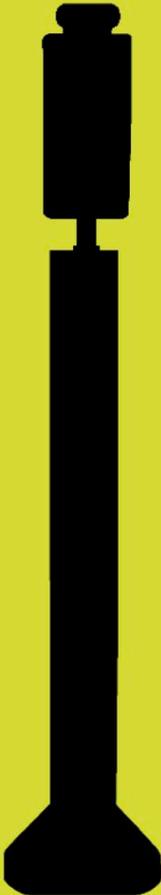


**SYNC SCAN
THERMAL
KIOSK**

Sync



**NEW
USER
GUIDE**



TABLE OF CONTENTS

Page

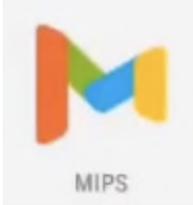
SETTING UP SYNC SCAN	2
SYNC SCAN DASHBOARD	3
WIFI	3
BULK UPLOAD VIDEO	3
HELP DESK PORTAL	3
DISINFECTING KIOSK	3
PREPARING THE AREA FOR SYNC SCAN	4
TEMPERATURE ADJUSTMENT	5
PREPARING THE PERSON BEING EVALUATED	6
HOW TO MOBILE DEVICE PICTURE UPLOAD	7
FACIAL RECOGNITION IMAGE REQUIREMENTS	8
SOFTWARE UPDATES	9
CREATE GROUPS FOR REPORTS	9
ATTENDANCE REPORTS	10
HIGH TEMPERATURE EMAIL & TEXT ALERTS	12
RENAME KIOSK(S)	12
ADD USERS/ADD ADMIN USERS	13
EDIT PERSON	13
DELETE PERSON	14
TECHNICAL SPECIFICATIONS + SECURITY	15

SETTING UP SYNC SCAN

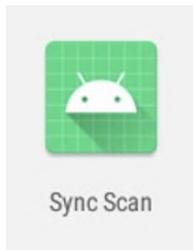
Hardware Kiosk Setup: <https://www.youtube.com/watch?v=-AolYfbtI8>

Install Sync Scan + Register: https://www.youtube.com/watch?v=KU4_J31fGRM

- Connect To WIFI
- Uninstall MIPS/DCMIPS



- Install Sync Scan: s24.io/ssapk



Register Device: Kiosk will display a 9-digit code after Sync Scan is installed and Opened. Enter code to register the device at syncscan.cloud (Username/Password Will Be Emailed).

The screenshot shows the Sync Scan web dashboard. At the top, there is a navigation bar with the 'sync' logo and menu items: Dashboard, Devices, People, Reports, and Settings. The user's name 'Scott Rotman' and role 'Sync City Demo' are displayed in the top right corner. Below the navigation bar, there is a '+ Register Device' button. The main content area contains a table with the following columns: Name, Software, MAC Address, IP Address, Connection, and Last Scan. A single device is listed in the table.

Name	Software	MAC Address	IP Address	Connection	Last Scan
S24 Demo	0.5.0	8c:fc:a0:04:32:c9	-	Disconnected 14d 21h 9m 13s ago	17d 9h 36m 12s

Overlaid on the dashboard is a 'Register Device' modal dialog. It has a title bar 'Register Device' and a text input field containing 'registration code'. Below the input field are two buttons: 'Register' and 'Cancel'.

SYNC SCAN DASHBOARD + WIFI + BULK UPLOAD

Sync Scan Dashboard: log into syncscan.cloud to see all temperature scans and adjust all kiosk settings.

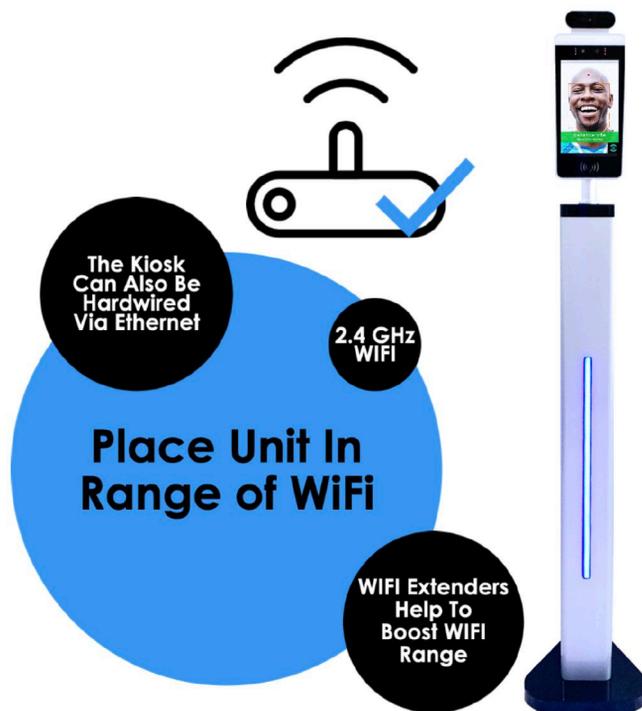
Sync Scan Dashboard Bulk Upload Tutorial:

<https://www.youtube.com/watch?v=3nA0OCniVGc>

Submit Issue Tickets: [https://syncscan.zendesk.com/hc/en-](https://syncscan.zendesk.com/hc/en-us/restricted?return_to=https%3A%2F%2Fsyncscan.zendesk.com%2Fhc&locale=en-us)

[us/restricted?return_to=https%3A%2F%2Fsyncscan.zendesk.com%2Fhc&locale=en-us](https://syncscan.zendesk.com/hc/en-us/restricted?return_to=https%3A%2F%2Fsyncscan.zendesk.com%2Fhc&locale=en-us)

Connect To/Change WIFI Network: (1) Right Click To Exit (2) Settings (3) Select Wi-Fi (4) Select Wi-Fi Network (2.4 GHz) & Enter Password



CLEANING KIOSK SCREENS

- **Gently Wipe Down Screen With a Screen Cleaner Sprayed a Few Times Onto a New Clean, Non-Abrasive Cloth (Microfiber is Great).**
- **CDC-Recommended Disinfectant Solutions Safe for Screens + Kiosk Frame**
 - 1) Household Bleach Solution (1/3 Cup of Bleach Per Gallon of Water)
 - 2) Isopropyl Alcohol ($\leq 70\%$ Alcohol)

Disinfecting Your Kiosk

1. To prepare for disinfecting the touchscreen, power down the device (if possible) or ensure your on-screen software can tolerate false touches while you clean.
2. Dampen a new clean, non-abrasive cloth (microfiber is great) with a disinfectant listed above. Ensure excess liquid is squeezed from the cloth.
3. Disinfect the surfaces by wiping them with the cloth and allow the surface to dry.

PREPARING THE AREA WHERE YOU WILL USE THE TEMPERATURE KIOSK

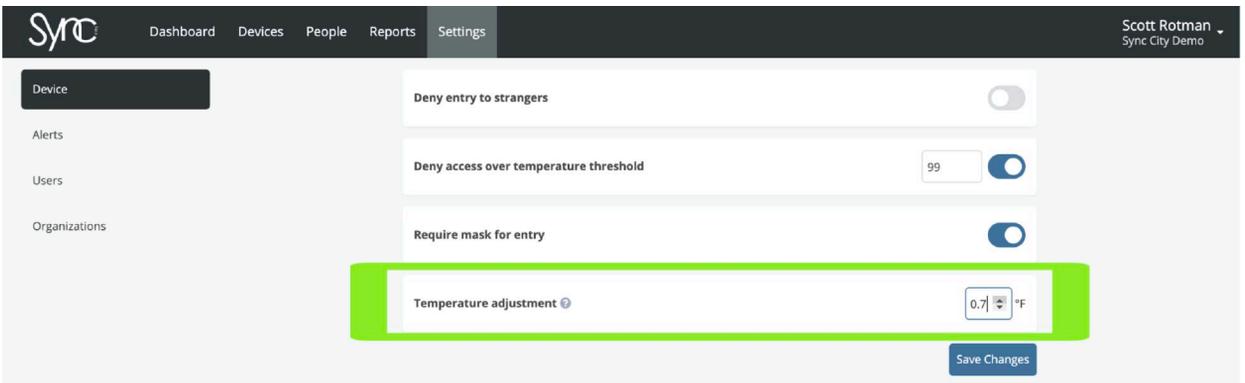
- Room temperature should be 68-76 °F (20-24 °C) and relative humidity 10-50 percent.
- Try to control other items that could impact the temperature measurement:
 - Avoid reflective backgrounds (for example, glass, mirrors, metallic surfaces) to minimize reflected infrared radiation.
 - Use in a room with no draft (movement of air), out of direct sunlight and away from radiant heat (for example, portable heaters, electrical sources).
 - Avoid strong lighting (for example, incandescent, halogen and quartz tungsten halogen light bulbs).



