

Marine Electronics Display

The weather can be very unpredictable and variable in the ocean. DATA IMAGE provides marine display solutions not only replace the traditional push button but also offer all weather protection such as sunlight readable, rain and shock resistance and anti-erosion from salt water and dust. Our marine display solutions are suitable for all type of boats and ships including fish finder, fishing boat, vessel container, and yacht.



- ✓ Sunlight readable
- ✓ High brightness
- ✓ PCAP & water proof touch
- ✓ Cover lens coating
- ✓ Anti-Shock & Vibration
- ✓ Anti-Corrosion
- ✓ High thermal stability
- ✓ IP grade

Marine electronics in Medium/Large Size



Size	Resolution	LCD type	BL Luminance	Operation Temp
4.3"	480 x 272	TN	300 / 720	-30°C~85°C
5"	800 x 480	TN	500 / 1000	-30°C~85°C
7"	1024 x 600	IPS	500 / 1000	-30°C~85°C
9"	1280 x 720	IPS	500 / 1000	-30°C~85°C
10.1"	1280 x 800	IPS	1000 / 1500	-30°C~85°C
12.1"	1280 x 800	IPS	1000 / 1500	-30°C~85°C
15.6"	1920 x 1080	FHD / SFT	1000 / 1500	-20°C~70°C
18.5"	1920 x 1080	FHD / SFT	1000 / 1500	-20°C~70°C
21.5"	1920 x 1080	FHD / AHVA	1000 / 1500	0°C~50°C
24"	1920 x 1080	FHD / AHVA	1000 / 1500	0°C~50°C
27"	1920 x 1080	IPS	300	0°C~50°C

Industrial Display

DATA IMAGE offers complete all display solutions for ruggedized industrial HMI. Our products are highly reliable and stable and provide features including high brightness, high resolution, LED backlight, optimized touch technology, and extreme temperatures operations. For the special environment and extreme weather, our products are designed to be touchable by gloves and wet fingers, water resistant, anti-condensation, shatterproof, and saltwater resistant. The products can be fully customized for any particular requirements.



- Drive for display maximum performance and increase agility.
- High efficiency and optimization display technology.
- Reduce risk and stay secure.
- Optimized touch technology for various operating characteristics and environment.



- ✓ Advanced Optical Bonding
- ✓ High brightness
- ✓ Sunlight readable
- ✓ High thermal stability
- ✓ Glove touch
- ✓ Shatterproof
- ✓ Water resistant & wet finger touch
- ✓ Thick cover touch

Outdoor & Digital Signage Display

DATA IMAGE provides outdoor large size display with high brightness, high resolution, water resistant and anti-condensation, which is suitable for public information signage that operates during the sunny and rainy day. Our products are highly stable, with the technologies of narrow bezels and free-form, we provide completely customized solutions for our customers' special needs.



- ✓ Advanced Optical Bonding
- ✓ High brightness
- ✓ Sunlight readable
- ✓ High thermal stability
- ✓ Shatterproof
- ✓ PCAP & water resistant
- ✓ AR coating glass
- ✓ Reduced reflection

Size	Resolution	LCD type	BL Luminance
24"	1920 x 1080	TN	1000
27"	1920 x 1080	IPS	800 / 1000
32"	1920 x 1080	FHD	1000 / 1500
37"	1920 x 540	IPS	700
42"	1920 x 1080	FHD	700 / 1500
46"	1920 x 1080	FHD	700 / 1500

Intelligent Appliance Display

Touch panel technology has been widely used on intelligent electronic appliances such as echo spot, thermostats, coffee maker, water dispenser, washing machine, and refrigerator, etc. The key issues of touch panel on intelligent appliances include the responsiveness, machine operating temperatures, and the needs of water and dirt resistance. DATA IMAGE offers complete customized solutions for our customers.



- ✓ High brightness
- ✓ PCAP & water resistant touch
- ✓ Cover lens coating
- ✓ Anti-Shock & Vibration
- ✓ High thermal stability
- ✓ Mechanical design for IP grade

Size	Resolution / Diameter (Active Area)	LCD type	BL Luminance	Operation Temp
HMI / Home Appliance				
3.5"	320 x 240	IPS	1000	-20°C~70°C
4.3"	800 x 480	IPS	1000	-20°C~70°C
5"	800 x 480	MVA	1000	-20°C~70°C
7"	800 x 480	IPS	1000	-20°C~70°C
7"	1024 x 600	IPS	1000	-20°C~70°C
10.1"	1200 x 1920	IPS	1000	-20°C~70°C
Knob Display				
1.3"	Φ32.34 mm	IPS	220	-20°C~70°C
2.1"	Φ53.38 mm	MVA	480	-20°C~70°C
3"	Φ74.3904 mm	IPS	1000	-30°C~85°C

Vehicle Display

Touch panel technology has been widely applied to vehicle applications, such as instrument cluster, center information display (CID), and in-car entertainment system. The applications not only applied to the general car but also motorcycle, industrial vehicle, agricultural vehicle, and golf cart. DATA IMAGE provides a full range of vehicle display solutions with its free-form, curved design and touch panel technologies. Our products are excellent in high brightness, high resolution, wide viewing angle, low reflection, and extreme temperature stability, which can be used in any type of vehicle.



