered up with single cycle or list cycle, support multi-mode of image, music, video or mixed (image & music), support timing play and play in sync, programmed list play, specified file play.

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Specification

Screen	LG 55 inch (Cutomization acaitable)
Resolution	1920*1080
Screen aspect ratio	16:9
Backlight type	LED backlight
Brightness	≥300cd/m ² ☒
Brightness adjustment	Adjustable
Touch sensor type	Infrared touch screen
Response time	< 5.0ms
CPU	Cortex-A9, speed up to 1.5 GHz
GPU	Quad-core Mali-450 GPU
Memory	DDR3 2G
Storage space	8G (extensible)
Wired network	1000Mbps
Wireless network	802.11 b/g/n
Interface	HDMI: 3 inputs, HDMI1/HDMI2/HDMI3 VGA: 1 input,VGA1 Av: 3 inputs, AV1/AV2/YPbPr USB: 1 USB3.0, 2 USB2.0 Audio: Input and output/microphone
Camera	Resolution 640*480 or higher
External device	Wireless mouse and keyboard, large-capacity removable disk
Operation system	Android4.3
Working voltage	AC220V±15% 50Hz
Consumption	140W maximum
Mean time between failure	> 10000h
Working temperature	-20°C~+60°C
Working humidity	10%-90%RH
Cabinet material	Cold-rolled galvanized steel
Dimension	1800 *1296 *80 mm
Weight	80Kg



MEGA PAD Remote-controller



MEGA PAD Somatic Remote Controller



MEGA PAD Somatic Remote Controller (board)

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LED Street Light G3 60-300W



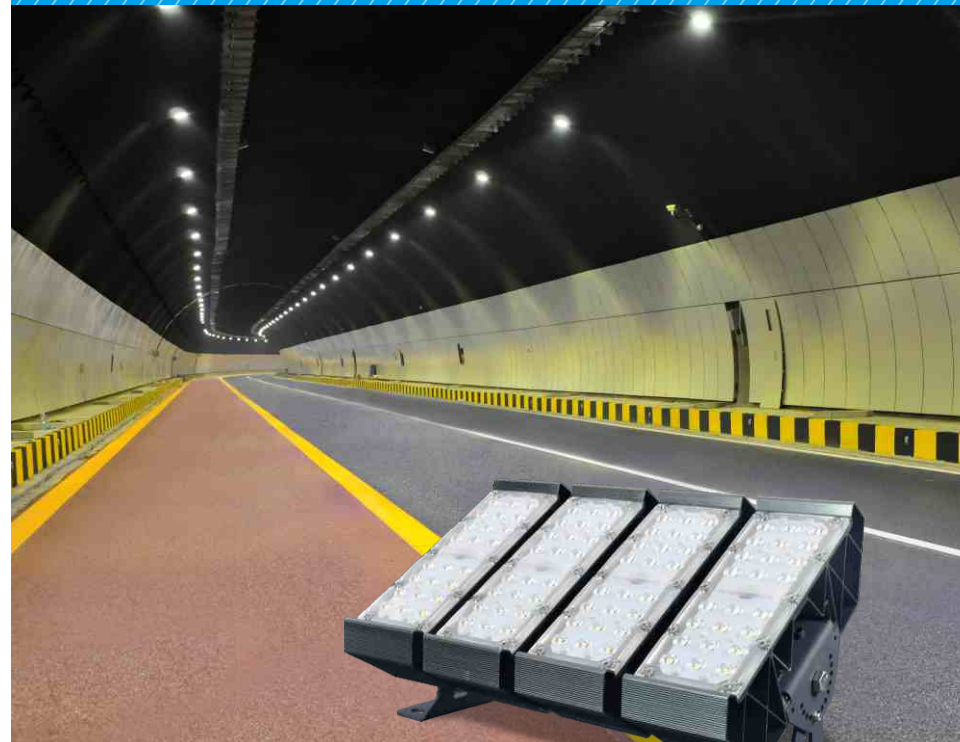
- Separate module design to ensure better heat dissipation and longer lifetime.
- Professional self-cleaning design to prevent sand, dust and leaves stacked.
- UL, DLC, TUV, SAA, CE, IK08, BIS, IP67 Certified to be safe, saving electricity bill and strong enough.
- UV stabilized PC lens, protecting from sun burn, keeping the original brightness for years.
- Timing, Photo cell, Microwave Induction, Solar system, Auto-Induction .etc can be added.

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LED Tunnel Light T3 30-300W



- Newest downwind and dustproof heat sink increases many times dissipation area, which makes tunnel light long life.
- Separate porous module design improve heat dissipation ability by times, which achieve to be longer lifetime.
- Stress area of the lamp is not on screw thread. It is very suitable for the vibration environment of the tunnel.
- Improved U-shaped load-bearing structure, adjustable installation angle (adjustment accuracy $\leq 15^\circ$).
- Intelligent control system compatible.

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Notes