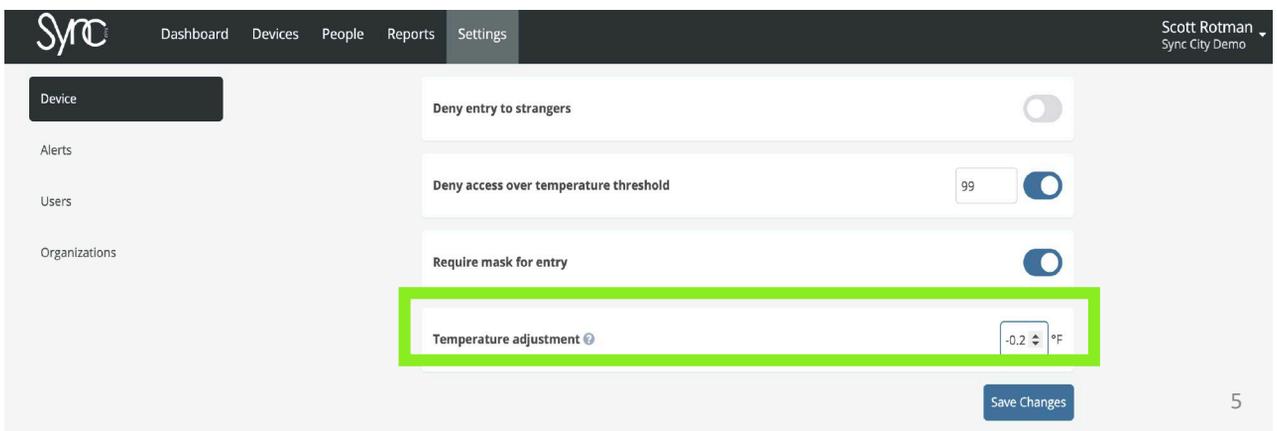
TEMPERATURE ADJUSTMENT

This thermal kiosk measures the surface skin temperature, which is usually lower than a temperature measured orally. Thermal imaging systems must be adjusted properly to correct for this difference in measurements. **The most accurate temperature scans are taken at 1 to 1.5 feet distance from the thermal kiosk.**

It is best to use the thermal kiosk at the temperatures of and between 68-76 °F (20-24 °C). However, if using the kiosk outside or in temperatures above or below 68-76 °F (20-24 °C) you can adjust the temperature under <Settings> **'Temperature adjustment'** in the Sync Scan Dashboard syncscan.cloud. If it is cold outside you can reduce the **'Temperature adjustment'** number and increase the **'Temperature adjustment'** number if warmer outside/in the sun. As the temperature outside changes, you will need to go back into the dashboard and adjust the **'Temperature adjustment'** number accordingly.



For the most accurate Temperature adjustment use a handheld noncontact thermometer on a test person to see what temperature should be read on the thermal kiosk. Change the **'Temperature adjustment'** in the Sync Scan Kiosk accordingly. For example, if the kiosk is reading temperatures high on average test a person's temperature with a handheld noncontact thermometer. If the handheld thermometer show the test person at a normal 98 °F while the kiosk shows 100 °F adjust the kiosk's **'Temperature adjustment'** to -2 (see image below).



PREPARING THE PERSON BEING EVALUATED

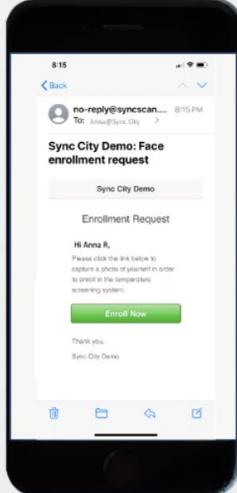
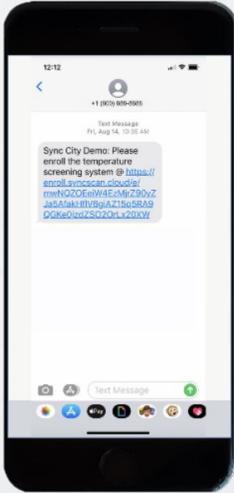
The person handling the system should make sure the person being evaluated:

- Does not have any face obstructions before measurement (such as a dark mask, glasses, hat, headband, or scarf), the person's hair is pulled away from the face, and the person's face is clean and dry.
- Does not have a higher or lower face temperature from wearing excessive clothing or head covers (for example, headbands, bandanas) or from using facial cleansing products (for example, cosmetic wipes).
- Has waited at least 15 minutes in the measurement room or 30 minutes after exercising, strenuous physical activity, bathing, or using hot or cold compresses on the face.



