

# BRINGING **IDEAS** TO LIFE

Our approach to delivering a digital signage solution to your **health & safety** environment.









## HEALTH & SAFETY AT WORK



# 28.2m

working days lost due  
to work-related ill health  
and non-fatal workplace  
injuries in 2018/19

Source: Estimates based on self-reports  
from the Labour Force Survey

# DIGITAL SIGNAGE INCREASES HEALTH & SAFETY AWARENESS

## 200%

INCREASE  
AUDIENCE  
RETENTION  
RATE

## 63%

MORE PEOPLE  
SAY THAT DIGITAL  
SIGNAGE  
CATCHES  
THEIR EYE

## 28.2 MILLION

WORKING DAYS LOST  
THROUGH ILL HEALTH  
& NON-FATAL  
WORKPLACE INJURIES  
IN 2018/19

## 600 THOUSAND

WORKERS  
SUSTAINED A  
NON-FATAL  
INJURY IN  
2018/19

## 83%

RECALL RATE  
FOR DIGITAL  
SIGNAGE

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# OVERVIEW



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## - OVERVIEW -

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A digital signage solution to fulfil current and future requirements as outlined below:

- To improve the engagement of employees, contractors and customers with visually stimulating signage which will increase engagement
- To utilise data capture and feedback to drive future safety strategies
- Display engaging content to highlight important safety messages
- Content Management System (CMS) to give autonomy from a central location to manage multiple remote screens ensuring consistency of brand and messaging
- To support enhanced technical applications planned for the future

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## - STATISTICS FOR H&S PROFESSIONALS USING DIGITAL SIGNAGE -

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- Digital Signage reduces workplace injuries by 20%
  - Where digital signage is deployed in high risk environments, the ROI is 4-6 times more than the spend due to less illnesses, accidents and compensation
  - 83% recall rate of content shown on a digital screen
  - 20% of people will read the text on a page, but 80% of people will watch a video
  - Digital Signage attracts 400% more attention than traditional signs
  - Digital signage enhances internal communication and creates higher levels of engagement
-



# -PRODUCT RANGE-

## HARDWARE

At Media Group we offer an extensive range of digital screen hardware, allowing us to provide the right solution for the right environment.

From our UK logistics facility, screens can be dispatched with 72 hours of order.

The following units are popular choices for working environments:

### 10 INCH POS SCREEN

- Tablet style aesthetics
- Plug and play USB media player
- Power-over-Ethernet
- RS-232 remote control
- Commercial grade; designed for constant use 24/7
- Scrolling text

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### ANDROID SCREEN

- Tablet style aesthetics
- Plug and play USB media player
- Use in portrait or landscape (wall-mounted)
- Commercial grade; designed for constant use 24/7
- Scrolling text

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### HIGH-BRIGHTNESS & ULTRA HIGH-BRIGHTNESS SCREEN

- Ultra high brightness panel (2,500 cd/m<sup>2</sup>) or high brightness panel (1500cd/ m<sup>2</sup>)
- Direct sunlight; resistant to blackening up to 110°C
- Temperature control system
- Plug and Play USB media player
- Use in portrait or landscape
- Commercial grade; designed for constant use 24/7
- Scrolling text

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### HANGING DOUBLE SIDED DISPLAY

- 700 cd/m<sup>2</sup>
- Direct sunlight; resistant to blackening up to 110°C
- Double sided (option of displaying different content to each side)
- Integrated hanging system
- Wide viewing angle

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### OUTDOOR WALL MOUNTED DISPLAYS

- IP65 Rated - water and dust proof
- Sunlight readable - high brightness
- Vandal proof
- Smart air conditioning system
- Anti-reflective glass
- Plug and play USB media player
- Network upgradeable
- Lockable cabinet

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## -PRODUCT RANGE-

### OUTDOOR FREESTANDING DISPLAY

- IP65 Rated - water and dust proof
- Sunlight readable - high brightness
- Vandal proof
- Smart air conditioning system
- Anti-reflective glass
- Plug and play USB media player
- Network upgradeable
- Lockable freestanding enclosure

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### 49 INCH DIGITAL ANDROID BATTERY A-BOARD

- 12 hour battery life
- Fully portable
- Integrated castors
- Ambient light sensor
- Tempered glass front

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### 8 INCH FACIAL RECOGNITION THERMOMETER DISPLAY

- 8" Commercial Grade IPS 24/7 Panel
- Automated Contactless Temperature Checking
- High Security Facial Recognition with Strip Light Indicator
- Accurate Thermal Image with an accuracy of  $\pm 0.3^{\circ}\text{C}$
- Mask Detection System
- Fever Alarm
- All-In-One Hardware and Software Solution
- FREE Software which can be installed on PC or network  
Also works offline
- Synchronisation with visitor entry systems
- Multiple Mounting Options (Pole, Stand, Wall, Table)
- Optional Hand Sanitiser
- 3 Year Commercial Warranty with Lifetime Support

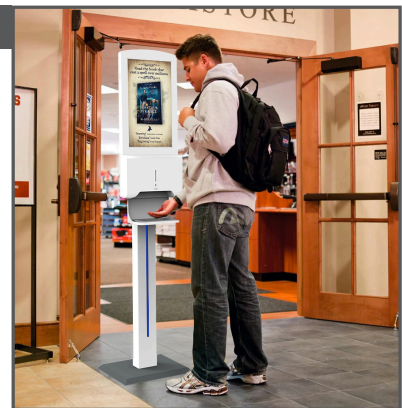
PAGE47



### 22 INCH HAND SANITISER NETWORK ANDROID ADVERTISING DISPLAY

- LG IPS Commercial Grade Panel (24/7 Usage)
- 450 cd/m<sup>2</sup> Brightness
- Complete Steel Enclosure
- Tempered Glass Front, ideal for public spaces
- Automatic Dispensing with Sanitiser Level Indicator
- Wall Mountable or Optional Freestanding Unit
- Plug & Play Update via USB
- Optional Network Upgrade (Requires Subscription)
- 3 Years Warranty

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Please refer to product specifications included.  
Hardware is subject to a full 3 year warranty and life-time technical support.





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## - TRAINING -

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At Media Group, we supply solutions, not just products, which is why we offer a free tailored training programme at our custom built showroom, to ensure users are fully confident in creation and deployment.

Additional support includes:

- An integrated support section with comprehensive tutorial videos and how to guides can be found at: <http://www.mysignageportal.com/support.html>
- Free life-time technical support is included via telephone or email, provided by the manufacturer

Onsite training can be arranged and has a 2 tier level of service:

- Basic system overview including: template and playlist creation, multi-zone layouts, publishing, scheduling and device management. £250.00 per day + mileage at UK standard rates
  - Full system overview with in-depth training on all aspects of the CMS including: organisational management, grouping, user management and 'touch' where applicable
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## - INSTALLATION -

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Our installation teams and engineers cover the whole of the UK and into Europe. From ground-works to working at height we can fulfil the most challenging of projects. Where required we offer electrical and data cabling services giving you a full end to end service.

Each job starts with a site-survey of which the results are collated and presented back to you with visuals showing the proposed units in situ which then become the working document to carry through to completion.

- We use technology to monitor the progress of our installations and our clients can also login for real time updates and reports
- A comprehensive Risk Assessment and Method Statement (RAMS) is completed for each site including relevant certificates and insurances. Samples are available on request
- Whether it's a single screen or a national rollout we have the know-how and resource to fulfil any type of project



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## -WARRANTY (UK MAINLAND)-

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- Covers hardware failure but excludes accidental damage or user error
- 14 day returns policy
- Free lifetime telephone support
- Any suspected hardware failure should be reported to us first
- We will then provide telephone technical support to determine hardware failure; hardware failure must be confirmed by us
- Standard 3 year warranty (for all listed products purchased after 18/01/2016)
- All screen sizes up to and including 55" are covered by a swap-out or collect and return service. Once hardware failure has been determined by us over the phone the screen should be repackaged using the original packaging
- At this point we, at our discretion, will either:
  - Arrange for collection of the faulty screen by a courier service, then once the screen is back with us it will either be repaired or replaced with a new unit
  - or
  - A replacement screen will be sent out and a courier service will be used to collect the faulty screen
- All deliveries and collections will be at the cost of us
- If the screen is not packaged correctly no liability will be taken by us if the product is damaged during transit
- If the screen is returned in full working order no liability will be taken by us and any costs incurred will be passed on to the customer

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### UK MAINLAND ONLY:

Screens sizes above and exclusive of 55" and freestanding (L-series) products are covered by an on-site service. Once hardware failure has been determined by us over the phone we will arrange for technician(s) to make an on-site visit to repair or replace the faulty screen.

- The screen(s) must be in a location accessible to our technician(s) and in no circumstances would our staff be expected to remove screens or disassemble non-standard installations or constructions or be expected to work above ground level
  - Where no genuine hardware failure has occurred a call out charge of at least £150 (+VAT) is payable for each visit
  - For customised or out of stock items the turnaround period is dependent upon factors such as, but not limited to, availability, production and shipping
-



# CONTENT MANAGEMENT SYSTEM



# -CONTENT MANAGEMENT SYSTEM [CMS]-

Our cloud based digital CMS offers users users flexible access to the portal. Campaign creation, edits and deployment can be made from anywhere that has an internet connection. And the simplicity of the ap means that only minimal IT support is required.

The user friendly interface enables quick and easy publishing of content to 1 or 500+ screens.

Features include:

- Rapid publishing
- Multi-zone layouts
- Screen synchronization
- Custom backgrounds and fonts
- Remote commands
- User management
- Reporting
- Scrolling text/RSS feeds
- Live webpage input
- Touch playlist creation

More information at [www.mysignageportal.com](http://www.mysignageportal.com)

## OVERVIEW

**BACKGROUNDS**  
Set an image or a colour to frame your media zones.

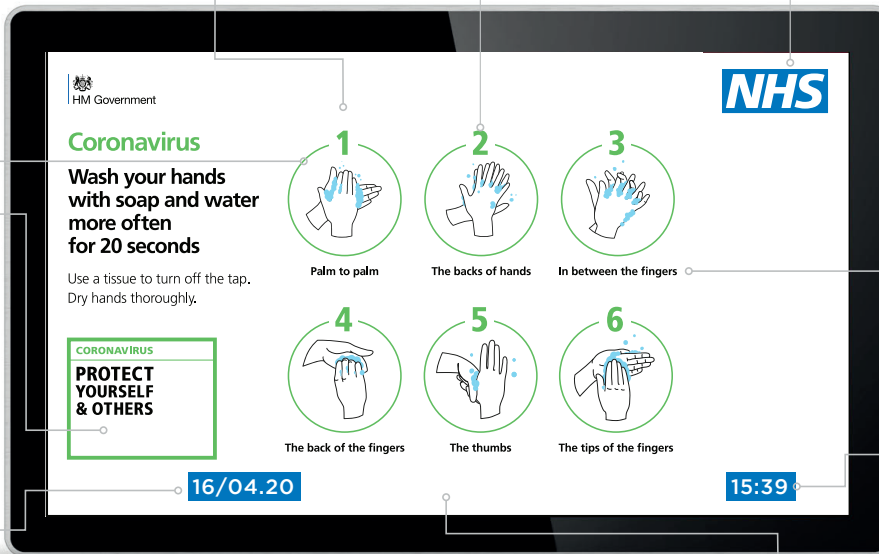
**Static Text**  
Allows you to input custom text values. Edit the font, colour and size of your text.

**LOGO**  
Brand your layout with your logo which will stay on top of all other zones.

**IMAGES**  
Multiple images playing in a continuous rolling loop.

**VIDEOS**  
Multiple videos playing in a continuous rolling loop.

**DATE**  
Display the date in a variety of formats, sizes and in whatever colour you want.



**OFFICE DOCUMENTS & PDFs**  
Display PDF files alongside Microsoft Word, Excel and PowerPoint files.

**SCROLLING TEXT**  
Display a ticker tape message or live RSS feed. From here you can adjust the font, size, colour, speed and direction of the text.

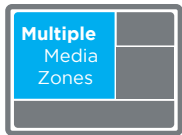
**TIME**  
Display the time in a variety of formats, sizes and in whatever colour you want.

**BROADCAST LIVE TV (ONLY COMPATIBLE WITH PPCNET-LIVE)**  
Transform existing screens into cloud based Digital Advertising Displays with a live television input. Simply connect a TV set-top box or desired input source into the media player via HDMI. Then connect the media player to a screen via HDMI and you can control everything via our CMS. It couldn't be simpler to integrate live TV with Digital Signage.

**WEATHER WIDGET**  
Display a real time weather forecast for up to the next three days.

# FEATURES

## CREATE CUSTOM LAYOUTS



This feature allows you to design your own layout with different media zones for your images, videos, webpages, time, date and also allows you to add a scrolling message or RSS feed. You can even give your layout a corporate “skin” to go around your media zones.

## CONNECTIVITY



Connect your Android Network Screens to the internet wirelessly via Wi-Fi or via a Local Area Connection. If an internet connection is not available a 3G router can be incorporated into the screen, meaning that we can provide an integrated network solution for any location.

