



Product Manual



June 2020



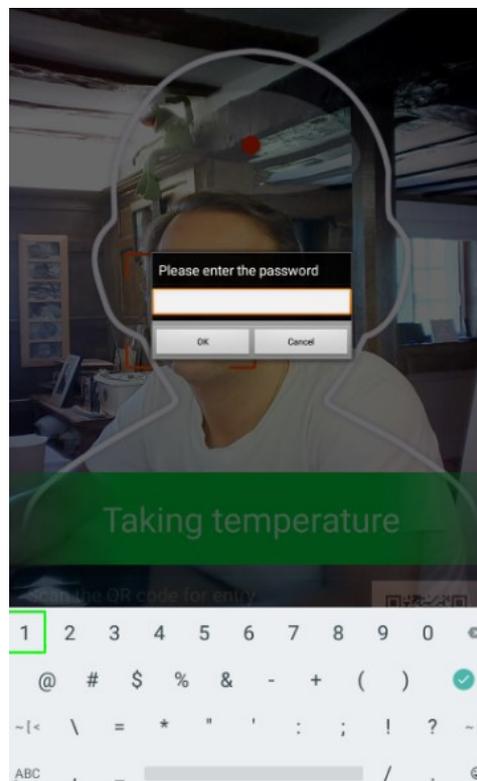
The FaceScan1000 from Instascan can be used with or without access gates for communities, office buildings, schools, hotels, holiday destinations, transportation hubs and other public service places.

Instructions for use.

The FaceScan1000 is ready for use straight out of the box. Once plugged in, using the 12V adaptor supplied, the unit boots up into the InstaScan app.

As soon as you place your face in the field of view on the screen, indicated by a cut out of a human, the device springs to life and instantly takes your temperature.

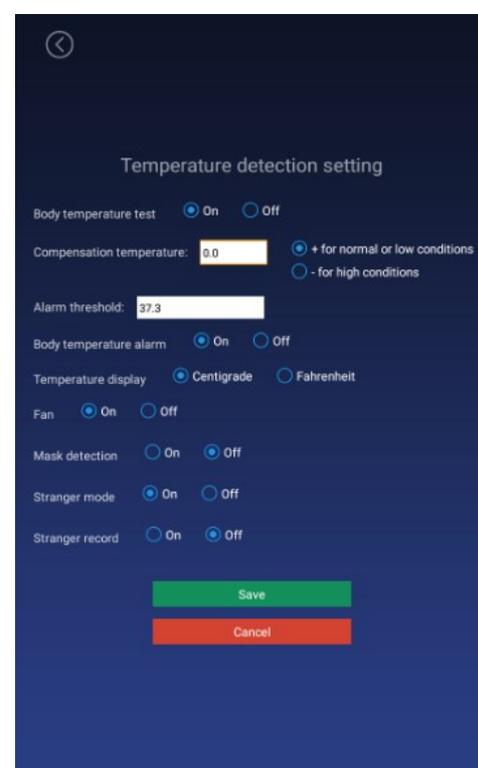
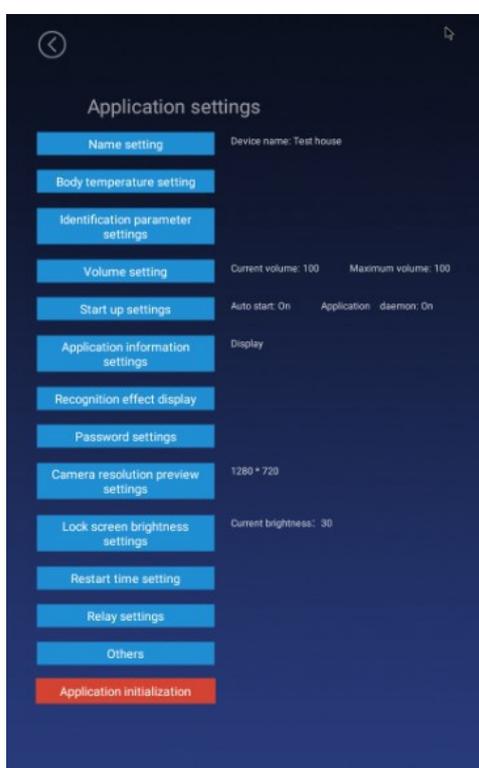
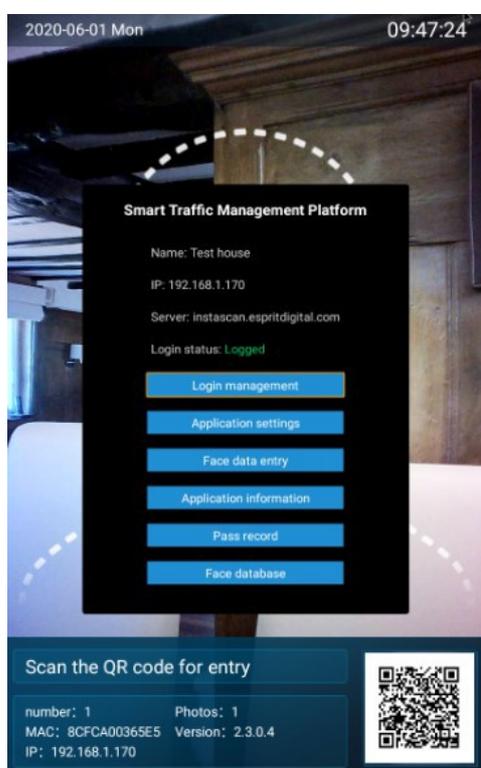
It is a good idea to setup the WiFi connection and change the time/date prior to starting. In order to get into the setup menu of the device you must connect a USB mouse with a scroll wheel. Right Click the mouse and then on the screen of the device it will ask for a password. Using the mouse, enter the password "123456" using the on-screen keyboard. This takes you to the standard Android Desktop where you can connect to WIFI in the settings menu (The settings cog!) Once finished with these changes reboot the device.