MOBILE DEVICE PICTURE UPLOAD

Sync Scan Selfie Upload



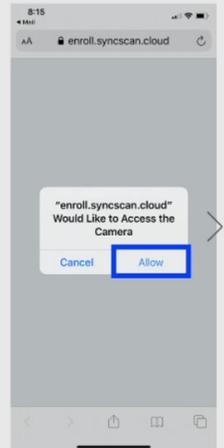
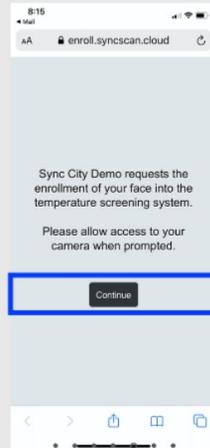
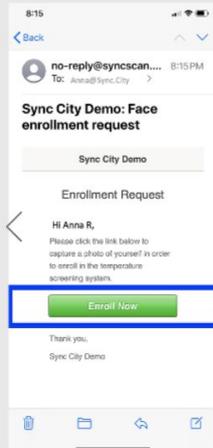
Look For A Text And/Or Email From Sync City

1

Sync

Allow Sync Scan Access To Your Camera

2



Take A Selfie & Submit

3



Take A Selfie With A Computer Or A Phone

* Sync Scan Selfie Upload Messages Will Look Different On Different Devices

FACIAL RECOGNITION IMAGE REQUIREMENTS

PLEASE NOTE: Facial recognition is most accurate when **ALL** 'people' have clear and accurate pictures uploaded to their profile. The algorithm learns faces overtime to become more accurate.

Face Is Lit Well No Masks & Headwear **Examples Of Great Selfies** Image Is Cropped Well Face Camera Directly



NOT GOOD PHOTOS



No Mask Too Dark No Hat No Hood

Too Zoomed In Too Washout No Hair & Shadows On The Face

SOFTWARE UPDATES

Manage Multiple Kiosks

Name	Software	MAC Address	IP Address	Connection	Last Scan
Door 1	0.4.1	a73hdi3r3r44e3	-	Connected 15h 7m 0s ago	45m 51s
Device 8cfca004d55e	0.4.1	a73hdi3r3r44e3	-	Connected 15h 7m 0s ago	31m 11s
Device 8cfca004d7cb	0.4.1	a73hdi3r3r44e3	-	Connected 15h 7m 0s ago	56m 36s
Device 8cfca004d571	0.3.0 update	a73hdi3r3r44e3	-	Connected 56s ago	Never



Click For Easy Software Updates

CREATE GROUPS FOR REPORTS

Create Groups

The top screenshot shows the 'People' tab in the Sync dashboard. A green arrow points to the 'Add Group' icon (a person with a plus sign) in the top navigation bar. Below the navigation bar is a table of people with columns: Photo, ID, Name, Manage Groups, Phone, Group, and Last Scan. The table lists three people: A. Jacob, D. Ashley, and D. Lawrence, all in the 'Default Group'.

The bottom screenshot shows the 'Edit Groups' modal. A green arrow points to the 'Add Group' button at the bottom of the modal. The modal lists several groups: Default Group, East Coast, Midwest, Test 1, and West Coast. The 'Add Group' button is highlighted with a green box.

ATTENDANCE REPORTS

Real-Time Dashboard + Custom Reports

Watch Temperatures Scans In Real-Time From The Sync Scan Software Portal/Dashboard
 Check to See That All Employee & Student Groups Have Checked-In With Reports

The screenshot displays the Sync software interface with the following details:

- Navigation:** Dashboard, Devices, People, Reports, Settings
- User:** Scott Rotman, Sync City Demo
- Report Settings:** Report: Attendance, Group: West Coast, Device: All Devices, Date Range: 08/19/2020 - 09/03/2020
- Table Data:**

Group	Person	08/19/20	08/20/20	08/21/20	08/22/20	08/23/20	08/24/20	08/25/20	08/26/20	08/27/20	08/28/20	08/29/20	08/30/20	08/31/20	09/01/20	09/02/20	09/03/20
West Coast	Cox, Jacob	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Coast	Fields, Matt	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
West Coast	Rotman, Scott	—	—	—	—	95.6	97.7	—	—	—	—	—	—	—	97.9	—	—
West Coast	S, Hannah	—	—	—	—	—	98.1	—	—	—	98.4	—	—	—	97.6	—	—