## UPDATE FROM ANYWHERE



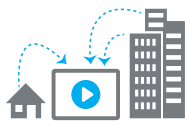
Content can be uploaded and managed from anywhere in the world via our web portal, simply login, upload your images and videos to our secure server and send them directly to your screens.

## SCHEDULE PLAYLISTS



Display what you like, when you like. Create playlists that will automatically display your desired content a pre-determined times and dates. Whatever your scheduling requirements, our system can support them.

## ULTIMATE REMOTE CONTROLS



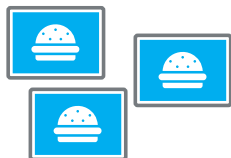
Thanks to the all-in-one nature of the screens you can remotely control functions such as adjusting your screen’s brightness, rebooting or formatting your screen, playing and stopping content, adjusting the volume and scheduling on/off times; a truly centralised solution.

## MANAGE USERS



Create as many bespoke user accounts as you like. You may wish to limit some functions of the software to specific users, for example you may wish to allow a receptionist to upload media and have access to the screen in the reception area but nothing else - our system allows full user rights control.

## MULTI SCREEN SYNCHRONISATION



You can synchronise the content across multiple screens that are connected to the same network. This is ideal for advertising networks on escalators or along lengthy corridors.

## RSS FEEDS



Display your RSS feed in the form of a scrolling text message. This can be anything from up-to-date news and weather to the latest movie reviews and currency exchange rates.

# HARDWARE & TECHNICAL SPECIFICATIONS





# HEALTH & SAFETY AT WORK



**0.6m**

workers sustained  
a non-fatal injury  
in 2018/19

## 10 INCH DISPLAYS TECHNICAL SPECIFICATION



## OVERVIEW

### 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 Tablet

Designed for use in commercial applications this screen can run 24/7. Strengthened glass front and no external buttons or controls to avoid tampering.

### Built in Wi-Fi

Connect the screen to the CMS wirelessly via the integrated Wi-Fi, ethernet or by LAN

### 10-Point PCAP Touch Technology

Using the most responsive and sensitive commercial touch technology available. Not affected by dust or debris on the screen surface.

### 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

### 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.



### Portrait/Landscape Orientation

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

### Integrated Mounting Solution

The rear of the display includes an integrated and secure screw based mounting solution.

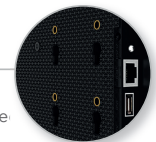
### Power Over Ethernet

Power the screen using an Ethernet cable or the power cable provided.



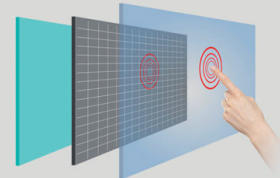
### RS-232 Control

Control, scale and customise your display over long and short distances using RS-232.



## PCAP TOUCH SCREEN

State of the art Projected Capacitive interactive technology offers the most responsive and sensitive touch experience available. Designed for commercial applications, PCAP touch technology works by fixing a sensor grid between a layer of cover glass and the LCD panel, when a finger touches the glass the grid detects the coordinates of the touch point. Unlike other touch technologies PCAP is not affected by dust or debris on the screen surface, allows for up to 10 touch points and offers superior optical quality.



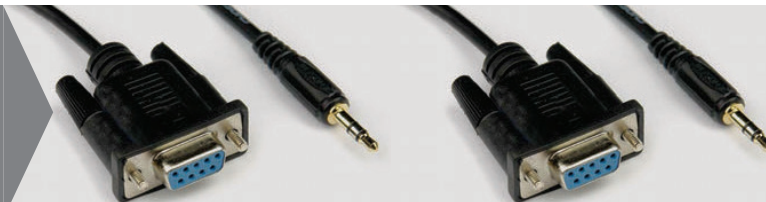
## POWER OVER ETHERNET

Your screen can either be powered using the power cable provided or by using an Ethernet cable. This makes the display extremely flexible, allowing you to supply power to the screen using the more convenient of the two methods.



## RS-232 CONTROL

Once your screen is connected via RS-232 you can control, scale and customise your display remotely over short and long distances.



## COMMERCIAL TABLET

Ideal for use in commercial applications these touch screens bring in a whole new level of audience engagement to your marketing campaigns. Unlike domestic touch tablets these screens can be in continuous use, thanks to their screwless design and enclosure made from light weight polymer these screens are ideal for shelf edge and POS displays. The screen comes with an integrated Android media player that means you can display content without the need for a dedicated PC.



# FEATURES

## 10 POINT TOUCH



Having up to 10 touch points allows for a wider variety of applications than ever before. This kind of functionality allows you to manipulate images, zoom in and out as well as perform many other touch gestures; much like you would with a domestic tablet. It also allows for multiple users interacting with the screen at one time.

## LED BACKLIGHT



The LED backlight used is not only eco-friendly but also ensures the display has enhanced brightness and contrast. This technology increases the lifespan and reduces the power consumption by around 30%. This form of light technology is mercury free; safeguarding this screen's eco friendliness.

## 24/7 USAGE



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

## ANDROID MEDIA PLAYER



Their integrated Android network media player provides super-fast processing speed for improved communication with the CMS. It also allows you to display live websites; this can be anything from a live web feed from a third party to your social media page. Should you need to you can also run your own software if you already have a CMS solution.

## 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.

# TECHNICAL SPECIFICATION



<b>Panel</b>	Display Size	10 inch	
	Resolution	1280x800	
	Display Area (mm)	217.95x136.65	
	Aspect Ratio	16:10	
	Brightness (cd/m <sup>2</sup> )	450	
	Colour	16.7M	
	Colour Depth	10 Bit	
	Viewing Angle	178°	
Contrast Ratio	800:1		
<b>Touch</b>	Touch Technology	Projected Capacitive	
	Touch Points	10	
	Glass Hardness	7H minimum	
<b>Audio</b>	Speaker Type	1.5W, 8Ω	
<b>Power</b>	Power Consumption (W)	18	
	Input Voltage	AC110~240V (50Hz~60Hz)	
	PoE Mode	24V Passive	
<b>Mechanical</b>	Unit Size (WxHxD mm)	239.9x169.2x26.8	
	VESA Holes (mm)	50x50	
	Package Size (WxHxD mm)	333x278x75	
	Net Weight (kg)	1.5	
	Gross Weight (kg)	2.2	
Working Temperature	0 °C to 50 °C		
<b>Feature</b>	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-A7 , up to 1.3GHz (RK3126)
		GPU	ARM Mali-400MP2
		RAM	1GB DDR3
		ROM	6GB NAND
		USB	USB2.0 HOST x1
		Wi-Fi	802.11b/g/n
		OS	Android 5.0.2
		Graphic Engine	OpenGL ES 1.1/2.0
<b>Accessories</b>	Optional	Cloud Network Software	





**HEALTH & SAFETY  
AT WORK**

**28.2m**

working days lost due  
to work-related ill health  
and non-fatal workplace  
injuries in 2018/19

**ANDROID DISPLAYS  
TECHNICAL SPECIFICATION**

# OVERVIEW

## 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.

## 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.

## Giant Tablet Styling

Designed to resemble a giant smartphone or tablet. The sleek and sexy look is achieved with a striking aluminium surround and stunning IPX1 rated edge-to-edge glass.

**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.

## Lockable Door

Secure access to the AV ports and USB ports to prevent any unwanted updates.

## Attach Devices

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



## 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.

## IPS Panel

With 450cd/m<sup>2</sup> the IPS panel shines brighter than any domestic television while delivering superior image quality and colour depth at 178° ultra wide viewing angle in both landscape and portrait orientations.

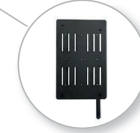


## Portrait/Landscape Orientation

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

## Free Wall Mount

The screen comes with a super-slim wall mount that allows the screen to be securely mounted in either landscape or portrait orientation.



(Excludes 19" & 22" model)

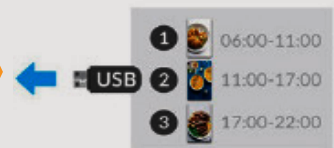
## PLUG AND PLAY

These displays have their own built in HD Android media player and require no additional hardware or software. Load your pictures and videos onto a USB stick, open the screen's locker door and insert the USB stick, this copies the files to the screen's internal memory. Once you remove the USB stick your pictures and videos will play in a continuous loop. It couldn't be simpler to get your content onto the screen.



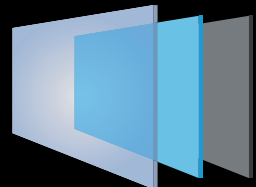
## FREE SCHEDULING SOFTWARE

These displays come with free scheduling software for displaying different content at different times of the day. If you prefer to keep it simple you can update the screen directly without using the software.



## IPS PANEL

Accurately displays an image's quality and colour depth at an 178° ultra wide viewing angle. There is no fall-off in colour accuracy and no diversion in contrast ratio at wide angles. From bright sunlight to the most challenging lighting environments these displays are designed to reproduce and maintain the ultimate colour temperature for lifelike images. The panel is also optimised for mounting in either landscape or portrait orientation.



## 24/7 COMMERCIAL USE

A commercial grade panel, with a lifespan of 50,000 hours, and high quality components ensure that this display can be in constant use 24/7. Tablet-like styling is achieved thanks to their tempered glass front and robust steel enclosure, framed in an unpainted aluminium surround, unlike cheap imitations.



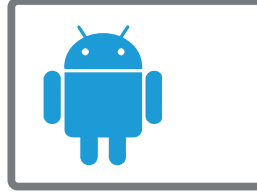
# FEATURES

## Free Wall Mount



A Wall mount is included with your screen at no extra cost, making sure you have a complete signage solution. Small sized screens come with a secure mounting plate that allows for landscape or vertical mounting. The larger size displays come with a free landscape wall mount but can also be mounted in portrait using a vertical wall mount.

## Android Media Player



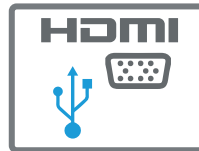
These screens are more easily updatable and faster than ever before. The Android PC board makes it easy to upgrade your screen to be networked. The Android Media Player also allows you to run 3rd party Digital Signage software.

## 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.

## Attach External Devices



Although the screens have an integrated Android Media Player, there is also a possibility to attach external devices if required. Simply connect your device to the screen, via VGA or HDMI.

## LED Backlight

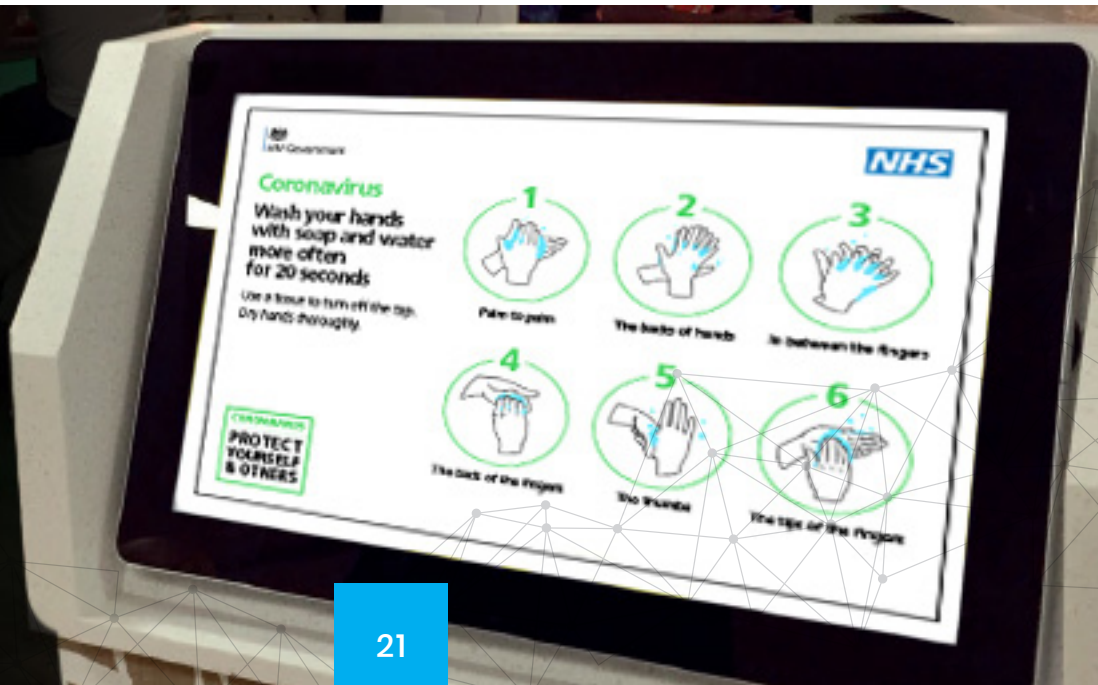


The LED backlight used is not only eco-friendly but also ensures the display has enhanced brightness and contrast. This technology increases the lifespan and reduces the power consumption by around 30%. This form of light technology is mercury free; safeguarding this screen's eco friendliness.