The InstaScan device will display your temperature on the screen and say the words, “Normal Temperature”. The LED lighting will go Green for approval. Should the person being scanned have a high temperature, then the unit will emit a siren and light up red.

To get to the In App menu system, using the mouse click on the center scroll wheel. This will bring up the password screen. Enter the password 123456 and this time you will see the menu setup screen. As a stand alone version, click on Application settings and make the changes you require. If you are connecting to our SAAS model you will need to click on Login Management and follow the instructions that came with your SAAS account.

After going back into the menu in the menu you are able to change the Name of the unit, along with its location. After this you can adjust the settings to allow for the various scanning modes.

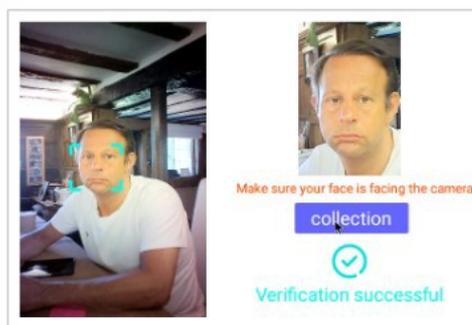


These include:

- Temperature Scanning only
- Mask detection – if you are not wearing a mask the unit will ask you to put one on before approving you.
- Facial Recognition – this allows you to scan up to 30,000 faces and the unit will recognise you in under a second and the same time as taking your temperature.

All this information is stored in a file on the unit that can be loaded onto an external USB stick if required. Simply plug in a USB stick into the yellow USB port, enter the setup menu, enter the Pass Record section and click export.