Customize Daily Reports

The screenshot displays the Sync software interface with the following details:

- Navigation:** Dashboard, Devices, People, Reports, Settings
- User:** Scott Rotman, Sync City Demo
- Report Settings:** Report: Scans, Group: All Groups, Device: All Devices, Date Range: 08/11/2020 - 09/02/2020
- Table Data:**

Date/Time	Person	Group	Device	Temperature	Mask	Result
08/10/20 19:55	—	—	Sync City West	—	—	Unidentified
08/13/20 11:31	—	—	Sync City West	—	—	Unidentified
08/13/20 11:31	—	—	Sync City West	—	—	Unidentified
08/13/20 16:14	—	—	Sync City West	—	—	Unidentified
08/13/20 16:14	—	—	Sync City West	—	—	Unidentified
08/13/20 16:14	—	—	Sync City West	—	Yes	Unidentified
08/13/20 16:18	—	—	Sync City West	—	—	Mask Required
08/13/20 16:50	—	—	Sync City West	97.5	—	Mask Required
08/13/20 16:50	—	—	Sync City West	97.5	Yes	Allowed
08/13/20 17:30	Rotman, Scott	Masters	Sync City West	97.9	—	Banned
08/13/20 19:54	—	—	Sync City West	97.9	—	Mask Required
08/13/20 19:54	Rotman, Scott	Masters	Sync City West	97.5	—	Banned
08/13/20 19:55	—	—	Sync City West	90.5	—	Mask Required
08/13/20 19:55	—	—	Sync City West	97.7	—	Mask Required
08/13/20 19:55	—	—	Sync City West	97.7	—	Allowed
08/13/20 19:55	—	—	Sync City West	97.9	Yes	Allowed
08/13/20 19:55	—	—	Sync City West	97.9	Yes	Allowed
08/13/20 19:56	—	—	Sync City West	97.9	Yes	Allowed
08/13/20 19:56	—	—	Sync City West	98.1	Yes	Allowed
08/13/20 19:56	—	—	Sync City West	97.9	—	Allowed
08/13/20 19:56	—	—	Sync City West	98.1	—	Allowed
08/13/20 19:56	—	—	Sync City West	97.7	—	Allowed

