



tangent

Heatview Kiosk Solution

Overview:

The Heatview Kiosk Solution is comprised of a hardware device that registers the user's temperature that can be operated in standalone/off-line mode to scan and detect temperatures and trigger local visual and audible alarms, however, the full features of the solution require the server-based management console software.

Device:

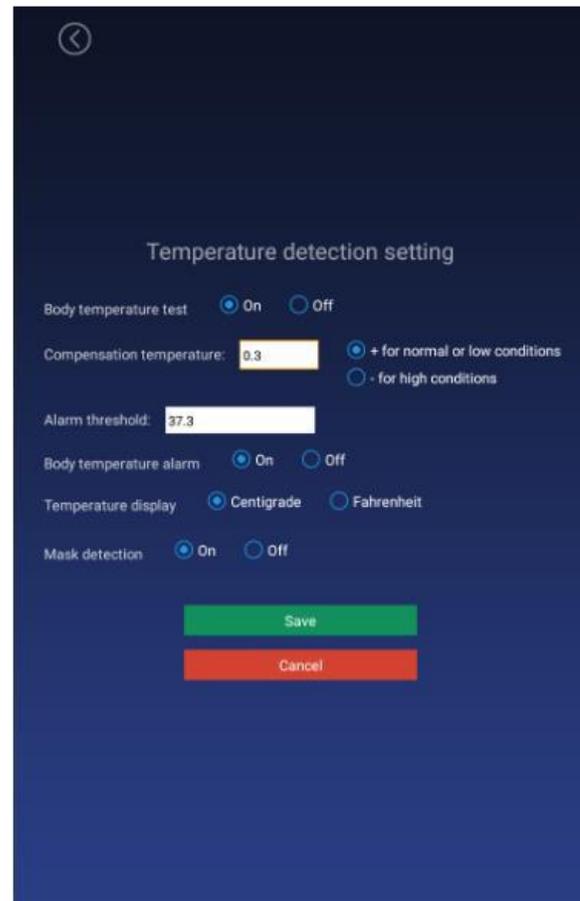
The device itself is a Mini AIO with an 8" screen. It features facial recognition, temperature scanning via IR camera, a standard RFID reader (not SSO/Imprivata capable), and a built-in speaker for audible prompts or alarms. Additionally, it features 2x USB ports, 1x Lan Port, as well as serial port driven proprietary connectors that can activate door locks.

The device communicates with the console management server through the local LAN, either via Ethernet or WiFi. Although the device has built in storage, and can have locally created users, all events and logs are stored on the server, not locally.

The device has a short 8" stem that has a locking collar. Available mounting options include a desktop stand; a medium height 60cm (~24") tall pedestal which would bring the device screen about 3 feet high, appropriate for children, and a full height pedestal which is 110cm (~ 43"), which brings the screen height to approximately 55".

The device does not have a built-in battery; however, it can be powered using external power sources such as the Tangent battery holsters.

Some features, such as system parameters (including temperature settings & thresholds, mask wearing detection and alarms) can be set on the local device but they will be overridden by the console-controlled settings once the device connects to the console.



Server Management Console:

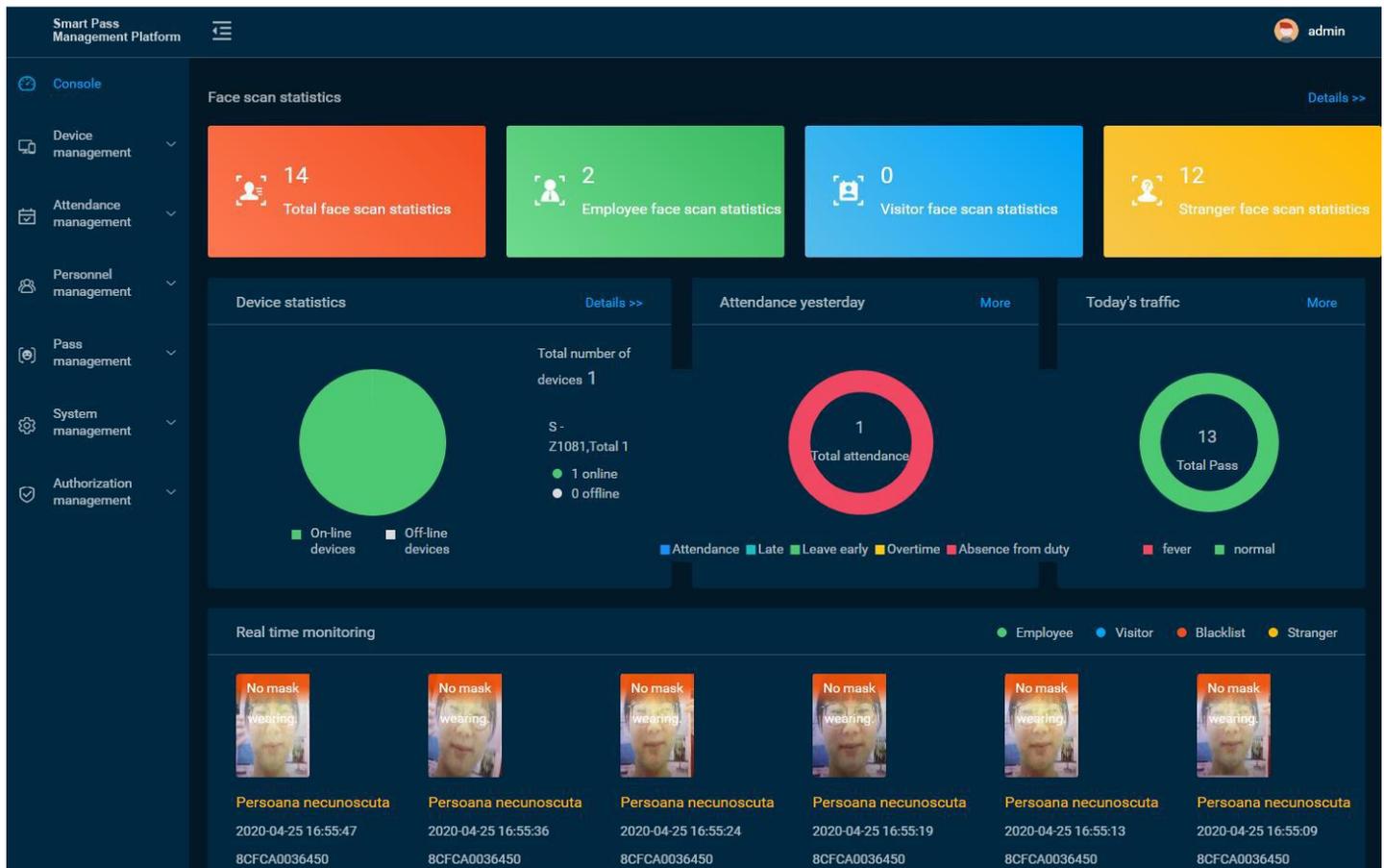
The Management Console is a web-based program that is installed on a remote system. It provides the central management controller for one or more scanning devices and can provide real time monitoring of those devices. It also serves as the repository/storage of all the events and logs generated by the scanning devices.

The console is divided into multiple sections.

Dashboard:

The Dashboard is the main interface of the console and provides an overview of the number of devices connected, the number of users and events, as well as a running log of those scanned events.

The left side of the dashboard provides access to the management functions.



Device Management/Device List:

The Device Management section allows management of the individual scanning devices. The devices can be grouped based on various criteria at the administrator's discretion (e.g. by room or by floor). And the devices can be controlled either individually or at group level.

All the functions available can be applied at device or group level. Parameter settings, temperature threshold settings, and volume settings can be set remotely and applied, as well as power functions (restart, shutdown and reset). Additionally, the client software can be upgraded remotely.