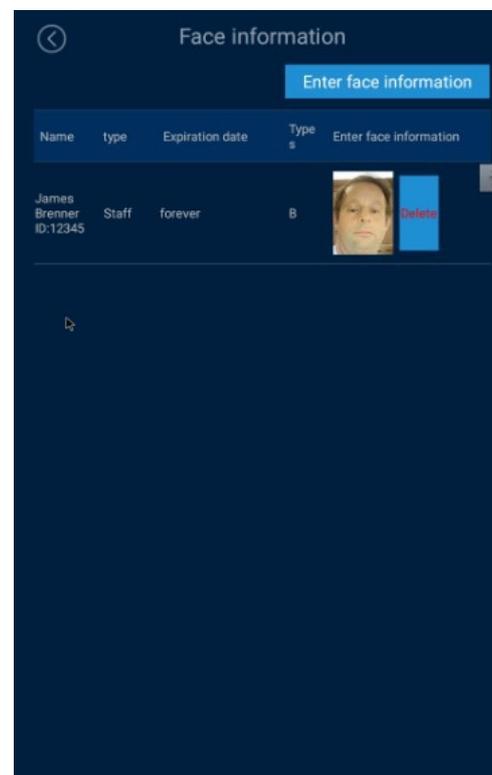
If you want to use the Face Recognition section, you need to first add faces. This can be from the “Face Data Entry” menu on the main menu page. Simply put the desired face between the cross hairs and click collection. Then enter the details including ID number if applicable and Name. Then click save.



ID

Name

Gender
 Male Female



All this information is stored in a file on the unit that can be loaded onto an external USB stick if required. Simply plug in a USB stick

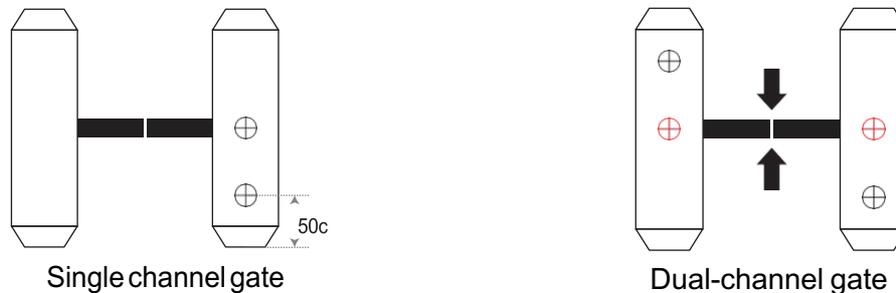
Specifications

Camera	Resolution	2 million pixels
	Type	Binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White balance	auto
	Photo flood light	LED and IR dual photo flood light
	Size	8.0 inch IPS LCD screen
Screen	Resolution	800×1280
	Touch	Not supported (optional support)
	CPU	RK3288 quad-core
Processor	Storage	EMMC 8G
	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
Interface	Serial communication	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
	Upgrade button	Support U-Boot upgrade button
	Wired network	1 RJ45 Ethernet socket

Function	Credit card reader	None (optional IC card reader, ID card, ID card)
	Face Detection	Supports detection and tracking of multiple people at the same time
	Face library	Up to 30,000
	1:N face recognition	Support
	1:1 face comparison	Support
	Stranger detection	Support
	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.
	Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
Infrared thermal imaging module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature measurement accuracy	$\leq \pm 0.5^{\circ}\text{C}$
	Temperature measurement range	10°C~42°C
	Pixels	32 X 32 dots (total 1024 pixels)
	Abnormal temperature alarm	Support (temperature alarm value can be set)
	Power	DC12V ($\pm 10\%$)
	Operating temperature	0°C~40°C
	Storage temperature	-20°C~60°C
	Power consumption	13.5W (Max)
General parameters	Size	Standard : 274.24*128*21.48 (mm)
		IC card / ID card : 296.18*132.88*25 (mm)
	Packing list	Machine * 1, power adapter * 1, manual * 1, certificate of conformity * 1

