

Industrial IR2 Touch Screen Series

Overview:

Many industrial applications require the use of touch screens that can withstand harsh environments. The IR2 series consists of extremely robust and reliable touch screen LCD's ideally suited to factory, industrial and public access environments.

Enclosure:

The enclosure includes a dust and water resistant front panel sealed to IP54. The glass is toughened and impact resistant making it both scratch and cut resistant. With only a light beam being interrupted when the screen is touched, there is nothing to be worn away with high use over time. The frame is steel, and can be supplied in either silver or black.

OSD:

The comprehensive OSD menu is strategically placed at the back rather than the front so that it is out of sight when in public or harsh environments.

Standard Features:

- Sealed front panel rated to IP54 (Dust & Water Resistant)
- Toughened impact resistant front panel glass (Scratch & Cut Resistant)
- Easy care cleaning
- Frame constructed from steel
- No need for recalibration - ever.
- Silver and black bezel options
- VESA mounting point
- OSD controls on the rear rather than the front
- 3 year warranty

Options:

- Serial touch input (Standard is USB)
- Video input (Composite, S-video)
- 19" Rack Mount
- Stand for desk / counter mounting
- VESA mounting brackets and stands.

Touch Technology:

The IR2 utilises infrared touch technology, which we believe to be the leading touch technology on the market today. Infrared touch technology has the following benefits:

- Accepts input from any pointing device including fingers, gloves, pens etc. Other touch technologies may only work with a stylus or finger and may not accept input from gloved fingers, pens etc.
- The touch does not drift so there is never a need for recalibration, making deploying them extremely efficient over time. Other touch technologies may require the frustrating and costly process of regular recalibration.
- The screen does not have the additional layer of clear film which causes loss of clarity in other touch technologies. This makes it particularly clear and pleasant to use and enables the best presentation of high end images.
- Only a light beam is interrupted when the screen is touched, so there is no wear and tear through use. Other technologies may be abraded and worn out over time, and can be easily vandalised or accidentally damaged.

Applications:

- Industrial / factory controls
- Machine integration
- Kiosk integration



Industrial IR2 Touch Screen Series Specifications:

Model		10IR2	12IR2	15IR2	17IR2	19IR2
LCD Panel	Display Size	10.4"	12.1"	15.0"	17.0"	19.0"
	Display Type	VGA TFT	SVGA TFT	XGA TFT	SXGA TFT	SXGA TFT
	Max. Resolution	640X480	800X600	1024X768	1280X1024	1280X1024
	Response Time(R/D)	(5/20)ms	(10/20)ms	(3/13)ms	(1.2/3.8)ms	(1.3/3.7)ms
	Pixel Pitch	0.33X0.33mm	0.3075X0.307mm	0.297X0.297mm	0.264X0.264mm	0.294X0.294mm
	Brightness	400cd/m2	400cd/m2	250cd/m2	250cd/m2	250cd/m2
	Contrast Ratio	300:1(Typical)	500:1(Typical)	500:1(Typical)	800:1(Typical)	300:1(Typical)
	Viewing Angle (Typical) (CR>5)	60 ° /60 ° (L/R) & 40 ° /50 ° (U/D)	65 ° /65 ° (L/R) & 50 ° /60 ° (U/D)	75 ° /75 ° (L/R) & 70 ° /75 ° (U/D)	88 ° /88 ° (L/R) & 85 ° /85 ° (U/D)	88 ° /88 ° (L/R) & 85 ° /85 ° (U/D)
	Display Area	211.1X158.4mm	246.0X184.5mm	304.128X228.96mm	337.92X270.33mm	376.32X301mm
Input Signal	Supported	VGA,Audio, (Input / Output Only – no speakers)				
	Video Signal (Optional)	Composite & S-video (PAL/Secam / NTSC)				
Resolution	Supported	640X350@70Hz 720X400@70Hz 640X480@60~75Hz z	640X350@70Hz 720X400@70Hz 640X480@60~75Hz 800X600@56~75Hz	640X350@70Hz 720X400@70Hz 640X480@60~75Hz 800X600@56~75Hz 1024X768@60~75Hz z	640X350@70Hz 720X400@70Hz 640X480@60~75Hz 800X600@56~75Hz 1024X768@60~75Hz 1280X1024@80~70Hz	
	Recommended	640X480@60Hz	800X600@60Hz	1024X768@60Hz	1280X1024@60Hz	
Power Consumption		On Working < 30 watt, Off < 3 watt				
OSD Control	Function (Standard)	Brightness, Contrast, Position(H/V Position), Clock(Clock, Phase, Use), Color (Color temperature, User Adjustment), Language, Information, OSD(OSD Time, H/V position, Use)Auto Adjust				
	Function (Optical Video)	Color(Contrast, Brighness, Gamma, Color Temp, Color Adjust)Picture (H/V Position Phase, clock Sharpness), Function(Audio Adjust, Auto Color), OSD Menu(Langue, OSD H/V Position , OSD Timer, Transiucent MISC (Signal, Source, Power Light, Reset), Sound(Sound, Volume)				
	Language	English, French, German, Italian, Spanish				
Plug & Play		DDC1 / DDC2B				
Power Saving		VESA DPMS				
Power Supply Adapter		Input AC 100V~240V ,50~60Hz, Output 12V DC				
Operating Temperature		0°c to 50°c Operating				
Storage Temperature		-20°c to 65°c Storage				
Operating Humidity		10%RH to 90% RH Operating, 10%RH to 90% RH Storage				
Dimensions (mm)		289 X 236.4 X 43	319.5 X 260.5 X 45	382 X 302 X 56	411 X 348 X 60	460 X 392 X 64.5
Weight(Net/Gross)		4kg	4.6kg	5.9kg	7.2kg	8.5kg
Standard Accessories		15-PIN VGA Cable, AC adapter, Power cord, USB Cable, Driver CD				
Touch Screen		Infrared				
Touch Screen Interface		USB (Serial Optional)				
Other Options		VESA Mounting Accessories				
Operating Systems Supported		Windows XP, Windows Vista and Windows 7 (please check for others)				
Warranty		3 years				

Note: These specifications are subject to change without notice.

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