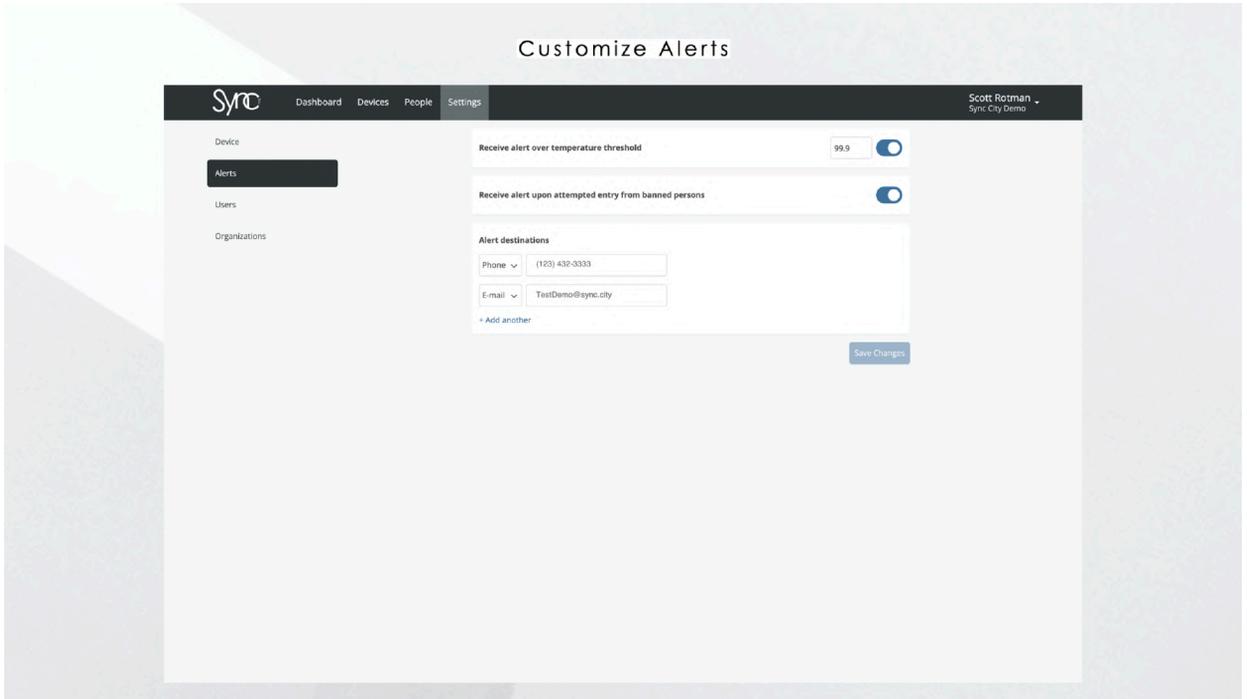
SEARCH TEMP CHECK-INS BY GROUP

Real-Time Dashboard + Custom Reports

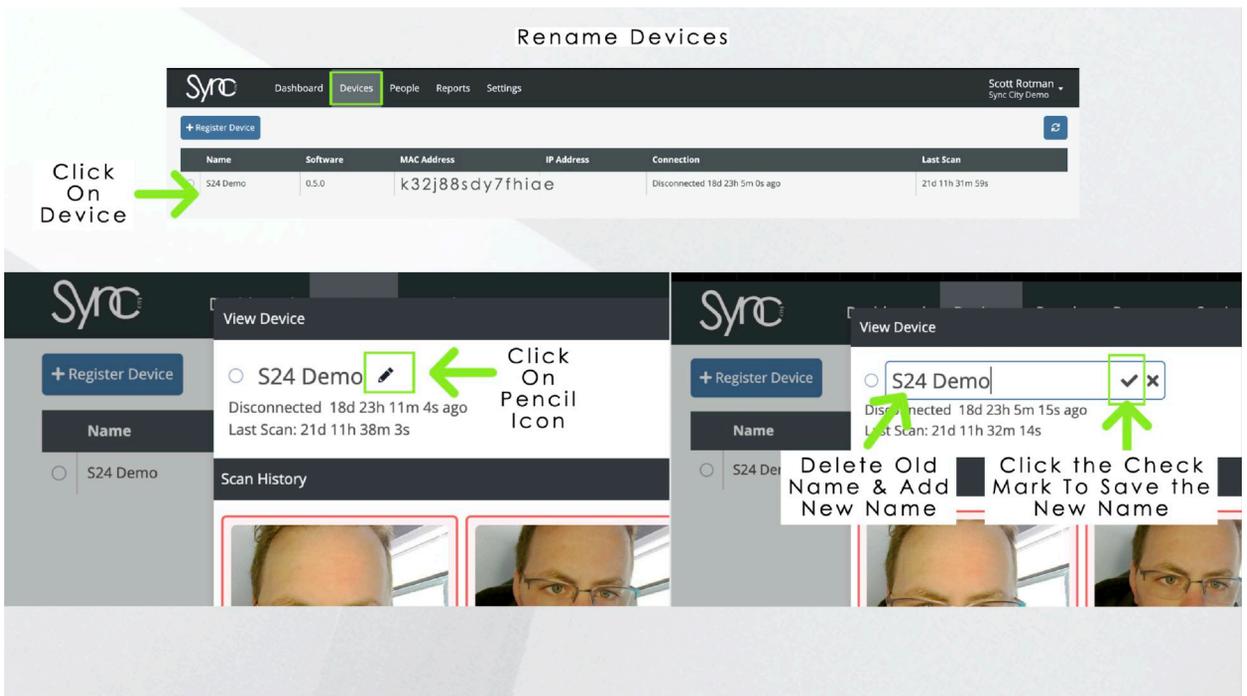
Watch Temperatures Scans In Real-Time From The Sync Scan Software Portal/Dashboard
 Check to See That All Employee & Student Groups Have Checked-In With Reports

