

ZENITH elevator screens

Specification sheet



- ➔ Built-in version
- ➔ Surface-mounted version
- ➔ Elegant design
- ➔ Integrated media player
- ➔ Purpose built
- ➔ Remote management
- ➔ Multi-OS compatibility
- ➔ BrightSign SoC available
- ➔ Dynamic content

The elevator offers a unique opportunity for powerful communication. The extended time spent in the elevator creates an intense connection with a captive audience, making digital elevator signage exceptionally effective.

The ZENITH is a versatile and innovative display solution specifically designed for use in elevators. It can be installed as either a built-in or surface-mounted version, making it seamlessly adaptable to new installations and an excellent choice for replacing outdated systems. With compatibility across all CMS platforms, the ZENITH offers a future-proof and flexible solution that perfectly meets your needs for digital elevator communication.

Built-in version

The ZENITH is available as a smart built-in solution. Thanks to its unique mounting system, the display can be seamlessly integrated into almost any wall. With a minimal built-in depth of just 27 mm, the ZENITH fits into nearly any wall. The front is elegantly finished with tempered glass and a powder-coated casing, giving it a modern and sophisticated look.



Surface-mounted version

The ZENITH is also available as a surface-mounted version. With a total depth of just 35 mm, this sleek and compact design can be easily mounted on any flat surface. The brushed stainless steel housing is complemented by tempered glass on the front, creating a clean and modern look. The elegantly rounded corners complete the design, adding a touch of style and sophistication.



Three sizes

Built-in version



Surface-mounted version



Content Management

In addition to the hardware (the screen itself), you also need a solution to display content – such as information, images, or videos – on the screen. This is called a Content Management Solution, or CMS. There are countless options and providers available. We are compatible with every solution, so your choice can be fully tailored to your specific needs.

➔ [What is a Content Management Solution?](#)

Compatible CMS Partners

We are platform and software agnostic. This means we collaborate with any operating system and a wide range of CMS solutions. Check if your application is listed and share your plans with us. If your application is not listed or if you would like our advice, feel free to get in touch!

Turnkey Display & CMS Solution

We offer the freedom to choose how and with which CMS you manage your displays. However, for customers who prefer a complete turn-key solution for both hardware and (cloud) CMS, we have selected a very interesting solution. This solution is perfectly aligned and ensures stable and efficient performance.

Local Network CMS

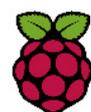
In addition to cloud-based CMS solutions, we also offer a Local Network CMS. This option doesn't rely on internet access, keeps all data within your own network, and saves you potential subscription costs associated with cloud solutions. However, it does come with certain limitations in (remote) content management.

Simple USB CMS

For certain applications, a full Content Management System (CMS) may not be necessary to display content on a screen. A simple and cost-effective option is using a USB stick. This method allows you to display content – such as images, videos, and information – directly from a USB stick on the screen.

Flexible player options

We provide our hardware in combination with any media player and compatible operating system. Additionally, as a certified BrightSign hardware integration partner, we offer extensive knowledge and expertise of the entire BrightSign ecosystem.



Installation

The ZENITH stands out with an innovative integrated mounting system for both variants. Thanks to this smart design, a separate (VESA) bracket is no longer necessary. Maintenance is also a breeze: with the specially provided suction cups, you can easily remove the screen from the bracket. This gives you direct access to all electronics without having to disassemble the entire screen. Effortlessly combining sleek design with optimal ease of use!

⏻ Power connection

⚡ 24V DC

Most of our elevator screen solutions operate on 24V DC and can be directly connected to the elevator's 24V power supply or to 230V via an external power adapter. Using 24V low voltage ensures a simple and safe installation, saving both time and money. This low voltage solution reduces the risk of electrical accidents and enables installation in a wide range of elevators without extensive electrical modifications. Additionally, using 24V DC supports compatibility with existing elevator infrastructures and promotes energy-efficient operation.

💬 Power over Ethernet (PoE)

For screen sizes up to 27 inches, power can be supplied via PoE. PoE combines power and data connections through a single cable, making installation simpler and more cost-effective. It provides reliable power supply and increased safety by using low voltage cables. Additionally, PoE simplifies maintenance and allows for scalable expansions without complex wiring. This makes PoE an efficient, safe, and cost-effective solution for integrating screens in elevators, enhancing the reliability and operational efficiency of critical building management systems.

