



49" High Brightness Monitor

Overview

High Brightness Panel

1,500 cd/m² makes sure this display will always be seen whatever the weather. Over 5 times brighter than that of a standard domestic television to improve the displays image clarity.

LED Backlight

Improves brightness and contrast as well as improving their lifespan and reducing their power consumption. Unlike other forms of light this technology is mercury free; making it even more eco-friendly. The panel and backlight have a lifespan in excess of 50,000 hours.

Blackening Defect Resistant

The Ultra High Brightness Monitor is resistant to blackening defects. Able to withstand surface temperatures up to 110°C with no blackening defect occurring,

Integrated Android Media Player

The integrated Android Media Player allows for super fast updates. If required you can also run third party Digital Signage software via the Android PC board.



Commercial Grade

Designed for use in commercial applications this screen can run 24/7. No external buttons or controls to avoid tampering.

Attach Devices

If you want to use the screen as a monitor you can attach devices via HDMI and VGA.



Advanced Temperature Control

Designed to run 24/7 in constant use the display has an advanced temperature control system to keep it running at the optimum temperature no matter the environment.

Network Upgrade

The screen can be upgraded to become a network screen that unlocks a host of new features including remote updates and multiple media zones.



Plug and Play

Plug and Play is the easiest and most simple way to upload content to the screen. Simply load images and videos on a USB stick, insert in the display. Wait for your content to copy over and then remove. Your images and videos will now play in a continuous loop

RS-232 Control

Once your screens are connected via RS-232 you can control, scale and customise all of your displays remotely over short and long distances.

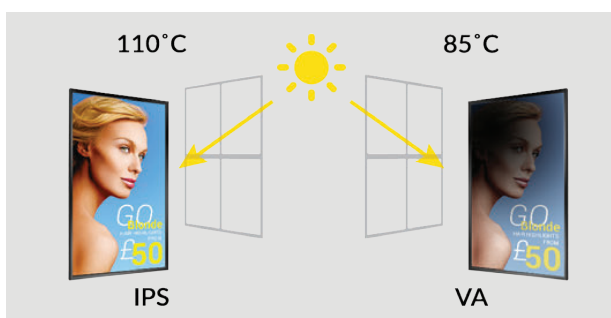
Portrait/Landscape Orientation

The screen can be used in either a landscape or portrait orientation depending on your requirement.



Window Displays

Brightness is paramount when using outward facing screens, these displays use commercial grade IPS High Brightness panels (1500 cd/m²); more than 5 times brighter than a standard home TV and an ultra wide viewing angle to allow easy readability in window displays with unbeatable image quality, stability and colour accuracy.



Blackening Defect Resistant

The 49" High Brightness Monitor is resistant to blackening defects that occur when LCD displays are placed in direct sunlight. Able to withstand surface temperatures up to 110°C with no blackening defect occurring, this is the number one choice for Digital Signage in window displays.



Temperature Control

The internal air-conditioning system allows the screens to be in constant use in an outward facing window. Internal fans keep their panels and other internal components at the optimum working temperature; ensuring a long and reliable life for your screens.





Features

Plug and Play



The High Brightness Monitors come with a built in HD Android media player, allowing you to update them using a USB memory stick. Load your media onto a USB memory stick then insert it into the display. The files will copy onto the screen. Once you remove the memory stick the screen will then start playing the pictures and videos in a continuous loop.

Environmentally Friendly Power Timer



This allows for reduced power usage by automatically powering off in hours that the displays are not required. You can set daily On/Off times for your displays.

Built-in Speakers



The display has two integrated slimline speakers for applications that involve an audio element.

24/7 Usage



Built with commercial grade panel and components these displays are designed to run 24/7 in constant use; unlike domestic screens. The panel also has a lifespan of over 50,000 hours of continuous use. They can also be used in landscape or portrait orientation.

Optional Network Upgrade



For a small charge you can also upgrade your screen to be networked, allowing you to remotely update your screen via LAN, WiFi or 3G.

Panel	Display Size		49 Inch
	Resolution		1920x1080
	Display Area (mm)		1073.78x604
	Aspect Ratio		16:9
	Brightness (cd/m ²)		1,500
	Blackening Defect Free		Up to 110°C (230°F)
	Colour		16.7M
	Viewing Angle		178°
Audio	Contrast Ratio		5000:1
	Speaker Type		2W, 5Ω (x2)
AV Inputs	Video		HDMI, VGA
	Audio		Audio Socket (3.5mm)
Power	Power Consumption (W)		300
	Input Voltage		AC110~240V (50Hz~60Hz)
Mechanical	Unit Size (WxHxD mm)		1121.58x651.8x58
	VESA Holes (mm)		400x400
	Net Weight (Kg)		23.2
	Gross Weight (Kg)		28.8
	Package Size (WxHxD mm)		1275x784x234
Environmental	Operating Temperature		0°C to 50°C
	Storage Temperature		-30°C to 60°C
	Operating Humidity		10% to 80%
	Storage Humidity		5% to 95%
Computer	Internal Media Player	Media Formats	Video (MPG, AVI, MP4, RM, RMVB, TS), Audio (MP3, WMA), Image (JPG, GIF, BMP, PNG)
		Media Resolution	1920x1080/1080x1920
		Internal Memory	6GB
		CPU	Quad-Core Cortex-A17@1.61GHz
		GPU	Mali-T760 MP4 @600MHz
		RAM	2GB DDR3
		ROM	8GB NAND
		USB	USB2.0 HOST (x2)
		LAN	10/100M Ethernet (Network Version Only)
		Wi-Fi	802.11b/g/n/ac (Network Version Only)
		OS	Android 5.1.1
		Graphic Engine	OpenGL ES 1.1/2.0/3.0/3.1, OpenCL 1.1, Renderscript, Direct3D 11.1
		Special Features	Images, Videos, Audio, Scrolling Text Message, On/Off Timer, On Screen Clock, Media Rotation
Accessories	Included		Scheduling Software, Remote Control, Key, User Manual
	Optional		Network Upgrade, Touch Screen Upgrade, Special Wall Mount, Floor Stand/Trolley, Ceiling Mount, Table Stand

Technical Drawing:



Errors and omissions excepted

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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