Device management / Device list

Operate ▾

All group
Default group

Body temperature test Parameter settings Power control ▾ More ▾

Delete Move groups

Device name ▾ Enter keyword

Shut down
Restart
Reset

Device name	Access type	Online status	Version	IP address	MAC Address	Operate
<input checked="" type="checkbox"/> 8CFCA0038A43	Enter the gate	Online	2.1.0.8	192.9.51.221	8CFCA0038A43	⋮ ⋮ ⋮ ⋮ ⋮
<input type="checkbox"/> 8CFCA0036372	Enter the gate	Online	2.1.0.8	192.9.50.194	8CFCA0036372	⋮ ⋮ ⋮ ⋮ ⋮
<input type="checkbox"/> 8CFCA0035EFC	Enter the gate	Online	2.1.0.8	192.9.51.1	8CFCA0035EFC	⋮ ⋮ ⋮ ⋮ ⋮

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Another major function is the ability to monitor a device in real time. Currently the image needs to be refreshed, however a future update will provide a true live view of the device screen.

Device management / Device list / Device monitoring

Real time monitoring Log monitoring

Device name: 8CFCA0038A43
Online status: Online

Restart Shut down Screenshot time: 2020-04-08 19:46 Refresh screenshot

Screenshot of device screen showing a circular pattern.

Personnel Management

Employee List

In the Personnel Management Section, the “Employee List” is the list of employees that will log in.

Employees can be added directly into the device if the device is to be used as a standalone or in off-line mode. The users can be added either individually or in bulk. If adding in bulk, it requires a special formatted template and images, that the software provides, which is filled in with the user’s information. For facial recognition purposes, photos of the users can also be uploaded and associated with the users that were added using the template. As long as the photo file name is the same as the user ID it will be matched with that user.

Personnel management / Employee list

Single addition Add in bulk Export

Refresh

Please enter personnel ID, name or phone number for fuzzy query. Q

<input type="checkbox"/>	Portrait photo	Employee ID	Name	Phone number	Email	Creation time	Operate
<input type="checkbox"/>		304	Henry Jones			2020-04-08 15:07:11	
<input type="checkbox"/>		303	Dominic G.	15000000005		2020-04-08 14:22:28	
<input type="checkbox"/>		302	Chris P.	15000000003		2020-04-08 11:44:21	
<input type="checkbox"/>		301	Don Yuen	15000000002		2020-04-08 11:38:44	
<input type="checkbox"/>		199	Ronald P.	13823335504		2020-04-08 11:06:10	
<input type="checkbox"/>		193	Alex K.	13612843310		2020-04-08 11:06:10	
<input type="checkbox"/>		192	Chien S.	13590289322		2020-04-08 11:06:10	
<input type="checkbox"/>		191	Helen Quan	13692269573		2020-04-08 11:06:10	

Visitors & Blacklist

Besides employees, the console can also manage visitors, and even create a blacklist of users that will be specifically denied access.

Pass Management

Pass Records

In the Pass Management Section, you can view all the pass/ no pass records. They can be viewed by date range, by pass temperature (normal or abnormal), mask or no mask, or by ID number. Also supported are keywords such as names.

The list can be exported, with the resulting file in Excel format.

Pass management / Pass records

Export Export records Delete settings

Regular refresh: Date range: 2020-07-09 - 2020-07-09 Status: All Traffic status: All Type of access: All

Enter name or device name for fuzzy query.

Snap photo	Name	ID	Body temperature	Pass status	Device name	Access direction	Creation time
	访客002	Visitor	None	No mask wearing.	8CFCA0038A43	IC card	2020-04-08 17:09:20
	cao jian	Employee	None	No mask wearing.	8CFCA0038A43	IC card	2020-04-08 17:09:12
	cao jian	Employee	None	No mask wearing.	8CFCA0036372	Face recognition	2020-04-08 16:57:28
	cao jian	Employee	None	Body temperature is normal.	8CFCA0036372	Face recognition	2020-04-08 16:57:25
	cao jian	Employee	None	Body temperature is normal.	8CFCA0036372	Face recognition	2020-04-08 16:55:59
	cao jian	Employee	None	Body temperature is normal.	8CFCA0036372	Face recognition	2020-04-08 16:55:40

Pass Permissions

The Pass/No Pass permissions can be set globally or individually, and can be set as permanent or with expiration dates.