## 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.





# TECHNICAL SPECIFICATION

	Display Size	19 Inch	22 Inch	32 Inch	43 Inch	50 Inch	55 Inch	
<b>Panel</b>	Resolution	1920x1080						
	Display Area (mm)	408.6x229.6	478x269	699x394	942x525	1075.6x605.4	1211x682	
	Aspect Ratio	16:9						
	Brightness (cd/m <sup>2</sup> )	450						
	Colour	16.7M						
	Viewing Angle	178°						
	Contrast Ratio	5000:1						
	<b>Audio</b>	Speaker Type	2W, 5Ω (x2)		5W, 8Ω (x2)			
<b>AV Inputs</b>	Video	HDMI, VGA						
	Audio	Audio Socket (3.5mm)						
<b>Power</b>	Power Consumption (W)	16	22	52	65	75	85	
	Input Voltage	AC110~240V (50Hz~60Hz)						
<b>Mechanical</b>	Unit Size (WxHxD mm)	501x322x36	590x383x33.7	814x504x63	1045x638x63	1199x736x44	1366x837x50.1	
	Package Size (WxHxD mm)	580x430x120	655x485x120	956x605x164	1175x775x165	1357x867x176	1525x1016x214	
	VESA Holes (mm)	100x100 150x100	100x100	400x200	400x400			
	Net Weight (kg)	5.9	8.5	13.1	22.8	28.05	39.7	
	Gross Weight (kg)	7.8	10.3	16.9	30.2	37	49.7	
<b>Environmental</b>	Operating Temperature	0°C to 50°C						
	Storage Temperature	-30°C to 60°C						
	Operating Humidity	10% to 80%						
	Storage Humidity	5% to 95%						
<b>Computer</b>	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	Duel-Core Cortex-A9 @1.6GHz					
		GPU	Mali-400 MP4 @400MHz					
		RAM	1GB DDR3					
		ROM	8GB NAND					
		USB	USB2.0 HOST (x2)					
		LAN	10/100M Ethernet (Network version screen only)					
		Wi-Fi	802.11b/g/n (Network version screen only)					
		OS	Android 4.2.2					
		Graphic Engine	OpenGL ES 1.1/2.0, OpenVG 1.1					
<b>Accessories</b>	Included	Wall Mount, Scheduling Software, Remote Control, Key, User Manual						
	Optional	Network Upgrade, Touch Screen Upgrade, Special Wall Mount, Floor Stand/Trolley, Ceiling Mount, Table Stand						



**HEALTH & SAFETY  
AT WORK**



**£15bn**

Annual costs of work-related  
injury and new cases of ill  
health in 2017/18 excluding  
long latency illness

**HIGH-BRIGHTNESS &  
ULTRA HIGH-BRIGHTNESS  
SCREENS  
TECHNICAL SPECIFICATION**



# OVERVIEW

## 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.

## 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.

## High Brightness Panel

1500cd/m<sup>2</sup> 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.

\*47" is 2000cd/m<sup>2</sup>

## 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.

## 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

## 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 Ultra High Brightness panels (1500 cd/m<sup>2</sup>); more than 5 times brighter than a standard home TV to allow easy readability in window displays.

\*47" is 2000cd/m<sup>2</sup>



## PLUG AND PLAY

The High Brightness Professional Monitors come with a built in HD Android media player, allowing you to update them using a USB memory stick. Load your pictures and videos onto a USB memory stick then insert it into the display, which will copy the files into its internal flash memory. Once you remove the memory stick the screen will then start playing the pictures and videos in a continuous loop. They can also be updated remotely by upgrading your screen to be networked.



## 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

## 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.

## 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.

## Built-in Speakers

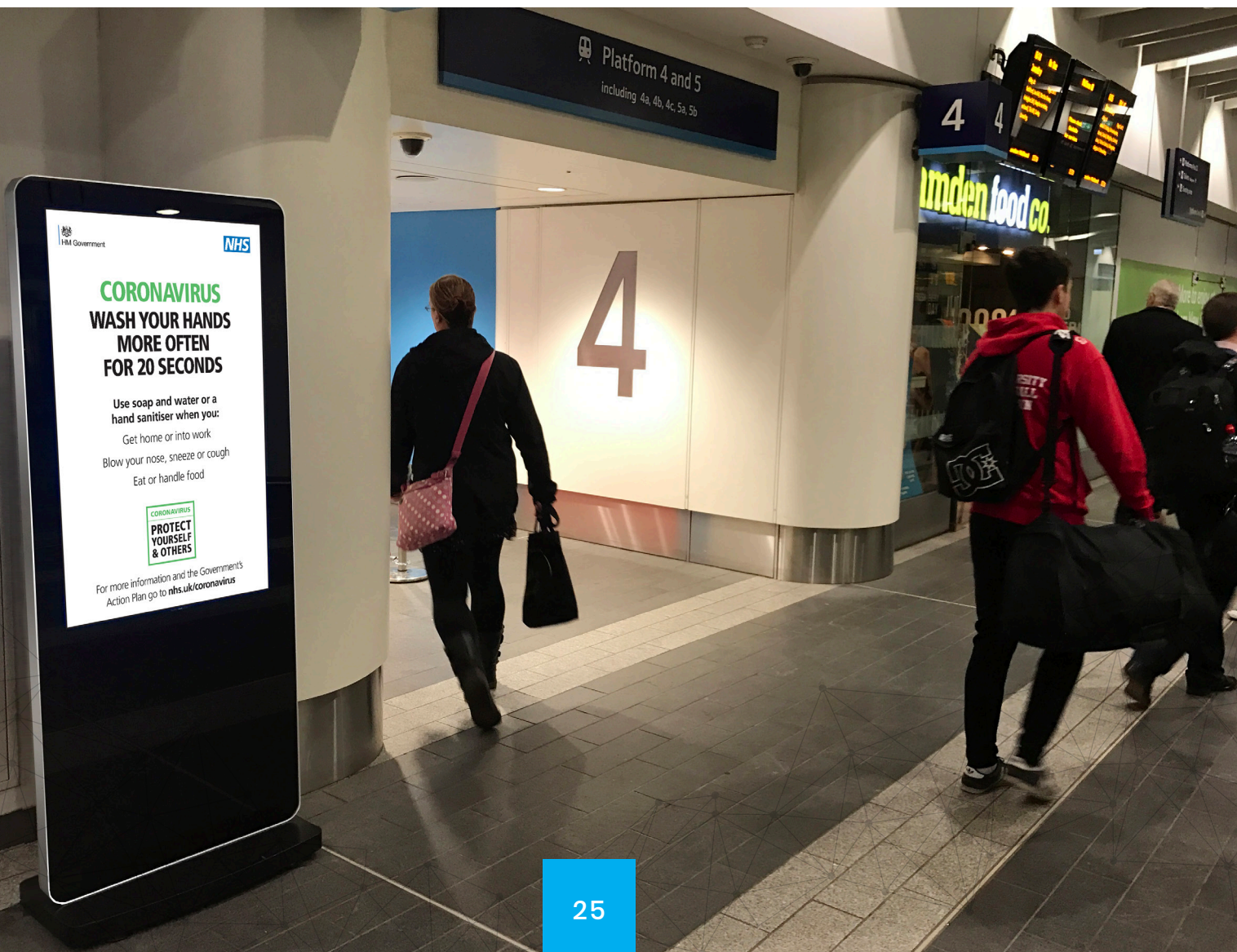


The display has two integrated slimline speakers for applications that involve an audio element.

## 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.

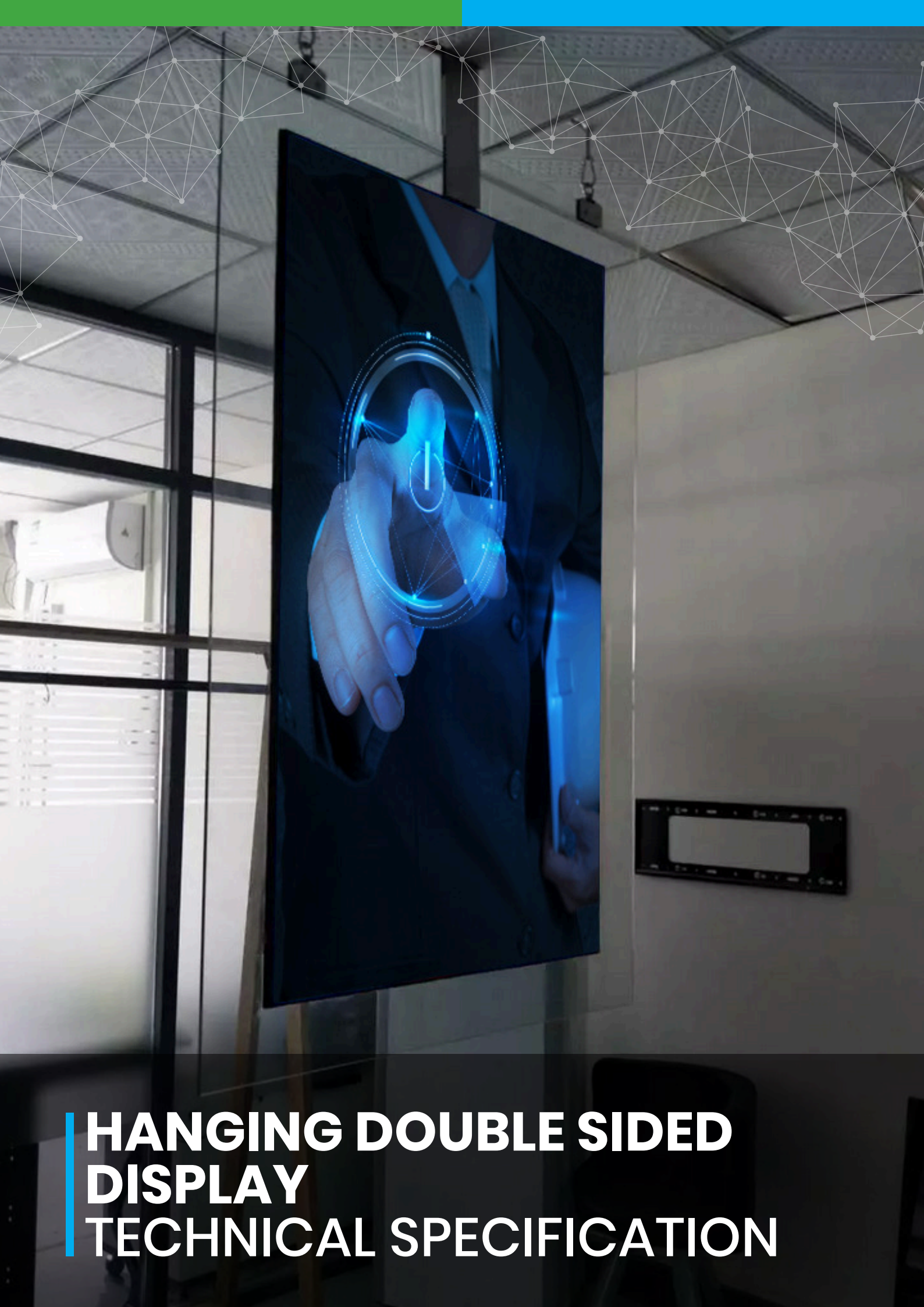




# TECHNICAL SPECIFICATION

	Display Size	32 Inch	43 Inch	47 Inch	55 Inch	65 Inch	
<b>Panel</b>	Resolution	1920x1080					
	Display Area (mm)	698.4x392.85	941.18x529.42	1044x589	1210.8x683	1428.5x803.5	
	Aspect Ratio	16:9					
	Brightness (cd/m <sup>2</sup> )	1500		2000	1500		
	Colour	16.7M					
	Viewing Angle	178°					
	Contrast Ratio	4000:1	3000:1	5000:1			
<b>Audio</b>	Speaker Type	2W, 5Ω (x2)					
<b>AV Inputs</b>	Video	HDMI, VGA					
	Audio	Audio Socket (3.5mm)					
<b>Power</b>	Power Consumption (W)	180	230	300	340	420	
	Input Voltage	AC110~240V (50Hz~60Hz)					
<b>Mechanical</b>	Unit Size (WxHxD mm)	762x458x78.5	987.2x575.1x57.2	1103.2x647.6x112	1275.6x746.4x101.8	1539x908.4x107	
	VESA Holes (mm)	400x200	400x400	600x400	400x400 400x500	600x400	
	Net Weight (kg)	15.2	24.5	27.75	38.75	63.25	
	Gross Weight (kg)	18.25	27.1	32.5	46.45	74.25	
	Package Size (WxHxD mm)	905x604x234	1075x650x170	1245x785x260	1430x898x260	1720x1100x321	
<b>Environmental</b>	Operating Temperature	0°C to 50°C					
	Storage Temperature	-30°C to 60°C					
	Operating Humidity	10% to 80%					
	Storage Humidity	5% to 95%					
<b>Computer</b>	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	Dual-Core Cortex-A9 @1.6GHz				
		GPU	Mali-400 MP4 @400MHz				
		RAM	1GB DDR3				
		ROM	8GB NAND				
		USB	USB2.0 HOST (x2)				
		LAN	10/100M Ethernet (Network version screen only)				
		Wi-Fi	802.11b/g/n (Network version screen only)				
		OS	Android 4.2.2				
		Graphic Engine	OpenGL ES 1.1/2.0, OpenVG 1.1				
		Special Features	Images, Videos, Audio, Scrolling Text Message, On/Off Timer, On Screen Clock, Media Rotation				
<b>Accessories</b>	Included	Wall Mount, Scheduling Software, Remote Control, Key, User Manual					
	Optional	Network Upgrade, Touch Screen Upgrade, Special Wall Mount, Floor Stand/Trolley, Ceiling Mount, Table Stand					

Errors and omissions excepted



# **HANGING DOUBLE SIDED DISPLAY TECHNICAL SPECIFICATION**

# FEATURES

43" 55"

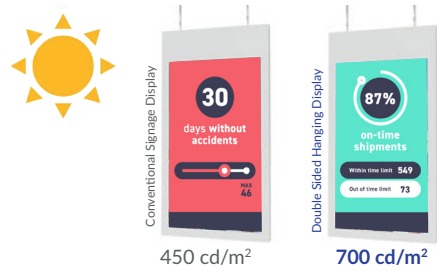
## Double Sided Window Display

Grab the attention of onlookers with the outward facing, sunlight readable screen. Once your customers are inside the building you can then use the inward facing display to reinforce your message further.