Date/Time	Person	Group	Device	Temperature	Mask	Result
08/23/20 10:54	Rc	West Coast	Sync City West	98.1	—	High Temperature
08/23/20 10:54	Rc	West Coast	Sync City West	98.1	—	High Temperature
08/23/20 10:58	Rc	East Coast	Sync City West	97.7	—	Mask Required
08/23/20 10:58	Rc	Midwest	Sync City West	95.5	—	Allowed
08/23/20 10:58	Rotman, Scott	West Coast	Sync City West	96.8	—	Allowed
08/23/20 11:00	Rotman, Scott	West Coast	Sync City West	96.6	—	Allowed
08/23/20 11:04	Rotman, Scott	West Coast	Sync City West	92.5	—	Allowed
08/23/20 11:05	Rotman, Scott	West Coast	Sync City West	97.5	—	High Temperature
08/23/20 11:11	Rotman, Scott	West Coast	Sync City West	96.8	—	High Temperature
08/24/20 07:58	S, Hannah	West Coast	Sync City West	98.1	—	High Temperature
08/24/20 11:50	Rotman, Scott	West Coast	Sync City West	97.7	—	Mask Required
08/28/20 10:01	S, Hannah	West Coast	Sync City West	98.2	—	Mask Required
08/28/20 10:01	S, Hannah	West Coast	Sync City West	97.9	—	Mask Required
08/28/20 10:01	S, Hannah	West Coast	Sync City West	98.8	—	Mask Required
08/28/20 10:02	S, Hannah	West Coast	Sync City West	99.1	—	Mask Required
08/28/20 10:04	S, Hannah	West Coast	Sync City West	97.9	—	Mask Required
09/01/20 14:24	S, Hannah	West Coast	Sync City West	97.9	—	Mask Required
09/01/20 14:25	Rotman, Scott	West Coast	Sync City West	97.5	—	Mask Required
09/01/20 14:25	Rotman, Scott	West Coast	Sync City West	98.4	Yes	Allowed
09/01/20 14:25	S, Hannah	West Coast	Sync City West	97.5	Yes	Allowed
09/01/20 14:25	Rotman, Scott	West Coast	Sync City West	98.2	—	Mask Required
09/01/20 14:25	S, Hannah	West Coast	Sync City West	97.5	—	Mask Required
09/01/20 14:26	S, Hannah	West Coast	Sync City West	97.9	Yes	Allowed

HIGH TEMPERATURE EMAIL & TEXT ALERTS



RENAME DEVICES



ADD USERS/ADD ADMIN USERS

Add Users + Admin Users

The screenshot shows the Syrc interface with the following elements and annotations:

- (1) Click On Settings:** The 'Settings' menu item in the top navigation bar is highlighted.
- (2) Click On Users:** The 'Users' tab in the left sidebar is highlighted.
- (3) Click On Add User:** The '+ Add User' button is highlighted.
- (4) Add Name & Email:** The 'Name' and 'E-mail' input fields in the 'Add User' modal are highlighted.
- (5) Create Additional Admin Option:** The 'Grant administrative rights' checkbox in the modal is highlighted.
- (6) Click Save:** The 'Save' button in the modal is highlighted.

Alerts	Name	E-mail	Admin
	Sean Daily	SeanDaily@Sync.City	-
		DLynch@Sync.City	-
Organizations	Molly Banks	Banks@Sync.City	-
	Ava Green	Green@Sync.City	-

1) EDIT PERSON

Edit 1 Person

The screenshot shows the Syrc interface with the following elements and annotations:

- (1) Left Click On Person:** A green arrow points to the 'Person, Test' row in the user list.
- (2) Select 'Edit':** The 'Edit' button in the 'View Person' modal is highlighted.

Photo	ID	Name	Email	Phone	Group	Last Scan
	-	A, Jacob	-	-	Default Group	Never
	-	D, Ashley	-	-	Default Group	Never
	-	D, Lawrence	-	-	East Coast	Never
	-	F, Matt	-	-	East Coast	Never
	-	F, Sean	-	-	East Coast	Never
	-	J, Mei	-	-	East Coast	Never
	-	M, Cody	-	-	East Coast	Never
	-	M, Sally	-	-	East Coast	Never
	tp001	Person, Test	-	-	East Coast	Never
	sync0001	R, Scott	-	-	West Coast	09/07/20 13:40 at unknown device 8cfa0044ad7

2) EDIT PERSON

Edit **2** Person

The screenshot shows the Syrc 'People' management page. The 'People' tab is highlighted in green. A table lists several people. A modal window titled 'Edit Person' is open, showing a profile picture with 'Replace' and 'Remove' buttons, and a 'Request via email/SMS' checkbox. A green arrow points to the 'Replace' button with the text 'Change Profile Picture'. Another green arrow points to the 'First Name' field with the text 'Edit All Info'. The modal form includes fields for ID (tp001), Group (East Coast), First Name (Test), Last Name (Person), E-mail Address, Phone, and NFC Tag ID. There are 'Allowed' and 'Banned' status buttons and 'Save' and 'Cancel' buttons at the bottom.