🗄️ Data Connection

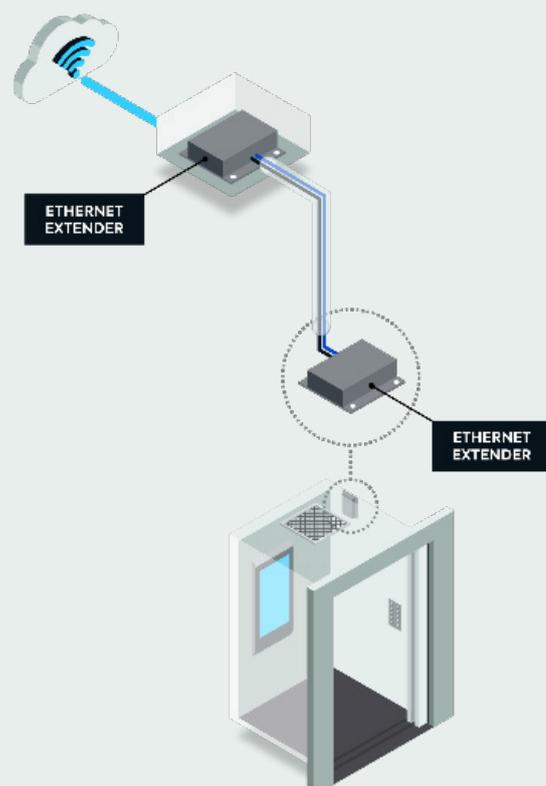
Ethernet Extender Solution:

For both remote maintenance and content updates, it is important that the screen is accessible remotely. Therefore, the screen must be connected to the internet. Internet in an elevator can sometimes be challenging because of its constant vertical movement.

Ethernet Extender Solution:

A possible cost-saving solution is to use an Ethernet extender, which allows you to create a LAN signal via the unused 2-wire cables in the elevator.

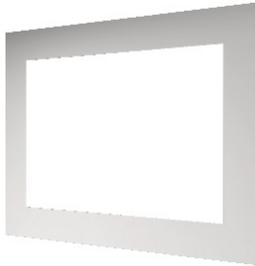
[MORE INFO](#)



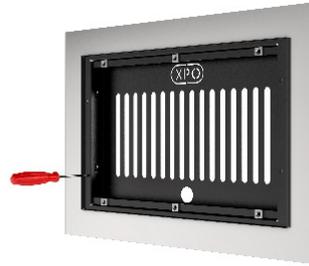
Mounting built-in version

The built-in version stands out with its unique patented mounting system. Instead of being mounted on the rear wall, the screen is attached to the front wall. This makes the available depth – at least 27 mm – irrelevant, allowing the screen to be seamlessly integrated into virtually any situation.

1



2



3



4



[See Video](#)

Mounting Surface-Mount Version

The surface-mount version features a unique housing that can be installed without the need for a (VESA) bracket. This housing includes a sturdy wall bracket that is easily attached to the wall. The technology can be effortlessly placed and, if necessary, quickly dismantled for maintenance. A smart and efficient solution that simplifies installation and maintenance!

1



2



3



4



[See Video](#)

ZENITH Elevator screens

Generic specifications

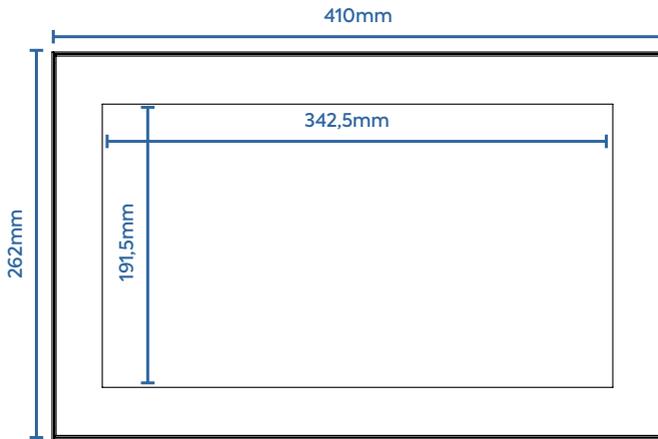
Beyond variations in screen and housing sizes, the media player options, display control board, and input/output (IO) remain consistent across both ZENITH models. To facilitate clarity, we have categorized the specifications into both generic and screen-specific details.

