

## **Innotel Solutions Pte Ltd**

5014 Ang Mo Kio Avenue 5  
#04-06 Techplace 2 Singapore 569881

Tel : +65 6227 8887

Mail : [enquiry@innotel.com.sg](mailto:enquiry@innotel.com.sg)

## Introducing Facial Recognition Wrist Temperature Screening Solution



Model	INT-HTS-BDS1-BD
Appearance	OET-213H Face Recognition Terminal + OEP-BTS1-NB temperature module
Shell	FR Terminal: Plastic/ Temperature module: Metal
Temperature Measurement	0.1°C accuracy, 0.3°C deviation, 1 cm-4cm distance
Camera	Dual 2MP
Screen	7 inch touch screen
Built-in card reader	YES
Face Capacity	10,000
Installation	Wall mounted Desktop installation(external bracket required) Floor-stand installation(external bracket required)





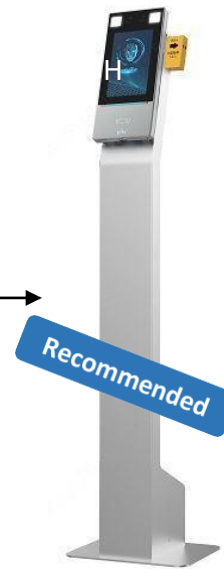
INT-HTS-BTS1-BD



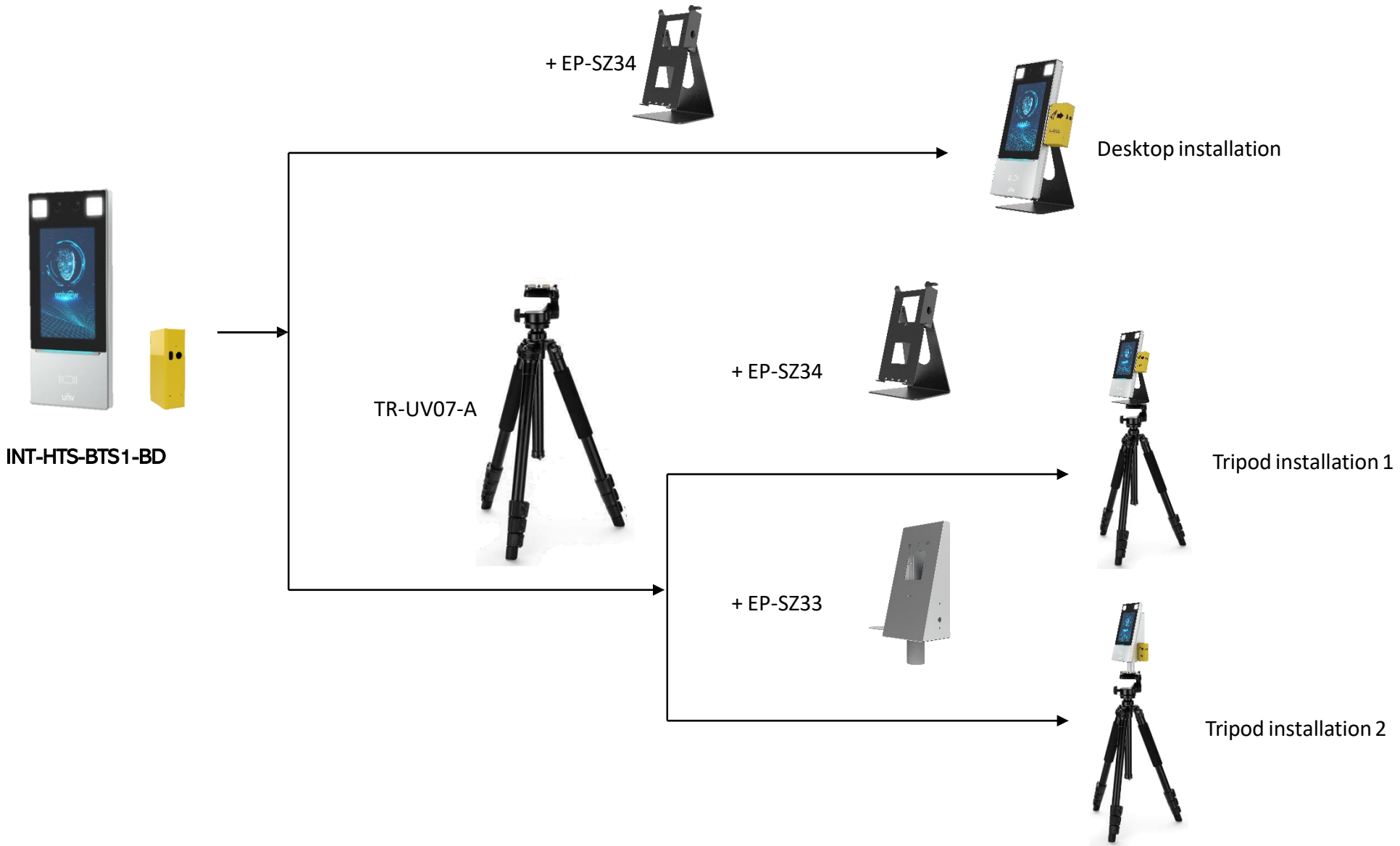
+EP-S31-W-NB

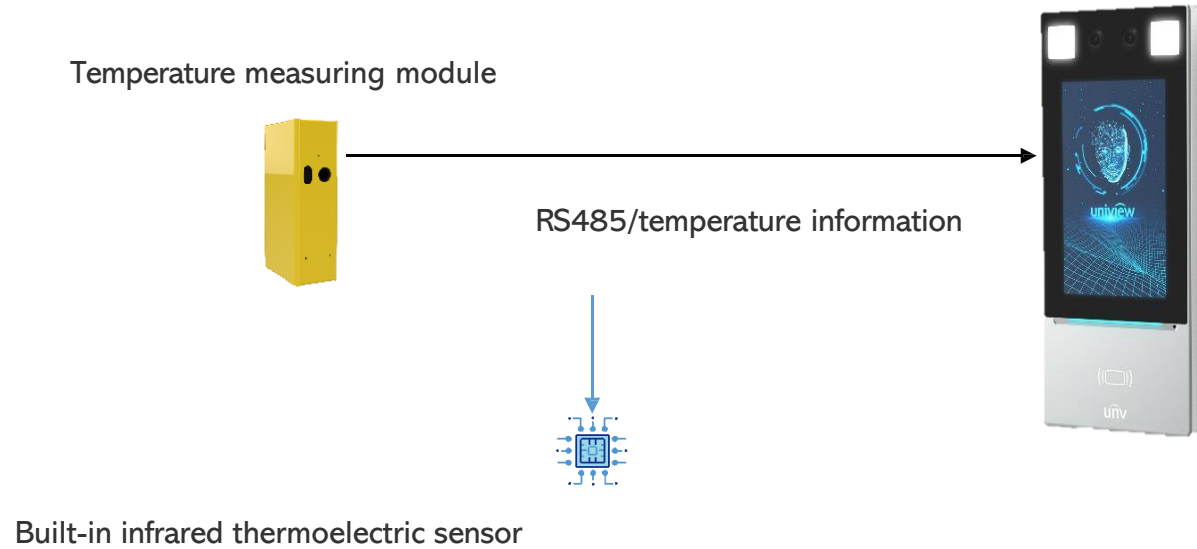


Wall-mounted installation, wall-mounted bracket is in package by default.







Floor-stand installation, height 1158mm-1420mm adjustable





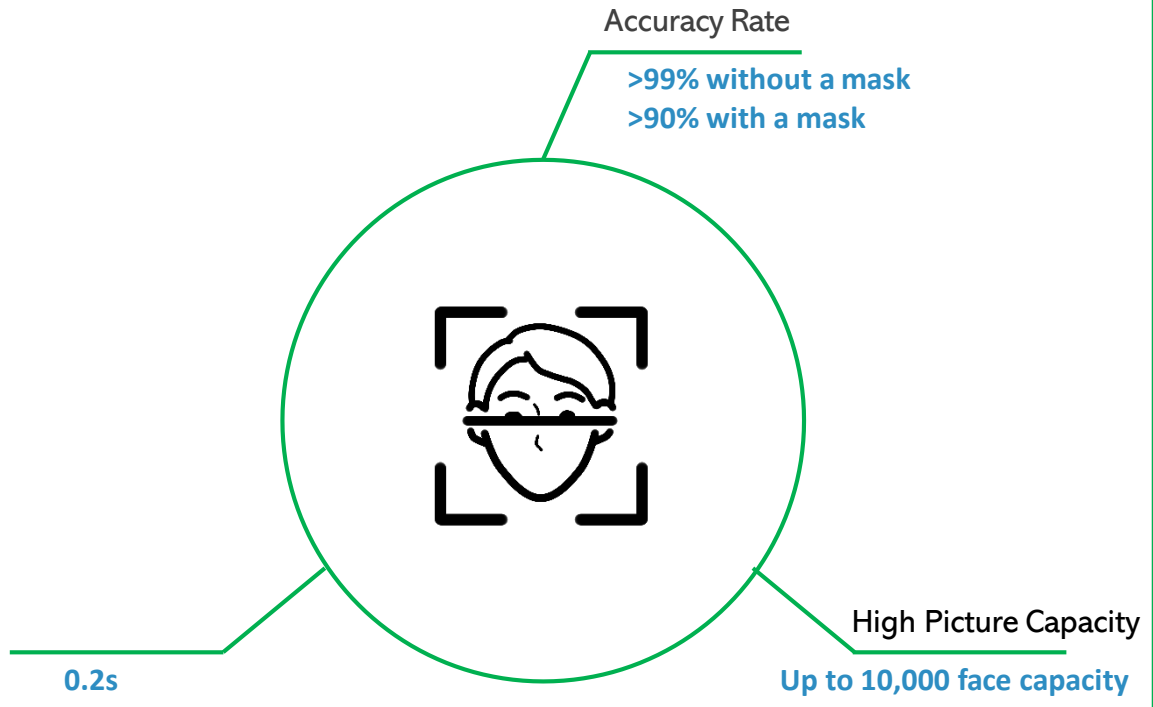
## Advantages:

-  Safety, no direct contact with the target.
-  Small size with high reliability.
-  Accurate measurement and support dynamic & static signals detection.
-  High efficiency, 20-30 people/min.