Photo	ID	Name	Email	Phone	Group	Last Scan
	-	A, Jacob	-	-	Default Group	Never
	-	D, Ashley	-	-	Default Group	Never
	-	D, Lawrence	-	-	East Coast	Never
	-	F, Matt	-	-	East Coast	08/10/20 10:09 at S24 Demo
	-	F, Sean	-	-	test 1	09/21/20 07:11 at S24 Demo
	-	J, Mel	-	-	Default Group	Never
	-	M, Sally	-	-	Default Group	Never
	tp001	Person, Test	-	-	East Coast	Never
	sync0001	R, Scott	-	-	...	09/07/20 13:40

DELETE PERSON

Delete Person

The screenshot shows the Syrc 'People' management page. The 'People' tab is highlighted in green. A table lists several people. A context menu is open over the row for 'M, Sally', showing options: 'View', 'Edit', and 'Delete'. A green arrow points to the 'Delete' option with the text '(2) Select 'Delete''. Another green arrow points to the 'M, Sally' row with the text '(1) Right Click On Person'. The 'Delete' option is highlighted with a green box.

Photo	ID	Name	Email	Phone	Group	Last Scan
	-	A, Jacob	-	-	Default Group	Never
	-	D, Ashley	-	-	Default Group	Never
	-	D, Lawrence	-	-	East Coast	Never
	-	F, Matt	-	-	East Coast	08/10/20 10:09 at S24 Demo
	-	F, Sean	-	-	test 1	09/21/20 07:11 at S24 Demo
	-	J, Mel	-	-	Default Group	Never
	-	M, Cody	-	-	East Coast	Never
	-	M, Sally	-	-	Default Group	Never
	tp001	Person, Test	-	-	East Coast	Never
	-	-	...	09/07/20 13:40

HARDWARE 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
Screen	Size	8.0 inch IPS LCD screen
	Resolution	800×1280
	Touch	Not supported (optional support)
Processor	CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
	Storage	EMMC 8G
Interface	Network module	Ethernet and wireless (WIFI)
	Audio	2.5W / 4R speakers
	USB	1 USB OTG, 1 USB HOST standard A port
	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 Uboot 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	

HARDWARE SPECIFICATIONS

Infrared thermal imaging module	Temperature detection	Support
	Temperature detection distance	1 meter (optimal distance 0.5 meter)
	Temperature measurement accuracy	≤ ±0.5°C
	Temperature measurement range	10°C~42°C
	Thermal field of view	32 X 32°C
	Visitors' temperature is normal and released directly	Support
	Abnormal temperature alarm	Support (temperature alarm value can be set)
General parameters	Power	DC12V (±10%)
	Operating temperature	0°C~60°C
	Storage temperature	-20°C~60°C
	Power consumption	13.5W (Max)
	Installation method	Gate bracket installation
	Size	Standard: 274.24*128*21.48 (mm) IC card / ID card: 296.18*132.88*25 (mm)



It is best to use the thermal kiosk at the temperatures of and between 68-76 °F (20-24 °C). However, if using the kiosk outside or in temperatures above or below 68-76 °F (20-24 °C) you can adjust the temperature under <Settings> **'Temperature adjustment.'** We recommend using a handheld contactless thermometer to calibrate the thermal kiosk. See pages 3-5 for how to prepare the room and people being evaluated.

HARDWARE SPECIFICATIONS



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

HARDWARE SPECIFICATIONS

■ 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

SYNC CLOUD PORTAL SECURITY

Sync Cloud sits on a Digital Ocean Server. We do not share customer data with any third parties, other than our infrastructure provider. We require TLS with strong ciphers for all communication, and our database and storage are encrypted at rest. Our infrastructure provider is ISO/IEC 27001:2013 certified, and the facility in which our servers are hosted is SSAE16 SOC-2 and SOC-3 compliant.

PLEASE NOTE: Sync Scan is not a medical device. This device is not FDA approved and is intended for initial body temperature measurements for triage use. It can not be the sole or primary method of diagnosing COVID-19 or any other condition. Indication of an elevated body temperature should be confirmed with secondary evaluation methods such as a clinical grade contact thermometer.