Player Specifications	BrightSign Built-in	Android	Windows/ Linux OS	Linux OS	HDMI-in
	HS145	XPO 922	Lattepanda	Raspberry Pi 5	Free of choice
Click or scan for more specs					-
Operating System (OS)	BrightSign OS	Android 9	Windows / Chrome OS	Linux based OS (Raspbian, Debian)	tbd
Hardware Capable Interfaces					
Serial over USB	Internal commando control interface	Communication interface with full control command set, embedded at hardware level			Custom solution required
UART	Same protocol as Serial over USB, sharing commandset				
GPIO	5 GPIO pins with additional rewired USB	-	Fullsized Arduino on-Board	Standard Raspberry PI 40 pins	tbd
Internal Storage	Micro SD slot (Recommended SD-HC1 UHS-1 Class 10)	32GB	64GB	MicroSD slot	tbd
External Storage options	USB drive	Micro SD / USB drive	Micro SD / SSD slot / USB drive	SSD slot / USB drive	tbd
USB connectivity options	1x USB-A / 1x USB (pin header)	1x USB-A 3.0, 1x USB-A 2.0	3x USB-A 3.2, 1x USB-C (Displayport)	2x USB-A 3.0, 2x USB-A 2.0	tbd
Ethernet connection	RJ45 (100Mbit)	RJ45 (100/1000Mbit)	RJ45 (2500Mbit)	RJ45 (100/1000Mbit) optional PoE+	tbd
WiFi (Requires additional external antenna inside elevator cabin for optimal signal)	Optional module in M.2 socket	Wi-Fi 5 onboard	Wi-Fi 6 onboard	Wi-Fi 5 onboard	tbd
Audio					
Internal amplifier	3W RMS				
Audio out	3.5mm Analog Line-out				

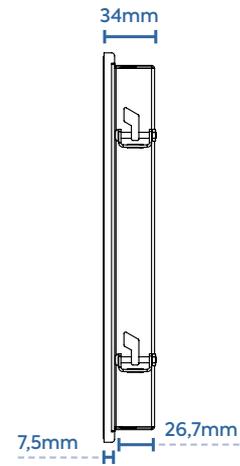
ZENITH Elevator screens 15"