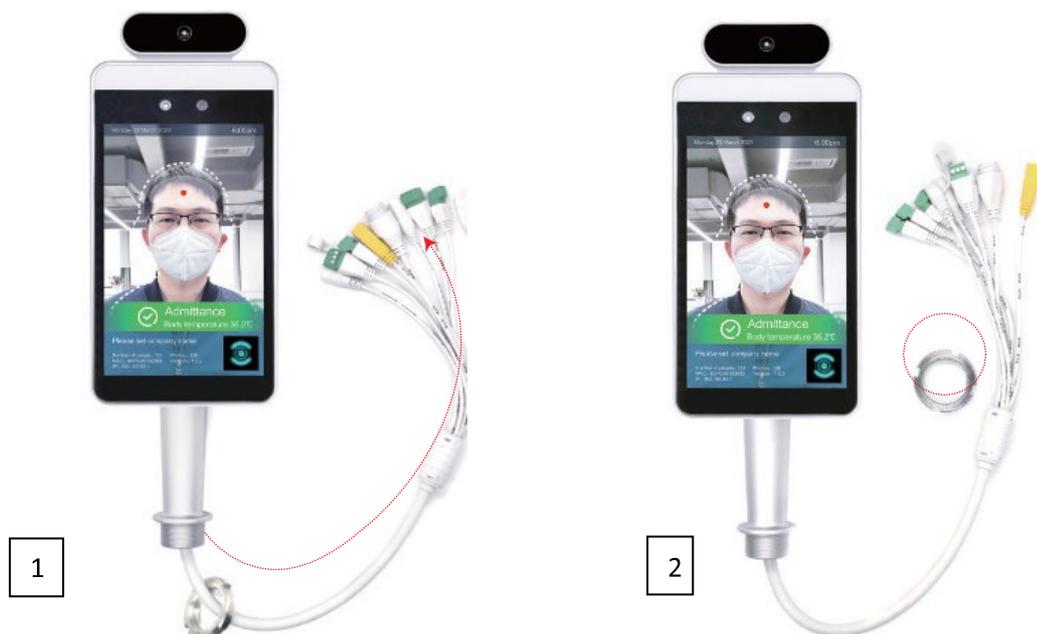
Installation – Gate (guide only)

According to the installation location, drill a 35mm diameter hole (as shown in the figure below) in the required location. For a gate installation like the one below this is normally at the middle or front side of the gate.



1. Unscrew the nut on the bottom of the gate head post, thread the cables out of the nut and remove the nut fully.
2. Next, thread the cables through your 35mm hole you cut previously, thread the cables through the hole, and then after fitting the cables through the nut, use the nut to fix the post to the gate.

NOTE: the same fixing method can be used fixing the display to other fixtures.

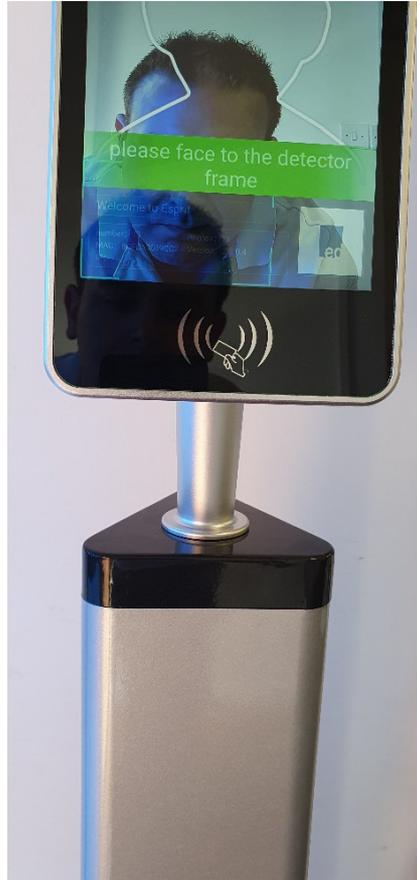




Installation – Podium (guide only)

1. Remove podium from box.
2. Remove the black plate on top of the podium, a simple POZI or Philips screwdriver is all that is needed.
3. Remove Instascan unit from packaging and unscrew locking nut on the lower section of the mounting podium.
4. Feed cables from Instascan unit through black mounting plate from mounting podium.
5. Feed the cables back through the locking nut you removed in step 3 and tighten locking nut up so unit is secured in place. Make sure the face of the Instascan unit is facing the side of the plate with no screw holes.
6. Now the Instascan unit is secured to the mounting plate you need to hold the unit in place near the top of the mounting pole and connect the power connector from the mounting pole to the corresponding connection coming from the unit.
7. Once connected carefully feed excess cable into the mounting podium and place the Instascan unit with mounting plate attached back in position on top of mounting podium. Secure in position with the screws you removed in step 2.
8. You can now power up the unit. In the box the unit arrived in, you will find the plug/power supply. Remove this from its box and connect to corresponding connection on the base of the mounting podium.