- Motorcycle
- Construction
- Agriculture
- Leisure
- Extreme Sport
- ✓ Shatterproof & vandal proof
- ✓ Reduced reflection
- ✓ Improved clarity

- ✓ All weather touch display
- ✓ High reliability and stability
- ✓ Sunlight readable
- ✓ High brightness
- ✓ Prevent condensation
- ✓ Impact resistance
- ✓ Shock resistance

Size	Resolution	LCD type	BL Luminance	Operation Temp
Vehicle Cluster				
7"	1024 x 600	IPS	1000	-30°C~80°C
10.1"	1920 x 1200	IPS	1000	-30°C~80°C
10.25"	1280 x 480	IPS	800	-30°C~85°C
12.3"	1920 x 720	IPS	1000	-30°C~80°C
Meter Gauge				
2.1"	320 x 320	MVA	480	-20°C~70°C
3"	432 x 432	IPS	1000	-30°C~85°C
3.4"	800 x 800	IPS	1000	-30°C~85°C
4.2"	720 x 720	IPS	1000	-30°C~85°C

Medical Display

DATA IMAGE has researched and developed in medical displays with features including anti-bacterial, scratch-resistant, extreme temperature stability, high brightness and high resolution. We provide the professional level of medical instrument display and touch panel which can combine membrane switch control and other material of interface. DATA IMAGE has the technologies of free-form, multi-touch, curved design and a full range of customized solution, which is able to meet the special requirements and standards for medical use.



- ✓ PC for medical qualification requirements
- ✓ 3D PC cover with Touch Display
- ✓ Optical Bond (3D PC – Touch sensor – Display)

Size	Resolution	LCD type	BL Luminance (nit)	Operation Temp	Longevity (year)
5.7"	640xRGBx480	TN/VGA	500/1000	-20~70°C	>10
7"	800xRGBx480	IPS/WVGA	300/500/1000	-20~70°C	>10
7"	1024xRGBx600	IPS/SVGA	300/500/1000	-20~70°C	>10
10.1"	1280xRGBx800	IPS/HD	300/500/1000	-20~70°C	>10
10.1"	1920xRGBx1080	IPS/FHD	300/500	-20~70°C	>5
12.1"	1280xRGBx800	IPS/FHD	300/800/1000	-20~70°C	>10
13.3"	1920xRGBx1080	IPS/FHD	300/500	-20~70°C	>5
15"	1024xRGBx768	IPS/HD	500/1000	-20~70°C	>10
15.6"	1366xRGBx768	IPS/HD	300/500/1000	-20~70°C	>10
15.6"	1920xRGBx1080	IPS/FHD	500/1000	-20~70°C	>5

Round TFT DISPLAY

Motor Bike Gauge TFT Display



Vehicle Digital Cluster



Marine Gauge



HMI Control Knob / Encoder



Motor Bike Gauge TFT Display

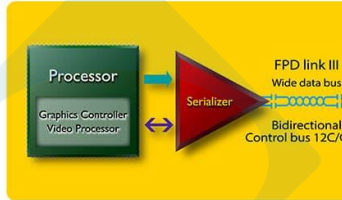


Display	2.1" TFT LCD	2.47" TFT LCD	3" TFT LCD	4.2" TFT LCD
Resolution	320(H) x (R,G,B) x 320(V)	480(H) x (R,G,B) x 480(V)	432(H) x (R,G,B) x 432(V)	720(H) x (R,G,B) x 720(V)
LCD type	MVA	IPS	IPS	IPS
Brightness	480	400	1000	1000
Operation Temperature	-20 ~ +70 °C	-20 ~ +70°C	-30 ~ +85 °C	-30 ~ +85 °C
Interface	MIPI or RGB	MIPI	TTL	TTL
Touch	N/A	N/A	PCAP	PCAP

Function



Vehicle Digital Cluster



Tachometer RPM
Speedometer MPH
Odometer
Oil Quantity
Water Temp
Oil Pressure
Communication
NMEA 2000
SAE-J1939
Analog Input

Meter Gauge		
Display	3" TFT LCD	4.2" TFT LCD
Resolution	432(H) x (R,G,B) x 432(V)	720(H) x (R,G,B) x 720(V)
LCD type	IPS	IPS
Brightness	1000	1000
Operation Temperature	-30 ~ +85 °C	-30 ~ +85 °C
Interface	TTL	TTL
Touch	PCAP	PCAP

Vehicle Cluster		
Display	7" TFT LCD	5" TFT LCD
Resolution	1024(H) x (R,G,B) x 600(V)	800(H) x (R,G,B) x 480(V)
LCD type	IPS	IPS
Brightness	1000	1000
Operation Temperature	-30 ~ +85 °C	-20 ~ +70 °C
Interface	TTL	TTL
Touch	PCAP	PCAP

Marine Gauge



Marine Gauge solution

- Multi-functional round LCD instrument, including Speedometer, Tachometer, oil pressure, oil level, water temperature, Odometer
- Round 2.1" or 3" LCD display with LEDs backlight
- Waterproof design
- Support SAE-J1939, NMEA2000 and analog input



Production Specification		
Display	7" TFT LCD	5" TFT LCD
Resolution	1024(H) x (R,G,B) x 600(V)	800(H) x (R,G,B) x 480(V)
LCD type	IPS	IPS
Brightness	1000	1000
Operation Temperature	-30 ~ +85 °C	-20 ~ +70 °C
Interface	TTL	TTL
Touch	PCAP	PCAP

Small size 1.3" & 2.1"

- Watch/wearable design
- Gaming button
- Control wheel/knob

Medium size 3" & 4.2"

- Information display
- Access control
- Water system control
- Face recognition system
- Smart home device
- BL brightness 200~500nits
- OGS and Low cost IC controller

Display	1.3" TFT LCD	2.1" TFT LCD	3" TFT LCD	4.2" TFT LCD
Resolution	240*RGB*240	320*RGB*320	432*RGB*432	720*RGB*720
LCD type	IPS	MVA	IPS	IPS
Brightness	220	400	500	500
Operation Temperature	-20 ~ +70 °C	-20 ~ +70°C	-20 ~ +70 °C	-20 ~ +70 °C
Interface	SPI	MIPI or RGB	TTL	TTL
Touch	N/A	N/A	OGS	OGS