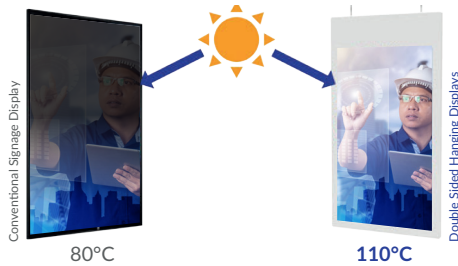
## Window Displays (700cd/m<sup>2</sup>)

Brightness is paramount when using outward facing screens, these displays use commercial grade high brightness panels (700cd/m<sup>2</sup>); more than twice the brightness of a standard home TV to allow easy readability in window displays.



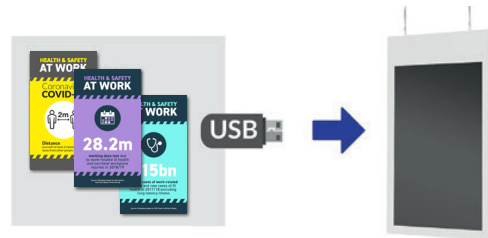
## Ultra Resistant Blackening Defect (up to 110°C)

LCD panels exposed to direct sunlight suffer from temporary blackening defect. These displays use a special high brightness panel that can withstand surface temperatures up to 110°C with no blackening defect occurring.



## Plug and Play

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



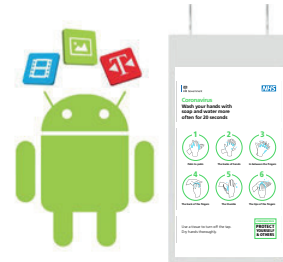
## 24/7 Commercial Grade

These displays use a commercial grade LCD panel and LED backlight. They have the ability to be in constant use 24/7 for over 70,000 hours; a true commercial grade solution.



## Integrated Android Media Player

There is an integrated Android media player inside the screen allowing you to upgrade to a network version without needing any additional hardware. You can also install third party Android apps if required.

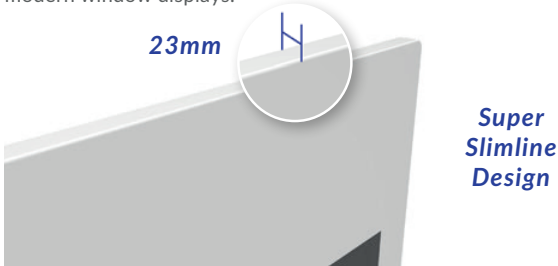


# FEATURES

43" 55"

## Super Slim Design

Even though these displays feature two separate screens they have a profile thinner than most single-sided displays. They have a remarkable depth of just 23mm, allowing for stylish and modern window displays.



## 700cd/m<sup>2</sup> & 450cd/m<sup>2</sup> IPS Panel

The outward facing screen uses a high brightness panel for grabbing the attention of passers-by while the inward facing screen uses a lower brightness panel for easy indoor readability.



## Wide Viewing Angle

Thanks to the IPS technology these displays provide fantastic image quality with a remarkable viewing angle of 178° in portrait orientation.



## Integrated Speakers

The displays feature two integrated slimline speakers for applications that require an audio element.



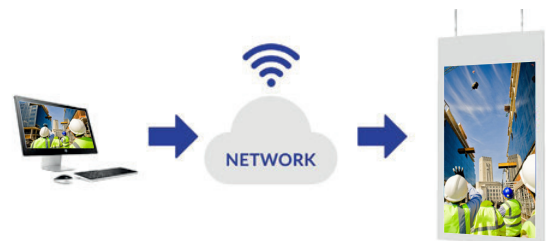
## Integrated Ceiling Mount

The screen comes with an integrated wire hanging mounting solution so no additional ceiling mount is required. You can even hide unsightly power and data cables in the cover tubes provided.



## Network Upgrade

For a small charge you can upgrade your screen to be networked, allowing you to connect your screen via Wi-Fi, LAN or 4G, then remotely update it over the internet.







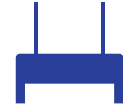
DOUBLE SIDED DISPLAY



24/7 COMMERCIAL GRADE



INTEGRATED ANDROID MEDIA PLAYER



CEILING MOUNT



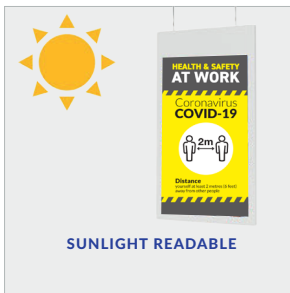
IPS PANEL

PLUG AND PLAY

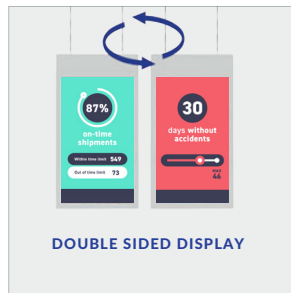


LED BACKLIGHT

OPTIONAL NETWORK UPGRADE



SUNLIGHT READABLE



DOUBLE SIDED DISPLAY



SUPER SLIM DESIGN

23mm



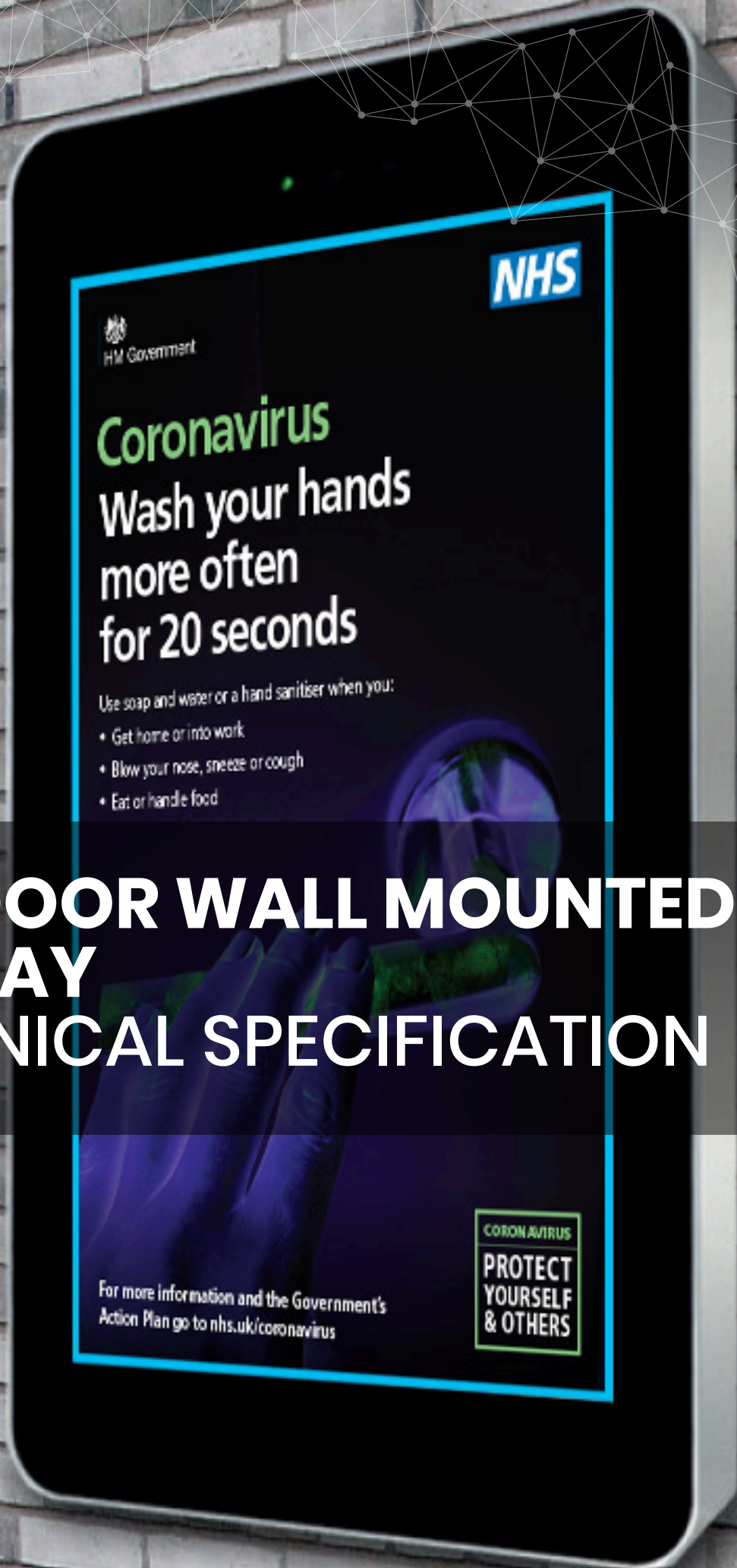
INTEGRATED CEILING MOUNT

# TECHNICAL SPECIFICATION

	Display Size	43 Inch	55 Inch
<b>Panel</b>	Resolution	1920x1080	
	Display Areas (mm)	943x536	1209.6x680.4
	Aspect Ratio	16:9	
	Side A Brightness (cd/m <sup>2</sup> )	700	
	Side B Brightness (cd/m <sup>2</sup> )	450	
	Colour	16.7M	
	Viewing Angle	178°	
	Contrast Ratio	1200:1	
<b>Audio</b>	Speaker Type	2W, 8Ω (x2)	
<b>AV Inputs</b>	Video	HDMI, VGA	
	Audio	Audio Socket (3.5mm)	
<b>Power</b>	Power Consumption (W)	150	220
	Input Voltage	AC100~230V (50Hz-60Hz)	
<b>Mechanical</b>	Unit Size (WxHxD mm)	1178x635x23	1574x823x23
	Package Size (WxHxD mm)	1238x695x81	1870x1080x240
	Footprint (WxH mm)	747x400	813x400
	Net Weight (kg)	18	38
	Gross Weight (kg)	22	48
<b>Environmental</b>	Operating Temperature	0 °C to 40 °C	
	Storage Temperature	-20°C to 60°C	
	Operating Humidity	0% to 90%	
	Storage Humidity	0% to 95%	
<b>Computer</b>	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	
<b>Accessories</b>	Included	Scheduling Software, Remote Control, Key, User Manual	
	Optional	Network Upgrade, Touch Screen Version	
<b>Warranty</b>	Warranty Period	3 Year Warranty	
	Technical Support	Lifetime	







**NHS**

HM Government

**Coronavirus**  
**Wash your hands**  
**more often**  
**for 20 seconds**

Use soap and water or a hand sanitiser when you:

- Get home or into work
- Blow your nose, sneeze or cough
- Eat or handle food



**CORONAVIRUS**  
**PROTECT**  
**YOURSELF**  
**& OTHERS**

For more information and the Government's  
Action Plan go to [nhs.uk/coronavirus](https://nhs.uk/coronavirus)

# OUTDOOR WALL MOUNTED DISPLAY TECHNICAL SPECIFICATION

# OVERVIEW

## Ambient Light Sensor

The display has a light sensor that changes the screens brightness depending on the ambient light ensuring the most suitable brightness at any time.

## 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.

## Modifications

The screens can be upgraded in various ways including the addition of network features, a camera, more screen sizes or even touch functionality.

## Ultra High Brightness Panel

2500cd/m<sup>2</sup> 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.

\*22" Screen is 2000cd/m<sup>2</sup>

## Lockable Wall Mount

The screen comes with a wall mount that allows the screen to be securely placed in either landscape or portrait orientation.