Measurements built-in

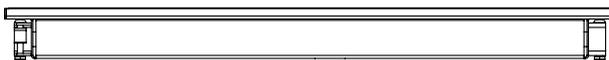
Frontview



Sideview



Topview



Required cut-out for the elevator panel



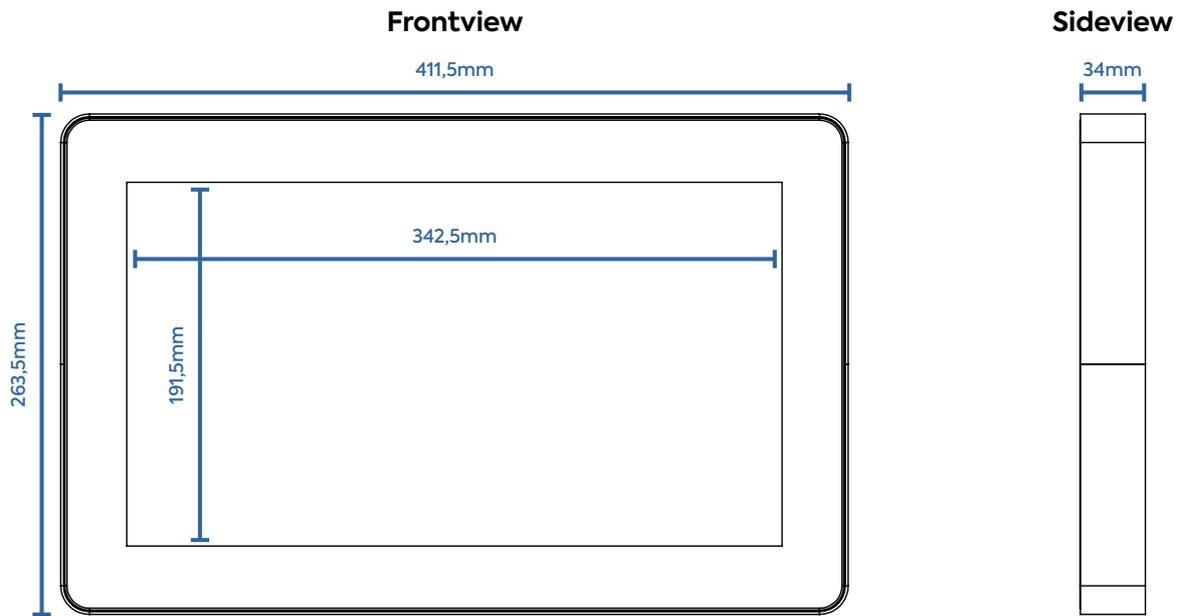
Full measurements
metric and imperial

		15 inch
Panel specifications	Panel size	15.6 inch
	Panel Brightness	500 cd/m ²
	Contrast Ratio	1000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	0.17925 x 0.17925 mm
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	40W
	Power consumption (typical)	20W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	3,5kg/7,6lb
	Operating temperature	-10 ~ 60 °C
	Operating Humidity	5~95%, non-condensing
Transport and storage	Package weight	4,5kg/9,9lb
	Package size	47 x 54 x 12 cm
	Storage temperature	-20 ~ 70 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty



ZENITH Elevator screens 15"

Measurements surface-mounted



Full measurements
metric and imperial

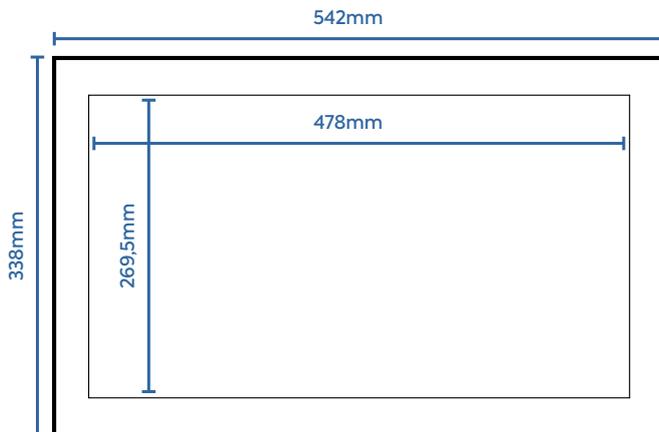
		15 inch
Panel specifications	Panel size	15.6 inch
	Panel Brightness	500 cd/m ²
	Contrast Ratio	1000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	0.17925 x 0.17925 mm
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	40W
	Power consumption (typical)	20W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	4,5kg/9,9lb
	Operating temperature	-10 ~ 60 °C
	Operating Humidity	5~95%, non-condensing
Transport and storage	Package weight	5,5kg/12,1lb
	Package size	47 x 54x 12 cm
	Storage temperature	-20 ~ 70 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty



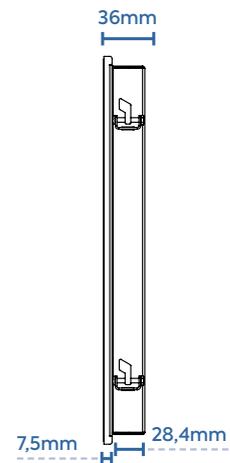
ZENITH Elevator screens 21"

