Outdoor High Brightness Industrial Monitors Auto-dimming IP65 Protection

Size: 7" - 21.5"

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TOUCH   HDMI   DVI   VGA   DC

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High-brightness industrial monitors for outdoor use are specialized display solutions designed to deliver clear, vibrant visuals in bright outdoor environments. These monitors feature enhanced brightness levels and robust construction to withstand harsh weather conditions, making them ideal for outdoor applications such as digital signage, outdoor kiosks, transportation displays, and industrial monitoring systems.

Product Model Fast Guide

Model Name	Screen Size	Resolution	Aspect Ratio	Brightness
SD070-M8	7"	1024*600	16:9	800cd/㎡
SD101-M8	10.1"	1280*800 / 800*1280	16:10	1000cd/㎡
SD104-M8	10.4"	1024*768	4:3	800cd/㎡
SD116-M8	11.6"	1920*1080	16:9	900cd/㎡
SD120-M8	12"	1024*768	4:3	1000cd/㎡
SD150-M8	15"	1024*768	4:3	1000cd/㎡
SD156-M8	15.6"	1920*1080	16:9	1000cd/㎡
SD170-M8	17"	1280*1024	5:4	1000cd/㎡
SD173-M8	17.3"	1920*1080	16:9	1000cd/㎡
SD190-M8	19"	1280*1024	5:4	1000cd/㎡
SD215-M8	21.5"	1920*1080	16:9	1000cd/㎡

Product Features

● High Brightness Levels: These monitors are engineered from industrial-grade quality, and equipped with high-brightness displays typically ranging from 800 nits to 1000 nits or more, significantly higher than standard indoor industrial monitors. The increased brightness ensures excellent visibility even in direct sunlight or high ambient light conditions, maintaining readability and legibility of content.

● Sunlight Readability Enhancements: To further improve visibility in bright outdoor environments, high-brightness industrial monitors may incorporate sunlight-readable technologies such as anti-glare coatings, optical bonding, and high-contrast displays. These enhancements reduce glare, reflections, and screen washout, enhancing the overall viewing experience.

● Rugged Construction: High-brightness industrial monitors are built with durable materials and rugged enclosures to withstand exposure to harsh weather elements, temperature fluctuations, moisture, dust, and vandalism. They feature robust designs that meet IP65 (Ingress Protection) ratings for water and dust resistance, ensuring long-term reliability in outdoor environments.

● Wide Operating Temperature Range: These high nits industrial monitors are designed to operate reliably within a wide temperature range, typically from -20°C to 70°C or higher, ensuring consistent performance in extreme weather conditions. They incorporate advanced thermal management techniques to dissipate heat effectively and maintain internal components within operational limits.

● All-Weather Shelters: When high-brightness industrial monitors are installed in outdoor environments, a weather-proof shelter should be installed to protect the monitor from environmental hazards. These shelters are ruggedized to prevent water ingress, dust infiltration, and damage from impacts or vandalism.

● Energy Efficiency: Despite their high brightness levels, these monitors are designed to be energy-efficient to minimize power consumption and operating costs. They may incorporate LED backlighting technology, low-power components, and intelligent power management features to optimize energy usage without compromising performance.

● Connectivity and Integration: High-brightness industrial monitors offer a range of connectivity options, including HDMI, DisplayPort, VGA, and RS-232, enabling seamless integration with various input sources and industrial systems. They may also support remote monitoring and management capabilities for convenient operation and maintenance.

CPU	RTD2513 and RTD2556 options	
Interface Parameter	Touch interface	RJ45 port standard (defined as USB)
	HDMI	Support HDMI data input, maximum support 1080P
	VGA	1
	DVI	1
	DC Port	1*DC2.1, support 12V-36V wide voltage power supply
	Earphone Jack	Standard 3.5mm port
	Audio Port	Audio I/O
	I/O Expansion	Support I/O customization for various industries
Screen Parameters	Viewing Angle	160°/160, full viewing angle 178° can be customized.
	Backlight Type	LED, lifetime ≥50000h
	Grayscale Response Time	5ms
	Touch Technology	Capacitive, resistive, and non-touch
Product Reliability	Working Temperature	-20°C ~ 70°C
	Storage Temperature	-30°C ~ 80°C
	Operating Humidity	0% ~ 90% RH, non-condensing
Power Parameters	Power Consumption	≤35W
	Power Input	DC 12V~36V
Packaging Specification	Warranty Policy	One year warranty
	Packaging List	Industrial monitor, embedded buckles, VGA cable, power adapter, power cord, warranty card, instruction manual.