## Weather Proof IP65 Rating

An IP65 Rating means the display is able to withstand all weather conditions; wet and dry and also features waterproof over molded AV connectors.

## Dust Tight

The screen has the highest intrusion protection rating possible meaning it is virtually impossible for dust to enter the enclosure.

## Easy Updates

Update the screen via the simple 'plug and play' USB method. You can control the screen from anywhere in the world by upgrading to a Network version. This allows you to update the screen via the cloud.

## Toughened Glass

Extra strong glass protects the screens internal components and adds an extra layer of security against vandals.

## Sturdy Enclosure

Made from mild steel the enclosure is strong enough to protect the displays components from outside harm such as vandals.

## Anti Reflective Glass

Diffuses direct sunlight making the display easily readable in bright weather.





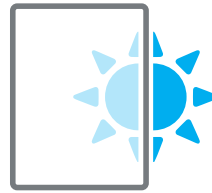
# FEATURES

## 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.

## Anti Reflective Glass



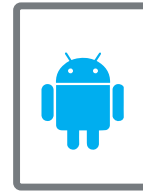
The glass frontage is also anti-reflective to help defuse direct sunlight shining on the display.

## Easy Installation & Maintenance



These units are designed with installation and maintenance in mind. As well as having a cabling channel built into the base of the unit there are also special fitting holes to allow you to permanently fix your screen in position. There is also internal space within the unit to hide any additional hardware, such as a PC, with easy access in the form of a front panel door.

## Integrated Media Player



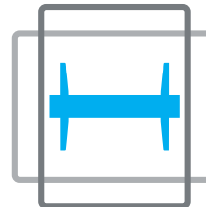
As well as having AV inputs, these displays also have a built-in HD media player allowing you to run content copied from a USB drive. Load your pictures and videos onto a USB memory stick then insert it into the display, the screen will then start playing the pictures and videos in a continuous loop. The displays can also be upgraded to be updated remotely via a cloud-based CMS.

## Modifications Available



Whether your project calls for a touch screen, a double-sided display or even a bespoke screen size, we can meet your needs.

## Complimentary Wall Mount



The display can be mounted in either landscape or portrait orientation, depending on the application. We also include a free wall mounting bracket that allows you to install your display in either landscape or portrait orientation and lock it in place.

## SUNLIGHT READABLE

Brightness is paramount when using outdoor screens, these displays use commercial grade Ultra High Brightness panels (2500 cd/m<sup>2</sup>); more than 8 times brighter than a standard home TV to allow easy readability in direct sunlight. The display also has an ambient light sensor that will alter the screens brightness based on the displays surrounding light levels. This leaves the screen with the best clarity while also conserving energy.



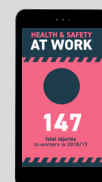
## OUTDOOR ENCLOSURE

Designed with robust, corrosion protected casing to protect against the elements and the public. With an IP65 rating, it keeps out all airborne particles as well as being protected from any wet weather conditions and also feature waterproof over molded AV connectors. The enclosures are made from mild steel and have thermally toughened glass.



## TEMPERATURE CONTROL

The internal air-conditioning system allows the screens to be in constant use in an outdoor environment. Internal fans keep the panel and other internal components at the optimum working temperature; ensuring a long and reliable life for your display.



# TECHNICAL SPECIFICATION

		Outdoor Digital Advertising Displays					
<b>Panel</b>	Display Size	22 Inch	32 Inch	43 Inch	49 Inch	55 inch	65 inch
	Resolution	1080x1920					
	Pixel Pitch	0.2537x 0.2537	0.36375x0.36375	0.1615x0.4845	0.565 x 0.565	0.21x0.63	0.744 x 0.744
	Display Area (mm)	270x477	396x702	526x934	603x1073	684x1215	803.5x1428.5
	Aspect Ratio	16:9					
	Brightness (cd/㎡)	2000	2500				
	Colour	1.06 Billion		16.7 M	1.06 Billion	1.073 G	1.06 B
	Viewing Angle	178°					
	Contrast Ratio	8000:1					
	<b>AV Inputs</b>	Video	HDMI, VGA				
<b>Power</b>	Power Consumption (W)	130	190	250	300	430	550
	Input Voltage	AC110~240V (50Hz~60Hz)					
<b>Mechanical</b>	Unit Size (WxHxD mm)	397x737x120	516x1041x130	670x1410x140	746x1500x140	817x1637x145	990x1910x140
	VESA Holes (mm)	350x250	400x300	400x400 400x800	500x400 500x800	600x400 600x800	700x400 700x800
	Net Weight (kg)	20.05	35	52	74	76.5	95
	Gross Weight (kg)	23.5	49	78	95	94.9	120
<b>Environmental</b>	Operating Temperature:	-20 °C to 50 °C					
	Operating Humidity:	10% - 80%					
	Storage Temperature:	-30°C - 60°C					
	Storage Humidity:	5% - 90%					
	Enclosure Protection	IP65					
<b>Feature</b>	Internal Media Player	Media Formats	Video (MPG, AVI, MP4, RM, RMVB, TS), Audio (MP3, WMA), Image (JPG, GIF, BMP, PNG)				
		Media Resolution	1080x1920				
		Internal Memory	6GB				
		CPU	Dual-Core Cortex-A9 @1.6GHz				
		GPU	Mali-400 MP4 @400MHz				
		RAM	1GB DDR3				
		ROM	8GB NAND				
		USB	USB2.0 HOST (x2)				
		LAN	10/100M Ethernet (Network version screen only)				
		Wi-Fi	802.11b/g/n (Network version screen only)				
		OS	Android 4.2.2				
		Graphic Engine	OpenGL ES 1.1/2.0, OpenVG 1.1				
Special	Images, Videos, Audio, Scrolling Text Message, On/Off Timer, On Screen Clock, Media Rotation						
<b>Accessories</b>	Included	AC Power Cable, Remote Control					
	Optional	Touch Screen Upgrade, Network Upgrade, Camera					

Errors and omissions excepted



**HEALTH & SAFETY  
AT WORK**



**Warning**  
Loading shovel  
reversing



# OUTDOOR FREESTANDING DIGITAL POSTERS TECHNICAL SPECIFICATION





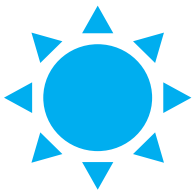
## FEATURES

49"

55"

### Direct Sunlight Readable

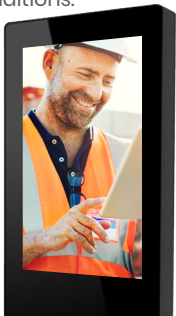
Designed for the challenge of direct sunlight, these displays use commercial grade ultra high brightness panels (2,500 cd/m<sup>2</sup>); up to 10 times brighter than a domestic television.



2,500cd/m<sup>2</sup>

### Weatherproof

Designed with a robust, corrosion protected, outer casing to give protection from the elements. The outer casing has an IP65 rating which means it keeps out airborne swarf, dust and other particles as well as being protected from any wet weather conditions.



Protection from the weather!

### Vandalproof

The enclosure is made from mild steel as well as having a thermally toughened glass front. Controls and inputs are also hidden and not accessible to passers-by to avoid tampering.



5mm Tough Glass



### Advanced Temperature Control System

The internal airflow system keeps your screen running at the optimal temperature regardless of the external conditions to maximise the life of your product. Built in air-conditioning can be tailored to allow the display to work in any climate.



50°  
-20°

Operating Temperature



# FEATURES

## IP65 Rated Sturdy Enclosure

An IP65 rating means that display is able to withstand all wet weather conditions and also keeps out airborne dust.

### IP65

- 6** Dust Resistance  
Protected against dust that may harm equipment.
- 5** Water Resistance  
Protected against water spray from all directions.



## Easy Maintenance

The screen is designed to allow for easy front access using hydraulic cylinders when maintenance is required.



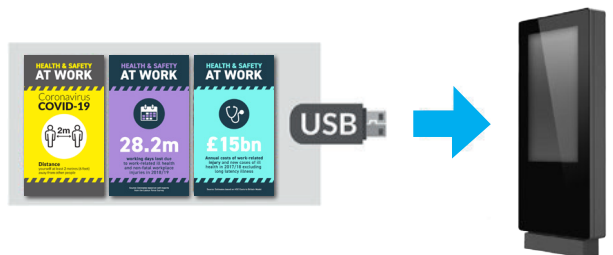
## Anti Reflective Glass

The front glass face is specially treated which helps to diffuse direct sunlight making the display easily readable in bright weather conditions.



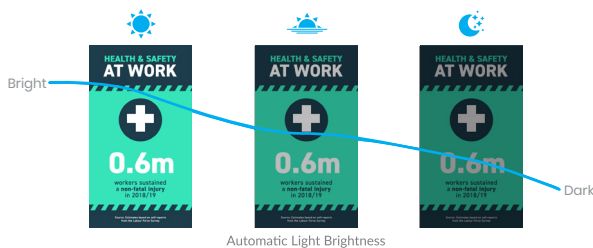
## Plug and Play

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



## Ambient Light Sensor

The display has a light sensor that changes the screen's brightness depending on the ambient light ensuring the most suitable brightness at any time of the day.



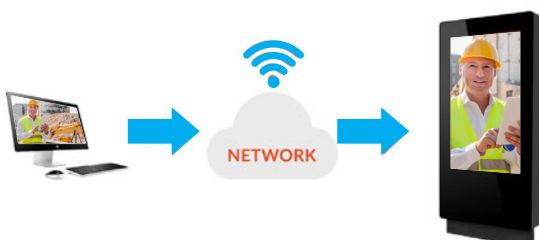
## Internal Locker

Should you need connect the screen to an external source, like a PC or media player, you can use the HDMI input or the VGA and 3.5mm audio jack inputs and hide the player inside the internal locker.



## Optional Network Upgrade

For a small charge you can upgrade your screen to be networked, allowing you to connect your screen via Wi-Fi, LAN or 4G, then remotely update it over the internet.



## Hardware Modifications

These displays can be adapted in a variety of ways including a touch screen upgrade and the integration of a 4G module or camera.