9. Plug in to power outlet - Unit should now be installed, powered and ready to use.



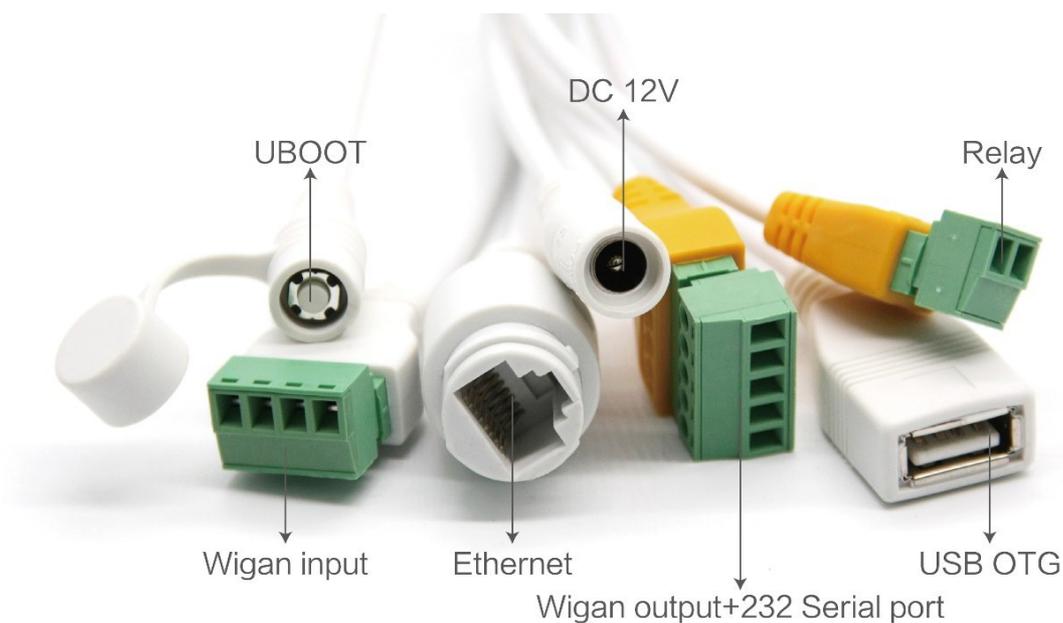
Installation – Wall Mount (guide only)

1. Remove wall bracket from the box and take out the four screws provided.
2. Screw the bracket to the wall using the four screws to secure.
3. Check the bracket is fully secure to the wall and in the correct position.
4. Finally, clip the Instascan unit to the bracket.

Care and Maintenance

- During the installation and use of the product, all electrical safety regulations must be strictly observed.
- Please use the power adapter provided. For specific requirements of the power adapter, see the product specifications table.
- When installing on the gate, please make sure that the product is installed firmly
- If the product does not work properly, please contact the after-sales service personnel. Do not disassemble or modify the product in any way. (The company does not assume any responsibility for problems caused by unauthorized modification or repair)
- Do not immerse the product in water. When the product is installed outdoors, try to use it with the optional rain cover provided by our company.
- Please understand that you are responsible for properly configuring all passwords and other related product security settings, and keeping your username and password private.
- If the equipment does not work properly, please do not disassemble it for repair, otherwise it will affect the equipment warranty
- Avoid extreme environments such as high temperature areas (or low temperature), high humidity, vibration, radiation, and chemical corrosion during installation and use.

Wire interface definition



The interface of each terminal is defined as follows.

■ Relay

	Terminal electrical definition
Pin1	COM
Pin2	NO

■ Wigan input

	Terminal electrical definition
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

■ Wigan output

	Terminal electrical definition
Pin1	D0_OUT
Pin2	D1_OUT
Pin3	GND

■ 232 serial port

	Terminal electrical definition
Pin1	232_RX1
Pin2	232_TX1
Pin3	GND



Esprit Digital Ltd
Unit 17/18 Gunnels Wood Park,
Gunnels Wood Road,
Stevenage SG1 2BH
+44 208 731 3121
www.espritedigital.com