Measurements built-in

Frontview



Sideview



Topview



Required cut-out for the elevator panel



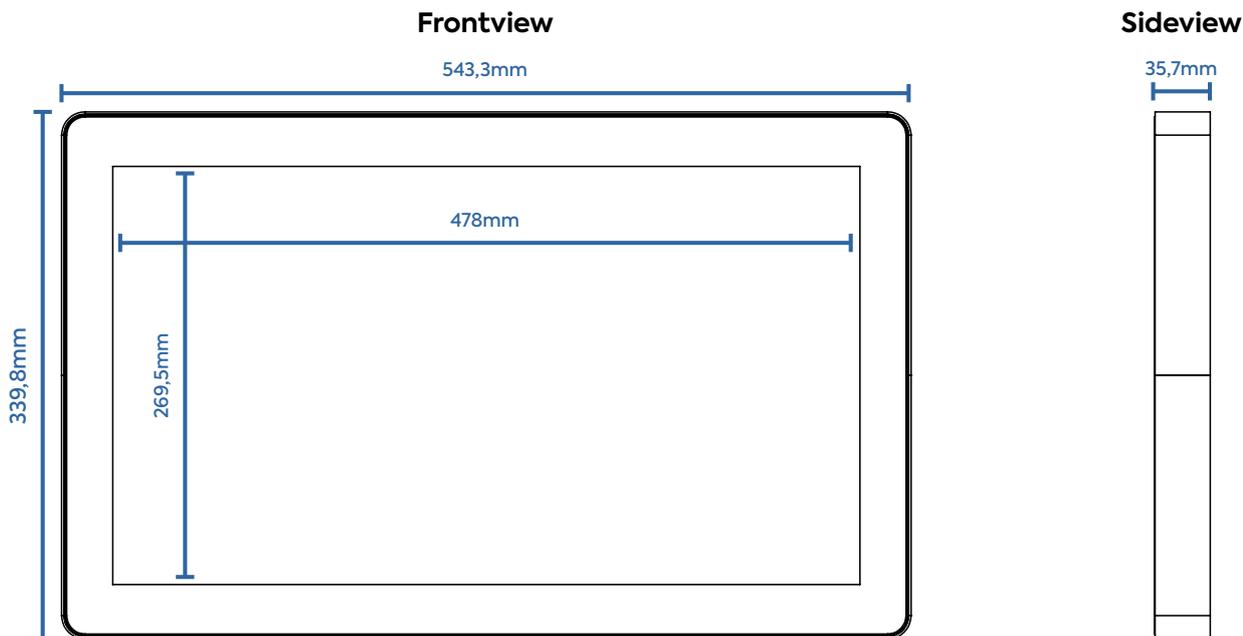
Full measurements
metric and imperial

		21 inch
Panel specifications	Panel size	21.5 inch
	Panel Brightness	250 cd/m ²
	Contrast Ratio	3000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	248.25 x 248.25
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	60W
	Power consumption (typical)	31W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	7kg/15.4lb
	Operating temperature	0 ~ 50 °C
	Operating Humidity	10~80%, non-condensing
Transport and storage	Package weight	8kg/17.6lb
	Package size	79 x 56 x 12 cm
	Storage temperature	-20 ~ 60 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty



ZENITH Elevator screens 21"

Measurements surface-mounted



Full measurements
metric and imperial

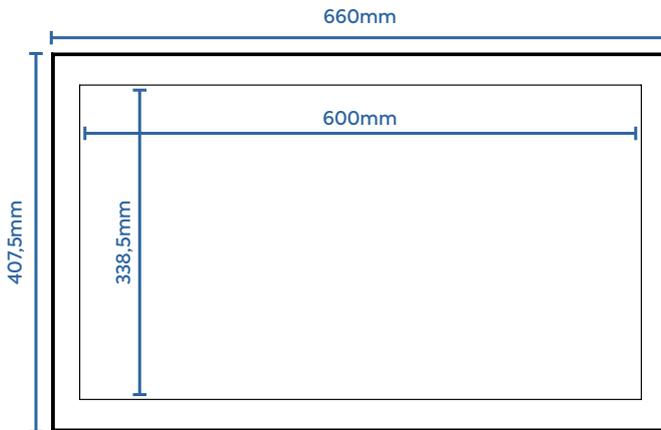
		21 inch
Panel specifications	Panel size	21.5 inch
	Panel Brightness	250 cd/m ²
	Contrast Ratio	3000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	248.25 x 248.25
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	60W
	Power consumption (typical)	31W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	8kg/17.6lb
	Operating temperature	0 ~ 50 °C
	Operating Humidity	10~80%, non-condensing
Transport and storage	Package weight	9kg/19.8lb
	Package size	79 x 56 x 12 cm
	Storage temperature	-20 ~ 60 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty



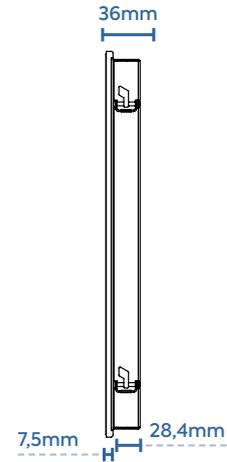
ZENITH Elevator screens 27"