# FEATURES



2,500 CD/M<sup>2</sup>  
SUNLIGHT READABLE



WEATHER PROOF



AMBIENT LIGHT SENSOR



ANTI-REFLECTIVE GLASS



VANDAL PROOF



DUST TIGHT



PLUG AND PLAY



MODIFICATIONS



**2,500cd/m<sup>2</sup>**

**DIRECT SUNLIGHT  
READABLE**

**IP65**

**IP65 RATED ENCLOSURE**

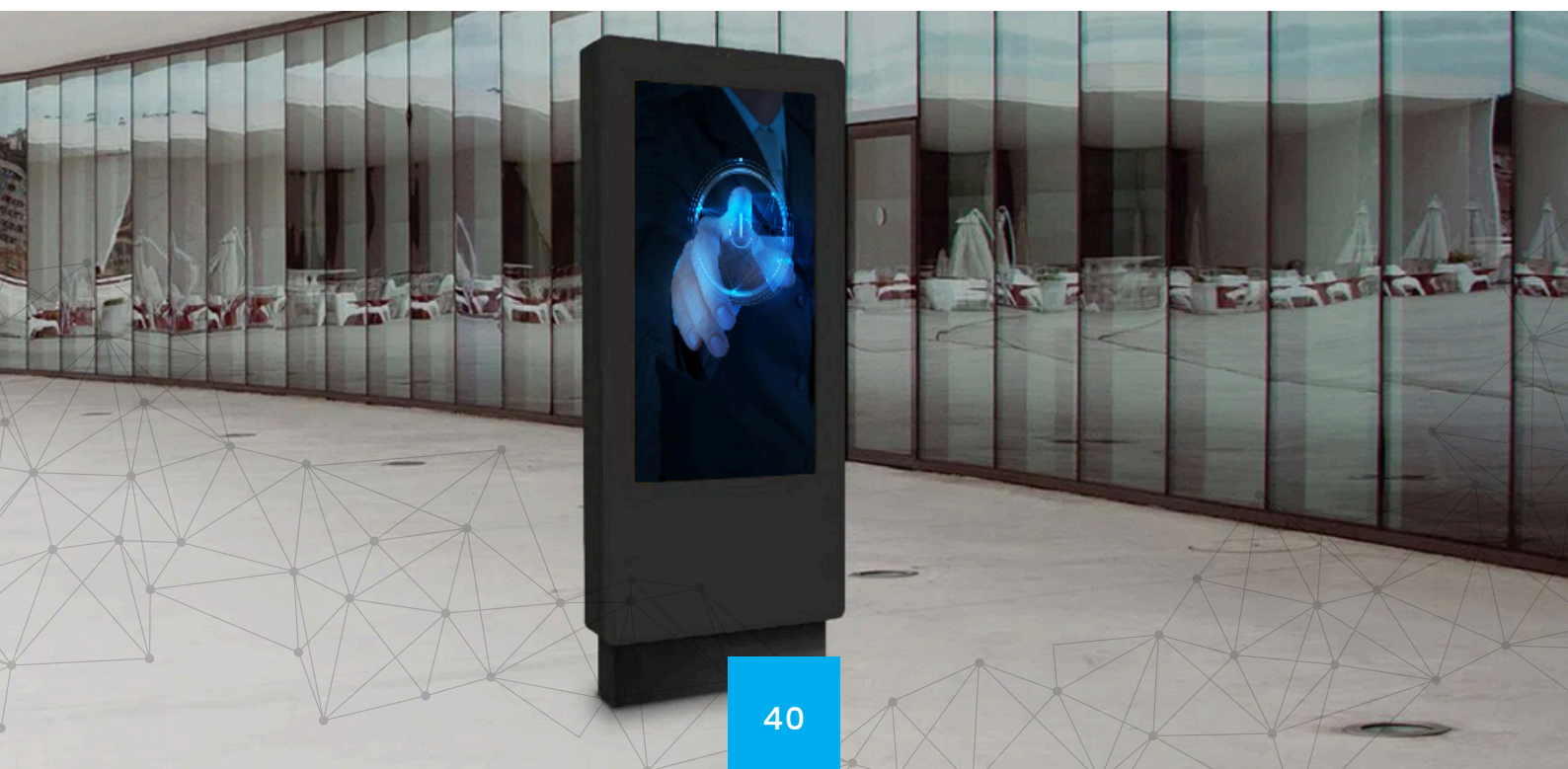
**TEMPERATURE CONTROL**

**REMOVABLE BASE**

# TECHNICAL SPECIFICATION

	Display	49 Inch	55 Inch
<b>Panel</b>	Resolution	1920x1080	
	Pixel Pitch	0.5592 x 0.5592	0.21x0.63
	Display Area (mm)	610x1079.8	680.2x1209.4
	Aspect Ratio	16:9	
	Brightness (cd/m <sup>2</sup> )	2,500	
	Colour	1.06 B	1.073 G
	Viewing Angle	178°	
	Contrast Ratio	8000:1	
<b>AV Inputs</b>	Video	HDMI, VGA	
<b>Power</b>	Power Consumption (W)	300	430
	Input Voltage	AC110~240V (50Hz~60Hz)	
<b>Mechanical</b>	Unit Size (WxHxD mm)	870x1950x197	960x2032.5x203
	Package Size (WxHxD mm)	2030x993x368	2100x1040x370
	Footprint (WxHxD mm)	890x500	990x500
	Net Weight (kg)	120	150
	Gross Weight (kg)	147	186
<b>Environmental</b>	Operating Temperature:	-20 °C to 50 °C	
	Operating Humidity:	10% - 80%	
	Storage Temperature:	-30°C - 60°C	
	Storage Humidity:	5% - 90%	
	Enclosure Protection	IP65	
<b>Computer</b>	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	
	<b>Accessories</b>	Included	AC Power Cable, Remote Control
Optional		Touch Screen Upgrade, Network Upgrade, Camera	
<b>Warranty</b>	Warranty Period	3 Year Warranty	
	Technical Support	Lifetime	

Errors and omissions excepted





# PPE must be worn on this site



Wear ear protectors



Fire escape keep clear



Protective footwear must be worn



Eye protection must be worn



Wear gloves



All visitors and drivers must report to reception

**49 INCH DIGITAL ANDROID  
BATTERY A-BOARD  
TECHNICAL SPECIFICATION**





# FEATURES 49"

## Digital A-Board

Stand out from the crowd with this innovative portable digital signage solution. A mains plug is no longer needed for you to deliver your digital messaging, opening up a whole world of new possibilities.



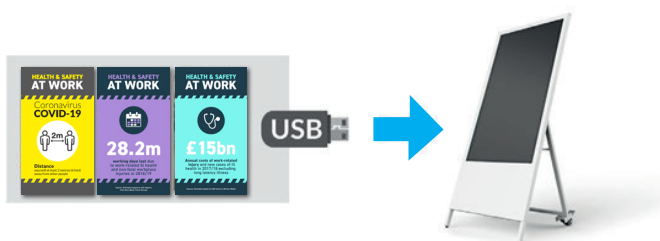
## Battery Powered Display

The integrated lithium-polymer battery revolutionises the way you can use digital signage. This commercial grade slimline battery solution gives you over 12 hours running time.



## Plug and Play

Plug and Play is the most straightforward 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.



## 700cd/m<sup>2</sup> IPS Panel

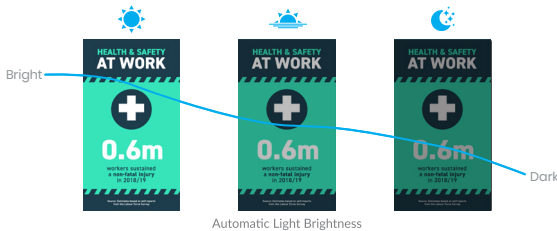
The high brightness LCD panel used in this display is up to three times brighter than a domestic TV making it ideal for brightly lit public spaces.



# FEATURES

## Ambient Light Sensor

The display has a light sensor that changes the screen's brightness depending on the ambient light ensuring the most suitable brightness depending on the environment.



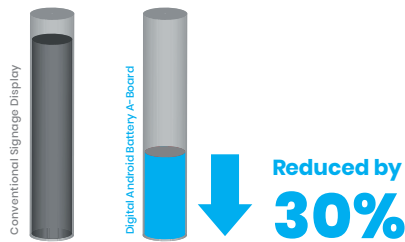
## Charge Level Indicator

This handy indication meter tells you exactly how much charge you have left in your battery for ultimate convenience.



## Low Power Consumption

The LED backlight technology provides improved brightness and contrast. Their lifespan is drastically improved to over 70,000 hours and the power consumption is reduced by around 30%.



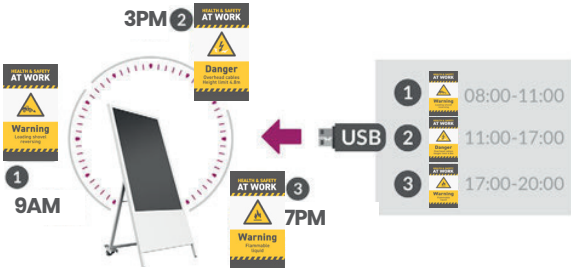
## Integrated Castors

These freestanding displays are a fully portable solution and can be easily moved by one person as they feature fixed castors. These wheels can be locked to prevent the screen from moving once in place.



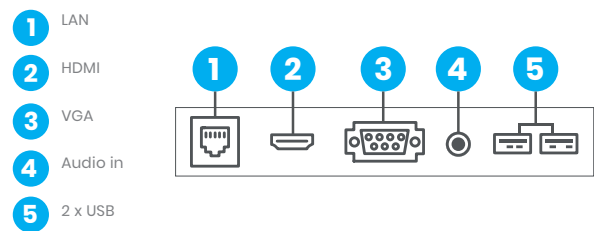
## Free Scheduling Software

These displays come with free optional scheduling software for displaying different content at different times of the day. You can also display a "ticker tape" style scrolling text message along the bottom of the screen.



## Multiple Inputs

Should you need to use the screen as a monitor you can connect it to an external source, like a PC or media player, using the HDMI input or the VGA and 5mm audio jack inputs.



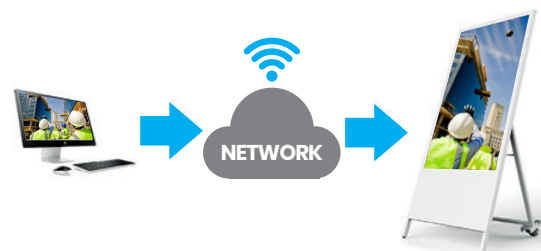
## Wide Viewing Angle

Thanks to the IPS technology these displays provide fantastic image quality with a remarkable viewing angle of 178° in both landscape and portrait.



## Optical Network Upgrade

For a small charge you can upgrade your screen to be networked, allowing you to connect your screen via Wi-Fi, LAN or 4G, then remotely update it over the internet.





# FEATURES



AMBIENT LIGHT SENSOR



TEMPERED GLASS FRONT

WIPS

700CD/M<sup>2</sup> IPS PANEL



OPTIONAL NETWORK UPGRADE



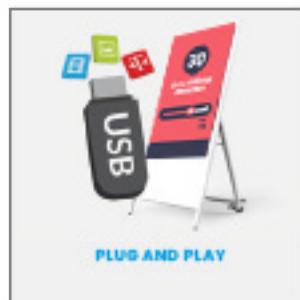
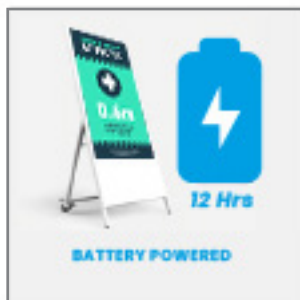
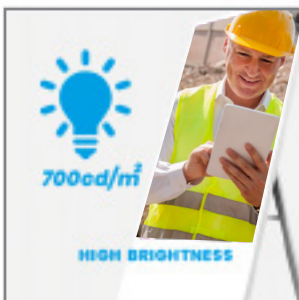
FIXED LOCKABLE CASTORS

PLUG AND PLAY



INTEGRATED ANDROID MEDIA PLAYER

STYLISH WHITE ENCLOSURE



# TECHNICAL SPECIFICATION

<b>Panel</b>	<b>Display</b>	<b>49 Inch</b>
	Resolution	1920x1080
	Display Area (mm)	606x1076
	Aspect Ratio	16:9
	Brightness (cd/m <sup>2</sup> )	700
	Colour	16.7M
	Viewing Angle	178°
<b>Audio</b>	Speaker Type	5W, 8Ω (x2)
	<b>AV Inputs</b>	Video
Audio		Audio Socket (3.5mm)
<b>Battery</b>	Battery Technology	Integrated lithium polymer
	Charging Time	7 hours
	Battery Life	12 hours
	Battery Capacity	4400mAh
	Power Supply	29.4V - 21V
	Power Consumption	126W
<b>Mechanical</b>	Energy	1108.8 Watt-hours
	Unit Size (WxHxD mm)	1503x682.4x36.5
	Package Size (WxHxD mm)	1752x830.3x262
	Footprint (WxH mm)	682.4x608
	Net Weight (kg)	49
<b>Environmental</b>	Gross Weight (kg)	57.25
	Operating Temperature	0 °C to 50 °C
	Storage Temperature	-30°C to 60°C
	Operating Humidity	10% to 80%
<b>Computer</b>	Storage Humidity	5% to 95%
	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	
<b>Accessories</b>	Graphic Engine	OpenGL ES 1.1/2.0/3.0/3.1, OpenCL 1.1, Renderscript, Direct3D 11.1
	Included	Scheduling Software, Remote Control, Key, User Manual
<b>Warranty</b>	Optional	Network Upgrade
	Warranty Period (Hardware)	3 Year Warranty
	Warranty Period (Battery)	3 Year Warranty*
	Technical Support	Lifetime

Errors and omissions excepted

\*Excludes degradation and user damaged caused by sulphation, deep cycling and overcharging.







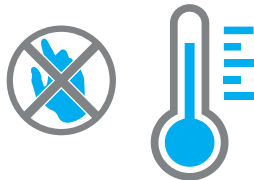
# 8 INCH FACIAL RECOGNITION THERMOMETER DISPLAY





### Automated Contactless Temperature Checking

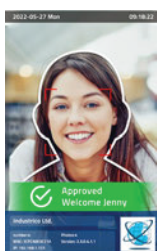
Using Melexis thermal imaging technology, in conjunction with cooling fans to maximise accuracy, this complete solution can read a user's temperature and display the results in 1.8 seconds, even if they are wearing a mask. The automated nature of this system not only efficiently reduces manual labour, but also means it is completely contactless, which is of paramount importance in today's world.



**Contactless Temperature Display**

### High Security Facial Recognition

With 99.7% identification accuracy, this solution can also be used as a check in/out system for offices, warehouses and other secure locations. You can even create a whitelist and blacklist to control and restrict access, as well as recording all building entries. Adjust the identification security levels from using the photo on an ID card to high level military standard using a 3D face scan and body temperature check.



-  **Strip-Light Indicator**
-  **Mask Detection System**
-  **Accurate Thermal Imaging**
-  **All-in-One Hardware/Software Solution**
-  **Synchronise with Existing Systems**
-  **Fever Alarm**
-  **Robust Metal Enclosure**
-  **Clock In/Out System**
-  **Various Mounting Options**
-  **Hand Sanitiser Add-On**

# FEATURES

## Mask Detection System

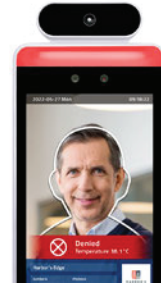
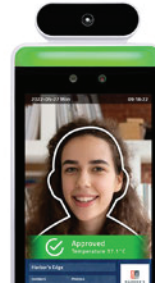
As well as reading body temperature, the system can also check if the user is wearing a mask if this is an entry requirement to your building. This feature can also be disabled if not required.