Pass management / Pass permission

Employee pass permission Visitor pass permission

Refresh

<input type="checkbox"/>	Portrait photo	Portrait check status	Personnel ID	Name	ID	Phone number	Expiration date	Operate
<input type="checkbox"/>		Checked	304	Dominic G.	Employee		Permanent	
<input type="checkbox"/>		Checked	302	Chris P.	Employee	1500000003	Permanent	
<input type="checkbox"/>		Checked	301	Don Yuen	Employee	1500000002	Permanent	
<input type="checkbox"/>		Checked	12	Ronald P.	Visitor	1510000001	from 2020-04-08 00:00 to 2020-04-08 23:59	

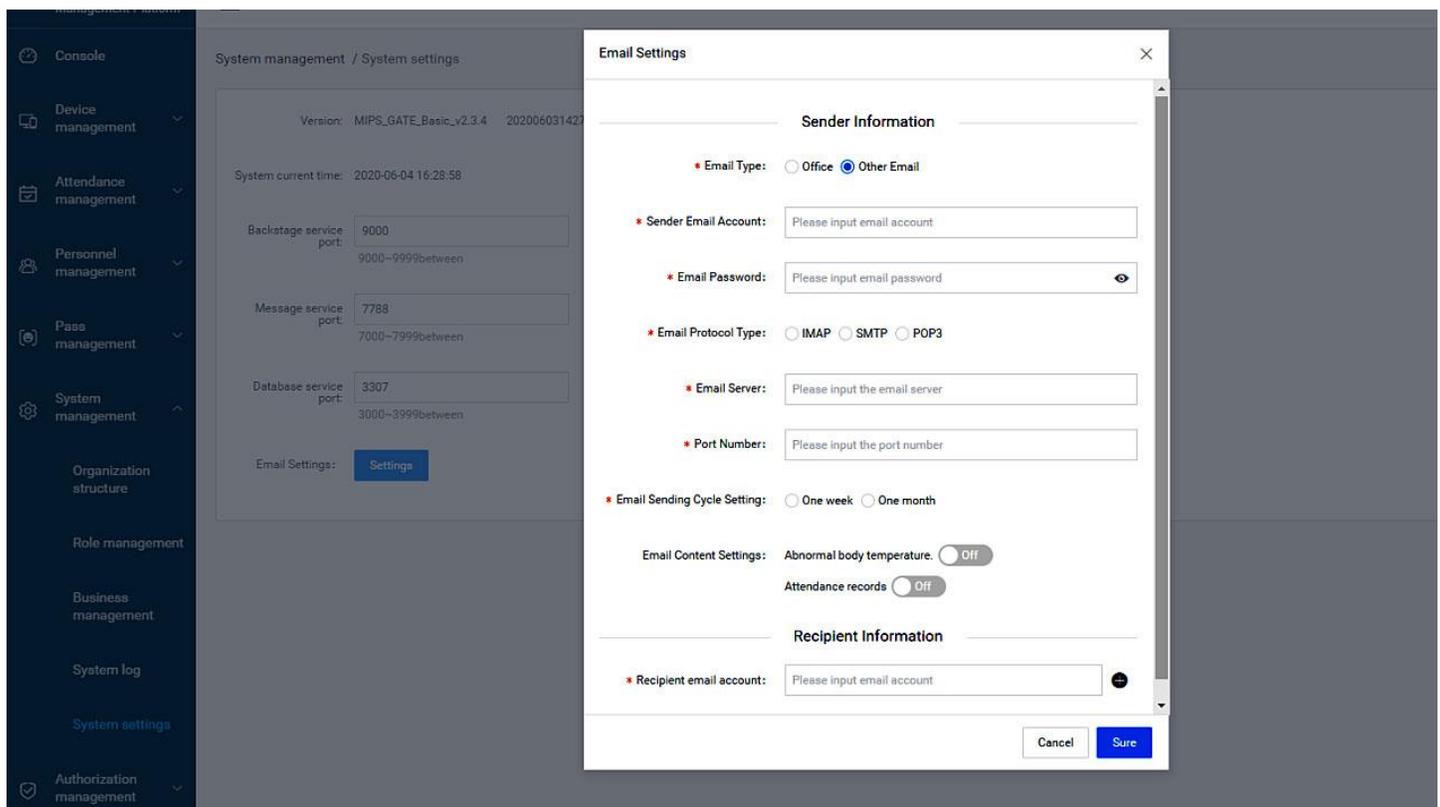
Blacklist Monitoring

This Blacklist Monitoring option allows active monitoring of users on the blacklist, as well as recording those events (attempts to enter).

System Management

This System Management section is where the organizational setup of the company is done. It allows the setup of user groups with administrative rights and defines the roles of the various users.

An additional feature allows you to set email settings for a person, persons or department that will receive specified email notifications. By default, notifications containing the attendance records will be sent either weekly or monthly from the time the function was enabled. However, there is also an option to enable instant notifications based on abnormal (out of range) temperature readings. When such an event occurs, an email is dispatched instantly to the recipient list.



The screenshot displays the 'System management / System settings' interface. The left sidebar contains navigation options: Console, Device management, Attendance management, Personnel management, Pass management, System management (highlighted), Organization structure, Role management, Business management, System log, System settings, and Authorization management. The main content area shows system information: Version: MIPS_GATE_Basic_v2.3.4 202006031427, System current time: 2020-06-04 16:28:58, Backstage service port: 9000 (range 9000-9999), Message service port: 7788 (range 7000-7999), and Database service port: 3307 (range 3000-3999). An 'Email Settings' button is visible. A modal dialog titled 'Email Settings' is open, containing the following fields and options:

- Sender Information**
 - Email Type: Office Other Email
 - Sender Email Account: Please input email account
 - Email Password: Please input email password (with eye icon)
 - Email Protocol Type: IMAP SMTP POP3
 - Email Server: Please input the email server
 - Port Number: Please input the port number
 - Email Sending Cycle Setting: One week One month
 - Email Content Settings: Abnormal body temperature: Off, Attendance records: Off
- Recipient Information**
 - Recipient email account: Please input email account

Buttons for 'Cancel' and 'Sure' are located at the bottom right of the dialog.

Attendance Management

The system was designed from an employee attendance monitoring point of view. To this end it provides tools to define attendance rules as well as monitor that attendance.

Attendance Rules

The Attendance Rules section allows you to define how attendance is tracked, and the rules that govern it. Work/attendance shifts can be defined, the hours of those shifts, as well as National and Company-specified holidays can be setup.

Attendance management / Attendance rules

Shift setting Holiday settings Public holiday settings Device group settings

[+ New shifts](#)

Shift Name	Shift (work time~off time)	Number of people	Operate
Day shift	Shift 1:09:00~18:00	2	

Attendance Record and Statistics

Under the Attendance Record and Statistics section, you can view and export the attendance records and statistics.

Attendance management / Attendance records

[All group](#)
[Default group](#)

Attendance records [Export](#)

Name	Date	Employee group	Employee ID	First clock on	not clock on	Body temperature	Status	Operate
s	2020-04-23	Default group	111				Absence	
yg	2020-04-21	Default group	1				Absence	
s	2020-04-20	Default group	111				Absence	
yg	2020-04-20	Default group	1				Absence	
s	2020-04-19 Playday	Default group	111					
yg	2020-04-19 Playday	Default group	1					

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