Measurements built-in

Frontview



Sideview



Topview



Required cut-out for the elevator panel



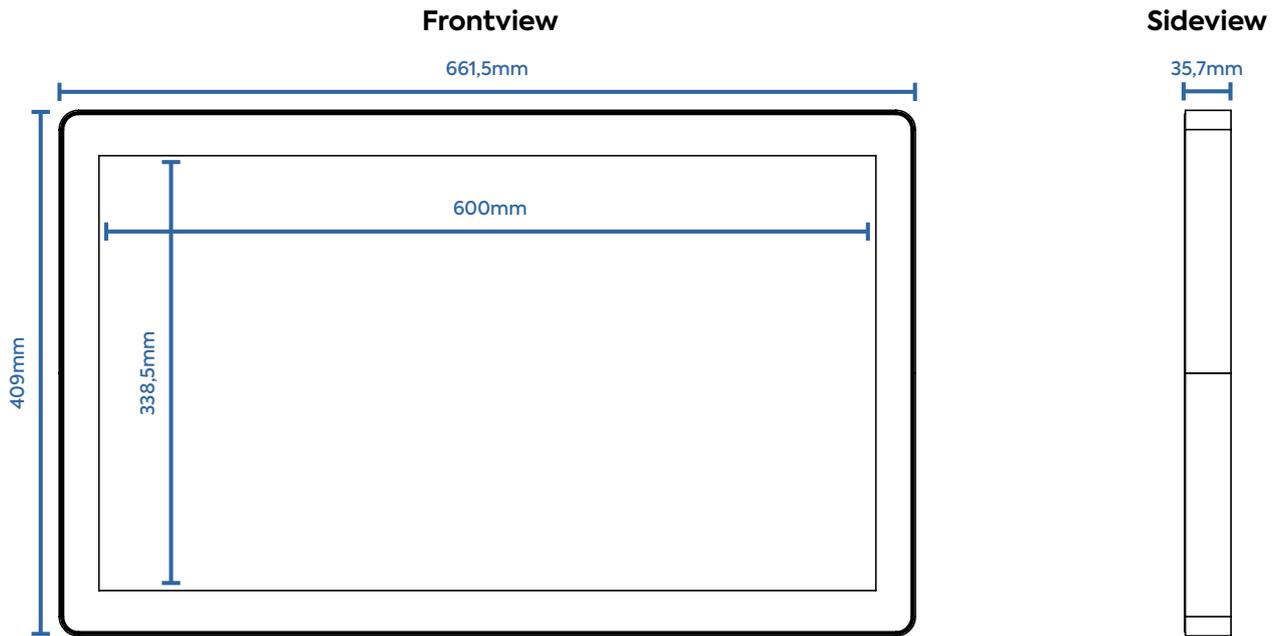
Full measurements
metric and imperial

		27 inch
Panel specifications	Panel size	27 inch
	Panel Brightness	300 cd/m ²
	Contrast Ratio	3000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	311.25 x 311.25
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	60W
	Power consumption (typical)	43W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	12kg/26.4lb
	Operating temperature	0 ~ 50 °C
	Operating Humidity	10~80%, non-condensing
Transport and storage	Package weight	13kg/28.7lb
	Package size	92 x 74 x 12 cm
	Storage temperature	-20 ~ 60 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty



ZENITH Elevator screens 27"

Measurements surface-mounted



Full measurements
metric and imperial

		27 inch
Panel specifications	Panel size	27 inch
	Panel Brightness	300 cd/m ²
	Contrast Ratio	3000:1 (Typ.)
	Display resolution	1920 x 1080
	Viewing Angle	89/89/89/89 (Typ.)
	Pixel Pitch	311.25 x 311.25
	Frame Rate	60Hz
Power	Power supply	100-240VAC/ 50/60Hz
	Operating voltage	24V DC
	Power adapter	60W
	Power consumption (typical)	43W
	POE (Optional)	PoE++
Warranty	Warranty period	3 year warranty (ship-in)
	Lifetime TFT panel	50.000 hours
Environmental	Weight	13kg/28.7lb
	Operating temperature	0 ~ 50 °C
	Operating Humidity	10~80%, non-condensing
Transport and storage	Package weight	14kg/30.8lb
	Package size	92 x 74 x 12 cm
	Storage temperature	-20 ~ 60 °C
	Storage humidity	5~95%, non-condensing
Options	Extended Warranty	5 year warranty