**Works with protective face masks**

## Strip-Light Indicator

When taking a temperature or mask checking reading, this acts as on-camera illumination for more accurate results. It also synchronises with the software to indicate acceptance (green) or rejection (red) based on user-defined conditions.



## All-in-One Solution

This is a full turnkey system, comprising of a 24/7 IPS panel, dual-lens optical facial recognition cameras, a thermal imaging module, an indication light, optional RFID/NFC integration and even the software to control, record and monitor all the functionality.

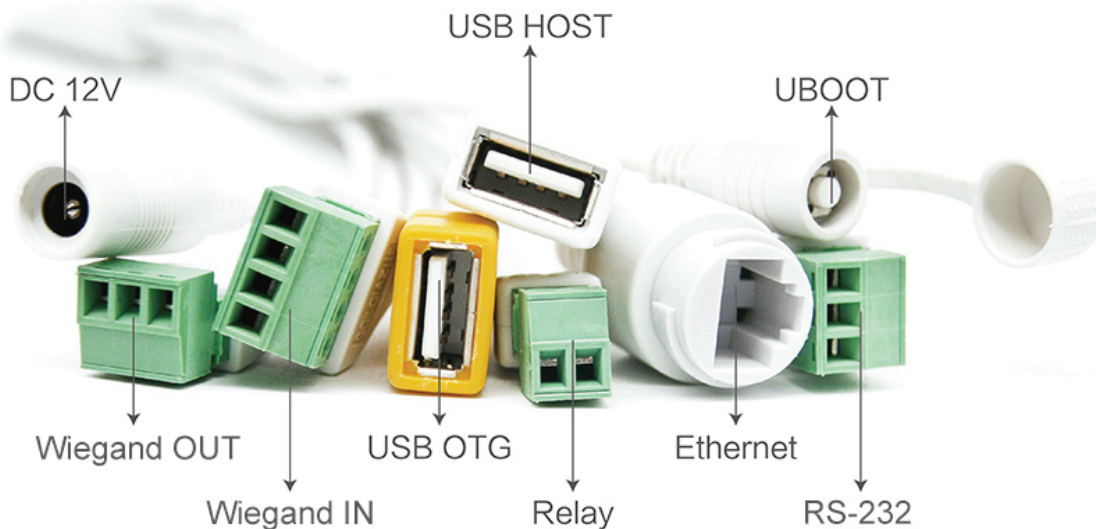


## Synchronise with Existing Systems

Using the connection interface, this solution can be integrated with existing door or ticketing systems. Using the software included, you can stipulate entry conditions such as an acceptable temperature range, mask checking and specific user entry or restriction.



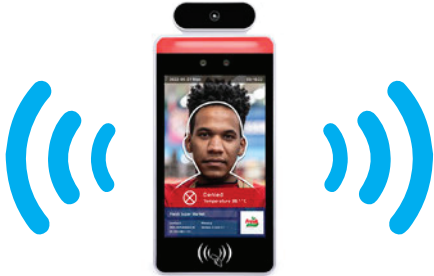
**Automatically Open Doors**



# FEATURES

## Fever Alarm

When a user's temperature reading exceeds a stipulated temperature, a visual and audio alarm activate to alert the user that they have a fever. This feature can also be disabled if not required.



## Optional NFC Integration

If you want to incorporate an ID card reader for building access you can do so. This feature can also be controlled and managed by the software that is included.



## Software Included

The software is included at no extra cost and can be easily installed on your own PC or server to maximise security. Create separate login accounts with varying privileges, for example an account can be created for a receptionist to only register visitors. Can also work offline if required.



## Accurate Thermal Imaging

Using a Melexis dual-chip system, the thermal imaging module measures the ambient temperature as well as the user's body temperature to maximise accuracy. The module also features a cooling fan to further improve the precision of the reading. The full sensor temperature range is -40°C to 85°C with an accuracy of  $\pm 0.3^\circ\text{C}$ .



## Mounting Options

As standard this solution comes with an adjustable desk mounted pole. Optional mounting options include: a flush fit or adjustable wall mount, a desk stand, or a floor stand. All stand options have a modern integrated blue LED light strip.



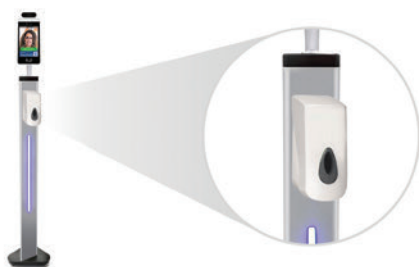
## 24/7 Commercial Grade

This is a truly commercial grade solution as it can be in constant use around the clock. This is ideal for 24/7 commercial locations like supermarkets and gyms, as well as corporate and warehouse settings when used as a clocking in/out system.



## Optional Automatic Hand Sanitiser

As standard this solution comes with an adjustable desk mounted pole. Optional mounting options include: a flush fit or adjustable wall mount, a desk stand, or a floor stand. All stand options have a modern integrated blue LED light strip.



## Robust Metal Enclosure

This is a truly commercial grade solution as it can be in constant use around the clock. This is ideal for 24/7 commercial locations like supermarkets and gyms, as well as corporate and warehouse settings when used as a clocking in/out system.





# FEATURES



THERMAL IMAGING COOLING FAN



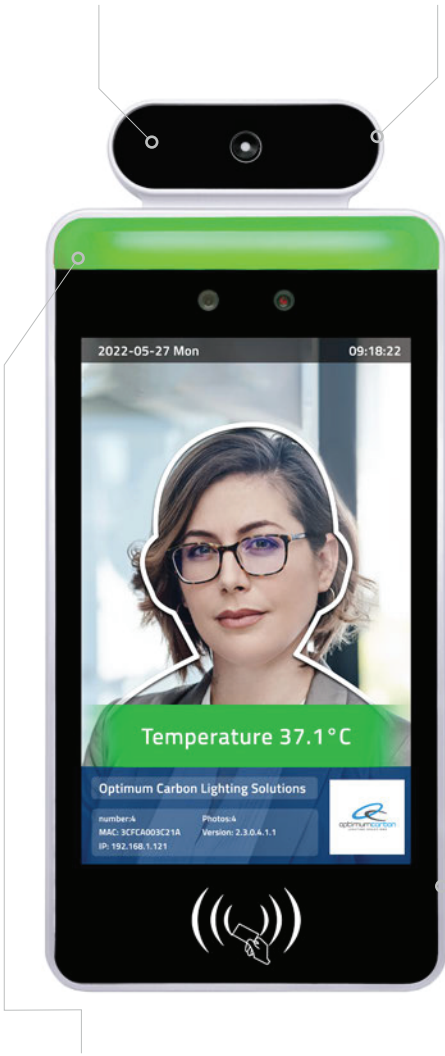
THERMAL IMAGING MODULE



DUAL-LENS OPTICAL CAMERAS



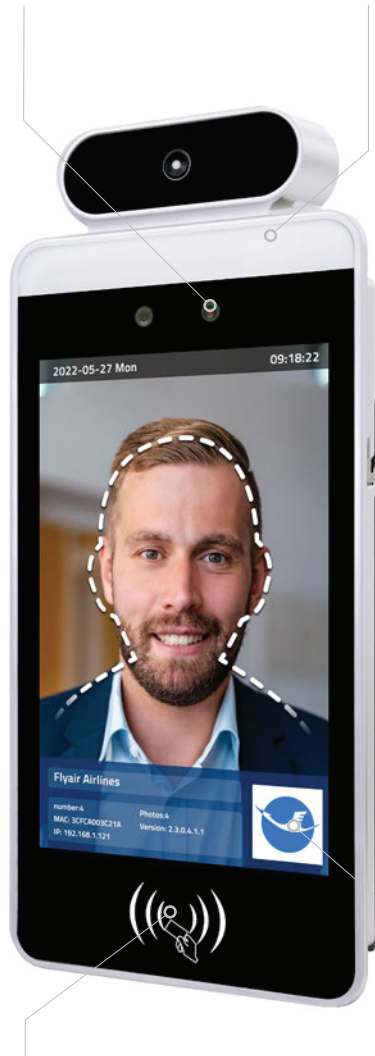
24/7 IPS PANEL



STRIP-LIGHT INDICATOR/  
FLOOD LIGHT



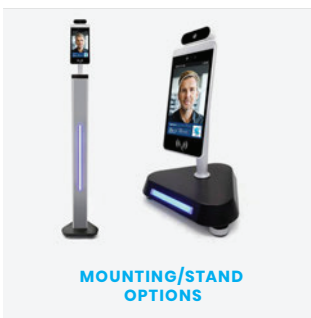
ROBUST METAL ENCLOSURE



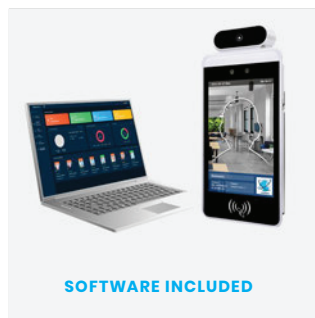
OPTIONAL NFC INTEGRATION



CUSTOMISABLE INTERFACE



MOUNTING/STAND  
OPTIONS



SOFTWARE INCLUDED



CONNECTIVITY INTERFACE

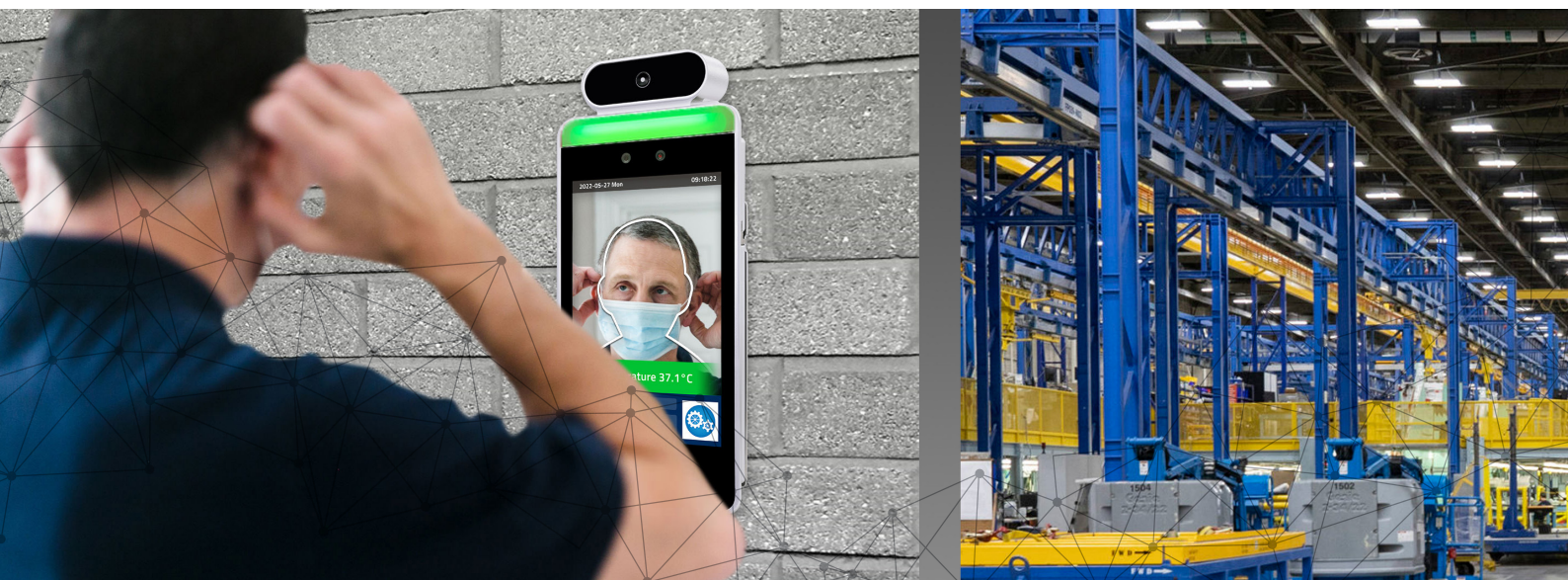


HAND SANITISER ADD-ON

# FEATURES

		8 Inch
Panel	Resolution	800x1280
	Display Area (mm)	107.62x172.18
	Aspect Ratio	10:16
	Brightness (cd/m <sup>2</sup> )	450
	Colour	16.7M
	Viewing Angle	178°
	Contrast Ratio	5000:1
Optical Camera	Resolution	HD (2 million pixels)
	Type	Binocular dual-lens (wide dynamic camera)
	Aperture	F2.4
	Optimal Focus Range	50cm-15m
	White Balance	Auto
Thermal Imaging Module	Optimal Reading Distance	50cm-1m
	Measurement Accuracy	±0.3°C
	Measurement Range	10°C-42°C
	Thermal field of view	32°Cx32°C
Interface	Network Module	1 x Ethernet RJ-45 Port, WiFi
	USB	1 x USB OTG, 1 x USB HOST
	Serial	1 x RS-232 serial port
	Relay	1 x Output
	Wiegand	1 x Input, 1 x Output
Software	Temperature Alarm	Optional
	Face Library	30,000
	Facial Recognition Security	Level 1-4
	1:N Facial Recognition	Supported
	1:1 Face Comparison	Supported
	Firmware Upgrades	Supported
Mechanical	Unit Size (WxHxD mm)	132.88x296.18x25
	Package Size (WxHxD mm)	180x430x120
	Net Weight (kg)	1.5
	Gross Weight (kg)	4
Computer	CPU	RK3288 quad-core
	Operating System	Android 7.1.2
	Storage	EMMC 8G
Audio	Speaker Type	2.5W, 4Ω (x2)
Power	Power Consumption (W)	13.5 (Maximum)
	Input Voltage	DC12V
Environmental	Operating Temperature	0 °C to 60 °C
	Storage Temperature	-20°C to 60°C
	Operating Humidity	10% to 80%
	Storage Humidity	5% to 95%
Accessories	Included	Scheduling Software, Remote Control, User Manual, Charger, Mains Power Cable
	Optional	Network Upgrade, Security Chain
Standards	Certification	CE, FCC & ROHS
Warranty	Warranty Period	3 Year Warranty
	Technical Support	Lifetime

Errors and omissions excepted



# FEATURES



Infrared thermal imaging module

heat sink

260.18mm

Height adjustment

Speaker







5752  
P390 0121  
TK 01

**You might  
wait a little  
longer today.**

The Coronavirus Pandemic  
is placing a big demand  
on pharmacy teams' health care services.

While hotel guests are fast  
as we can't you can reduce a by  
remaining calm and patient.

**22 INCH HAND SANITISER  
NETWORK ANDROID  
ADVERTISING DISPLAY**





## Hand Sanitising Digital Signage

In areas where hygiene is key, and hand washing facilities are not available, these displays are ideal. They combine a hand sanitising station\* with a versatile Digital Signage solution.



## Contactless Usage

With 99.7% identification accuracy, this solution can also be used as a check in/out system for offices, warehouses and other secure locations. You can even create a whitelist and blacklist to control and restrict access, as well as recording all building entries. Adjust the identification security levels from using the photo on an ID card to high level military standard using a 3D face scan and body temperature check.



Free Network Upgrade & Subscription



24/7 Commercial Grade



3 Year Manufacturer's Warranty



Complete Steel Enclosure



Integrated Android Media Player



Automatic Dispensing



Easy Refill



Sanitiser Level Indicator



Compact and Lightweight Design



Optional Floor Stand

# FEATURES

## 3 Year Warranty

We offer a full commercial 3 year manufacturer's warranty and free lifetime technical support, giving you complete piece of mind.



## 24/7 Usage

This is a true commercial grade solution. Built using a commercial grade LCD panel and components it is designed to be in constant use.



## Robust Steel Enclosure

This solution features a full metal enclosure making it perfect for any commercial or public environment, especially in locations where impact is a concern.



## Optional Stand Available

The display can be wall mounted as standard or mounted onto a stylish floor stand, for easy portability. The modern stand also features an illuminated blue LED strip.



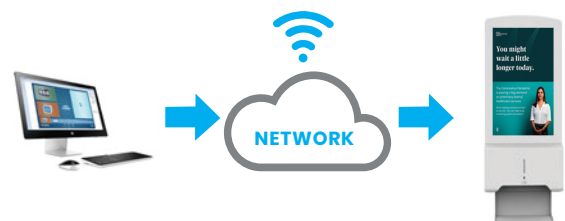
## Safe Tank Capacity

Most standard hand sanitiser stations have a capacity below one litre; this is because it reduces the risk of evaporation caused by larger tanks. This is important because as the sanitiser evaporates the alcohol content reduces – decreasing the effectiveness of the sanitiser.



## Online Content Management System

Using our user-friendly cost-effective software solution you can combine multiple media zones (images, videos, webpages etc.), social media feeds, scrolling text and RSS feeds for latest news.



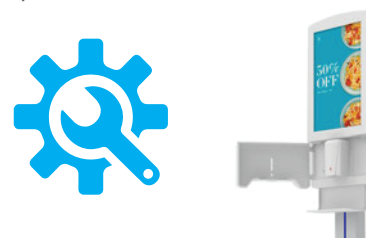
## Fully Automated Dispensing

The fully automated design removes the need to touch the dispenser, simply place your hand under the dispenser and a single or double dose of sanitiser will be dispensed. The dispense valve is non-spray, non-clog and can support liquid or gel.



## Safe Maintenance

The easy front access door allows you to conveniently re-fill the sanitiser tank however to carry out maintenance on the internal components you must remove the rear panel. This two-way access ensures that no electronics are exposed when the tank is being re-filled, preventing a potential fire hazard or any damage to the display.





# FEATURES



INTEGRATED SPEAKERS



PLUG AND PLAY UPDATE OPTION



24/7 COMMERCIAL GRADE

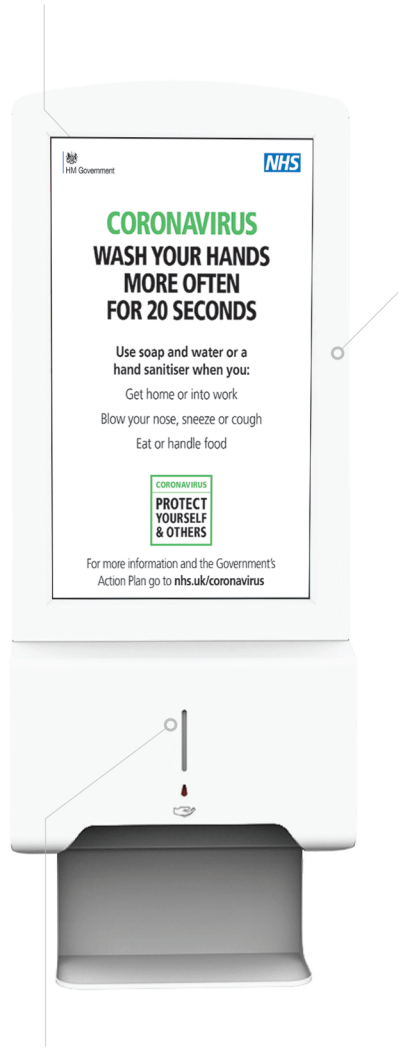


ROBUST STEEL ENCLOSURE



EASY SANITISER REFILL

REMOVABLE TRAY



SANITISER LEVEL INDICATOR

4G UPGRADE



CUSTOM BRANDING AND LOGO



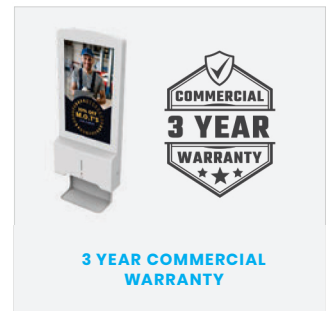
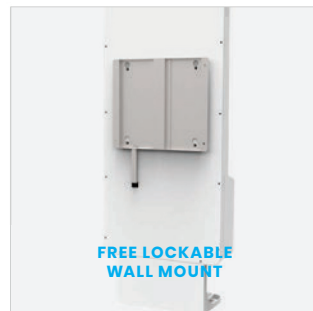
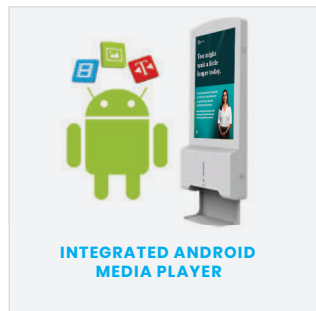
INTEGRATED ANDROID MEDIA PLAYER



FREE LOCKABLE WALL MOUNT



3 YEAR COMMERCIAL WARRANTY



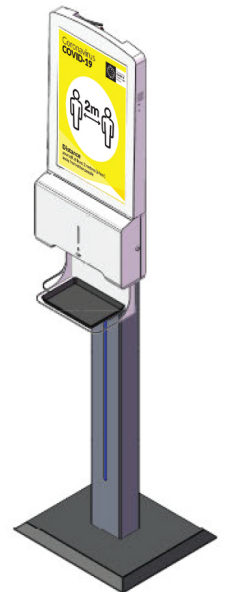
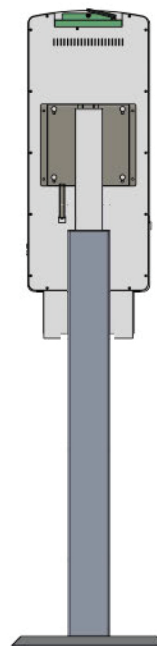
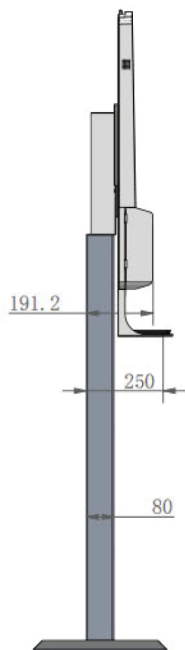
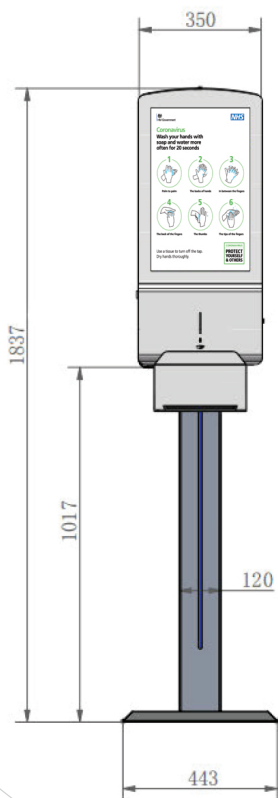
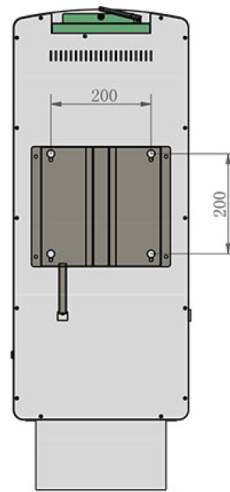
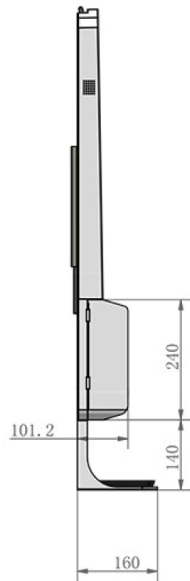
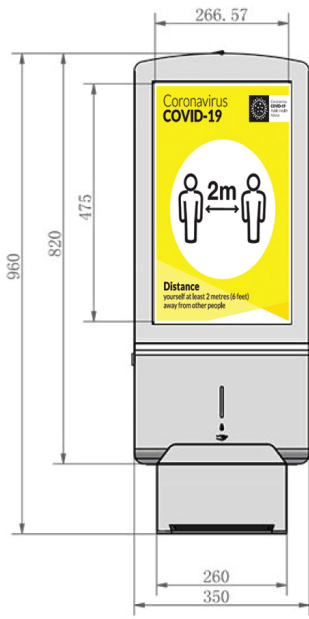
# FEATURES

		22 Inch
<b>Panel</b>	Resolution	1080x1920
	Display Area (mm)	266.95x475.38
	Aspect Ratio	16:9
	Viewing Angle	178°
	Colour	16.7M
	Contrast Ratio	5000:1
	Brightness	450cd/m2
	Response time	5ms
	Lifespan (hours)	70,000
<b>Audio</b>	Built-in stereo speakers	3W x2
<b>AV Inputs</b>	Video	HDMI, VGA
	Audio	Audio Socket (3.5mm)
<b>Power</b>	Power Consumption (W)	17
	Power Input	AC110~240V (50Hz~60Hz)
<b>Mechanical</b>	Unit Size (WxHxD mm)	350x820x101.2
	Package Size (WxHxD mm)	435x885x181
	VESA Holes (mm)	200x200
	Net Weight (kg)	11
	Gross Weight (kg)	13
<b>Environmental</b>	Operating Temperature	0 °C to 50 °C
	Storage Temperature	-30°C to 60°C
	Operating Humidity	10% to 80%
	Storage Humidity	5% to 95%
<b>Computer</b>	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
	Graphic Engine	OpenGL ES 1.1/2.0/3.0/3.1, OpenCL 1.1, Renderscript, Direct3D 11.1
	<b>Dispenser</b>	Capacity (ml)
Sensing Distance (cm)		5
Solution Type		Liquid or Gel
<b>Accessories</b>	Included	Drip Tray, Scheduling Software, Remote Control, Key, User Manual
	Optional	Floor Stand, Network Version, Touch Screen Version, 4G Upgrade
<b>Standards</b>	Awards	Queen's Award for Enterprise: Innovation
	Certification	CE, FCC & ROHS
<b>Warranty</b>	Warranty Period	3 Year Warranty
	Technical Support	Lifetime

Errors and omissions excepted  
 \*Hand sanitising liquid or gel not included



# FEATURES









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