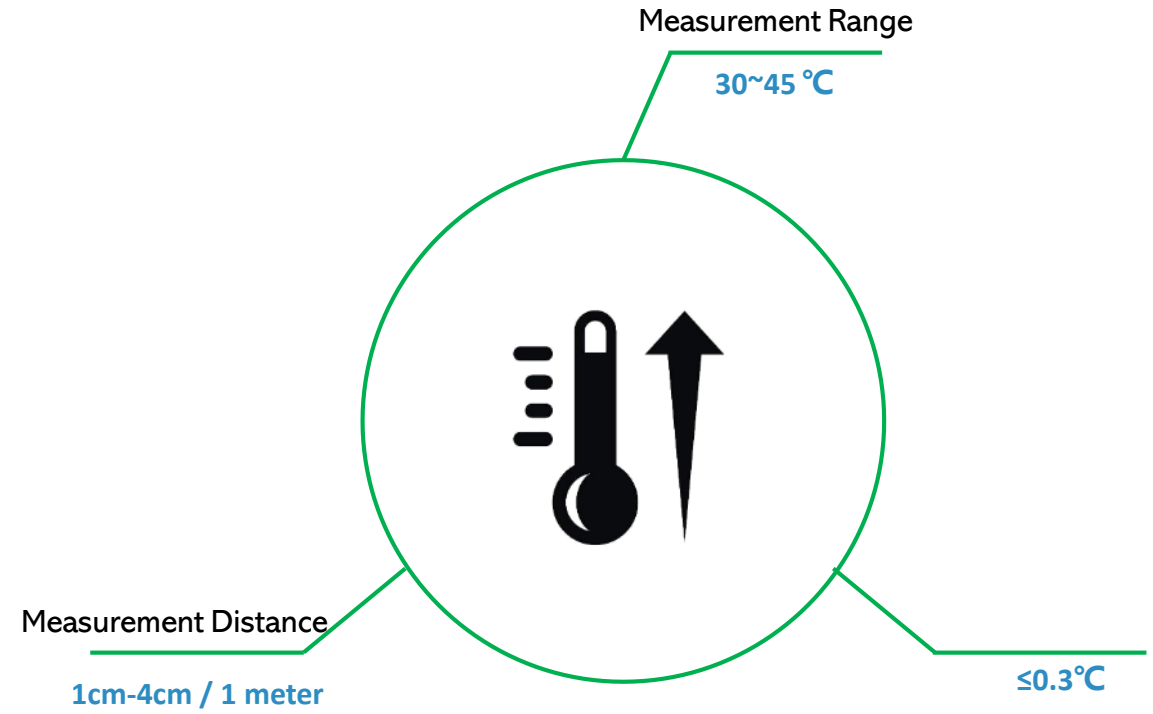
## Notes:

- ✓ Temperature range: 30°C-45°C
- ✓ Temperature accuracy: 0.1°C
- ✓ Temperature deviation: 0.3°C
- ✓ Measurement distance: 1 cm-4cm (Wrist)
- ✓ Measurement distance: 1 meter (Forehead)
- ✓ Application situation: Indoor(10°C-40°C), no wind

○ Face Recognition



○ Temperature Measurement





Normal temperature with mask



Abnormal temperature with mask

## Function

1. Real-time temperature detection and screen display.
2. High temperature **voice alarm**.
3. Snap photos and overlay temperature OSD information.
4. **Privacy mode: Only measure temperature, not capturing face image**



Normal temperature without a mask



Abnormal temperature without a mask

## Function

1. Support face recognition with mask.
2. UI can indicate whether he/she is wearing a mask or not.
3. **Voice alarm** for those who do not wear a mask.

# highlight feature – mask wearing detection

Model	INT-HTS-BTS1-BD
Appearance	
Standalone Solution	Recommended, only temperature measurement
Software Solution	I. Quick Solution II. VMS Solution

	Face Recognition	Temperature	Wearing Mask	Opening door or not	Voice*
Standalone Solution	Not enabled	Normal	Yes	Optional	Welcome!
			No		Please wear a mask.
		Abnormal	Yes		Abnormal temperature.
			No		Abnormal temperature.
	Enabled	Normal	Yes		Welcome!
			No		Please wear a mask.
		Abnormal	Yes		Abnormal temperature.
			No		Abnormal temperature.

\*Voice is optional and can be modified with web upgrade as customs requirement.

# 1 – quick solution



## Software functions

- Batch face image import, library management
- Face image collection, add information for personnel
- Records export with temperature

The screenshot displays the 'EZStation 3.0 Video Management Software' interface. The 'Device Management' tab is active, showing a list of managed devices and online devices.

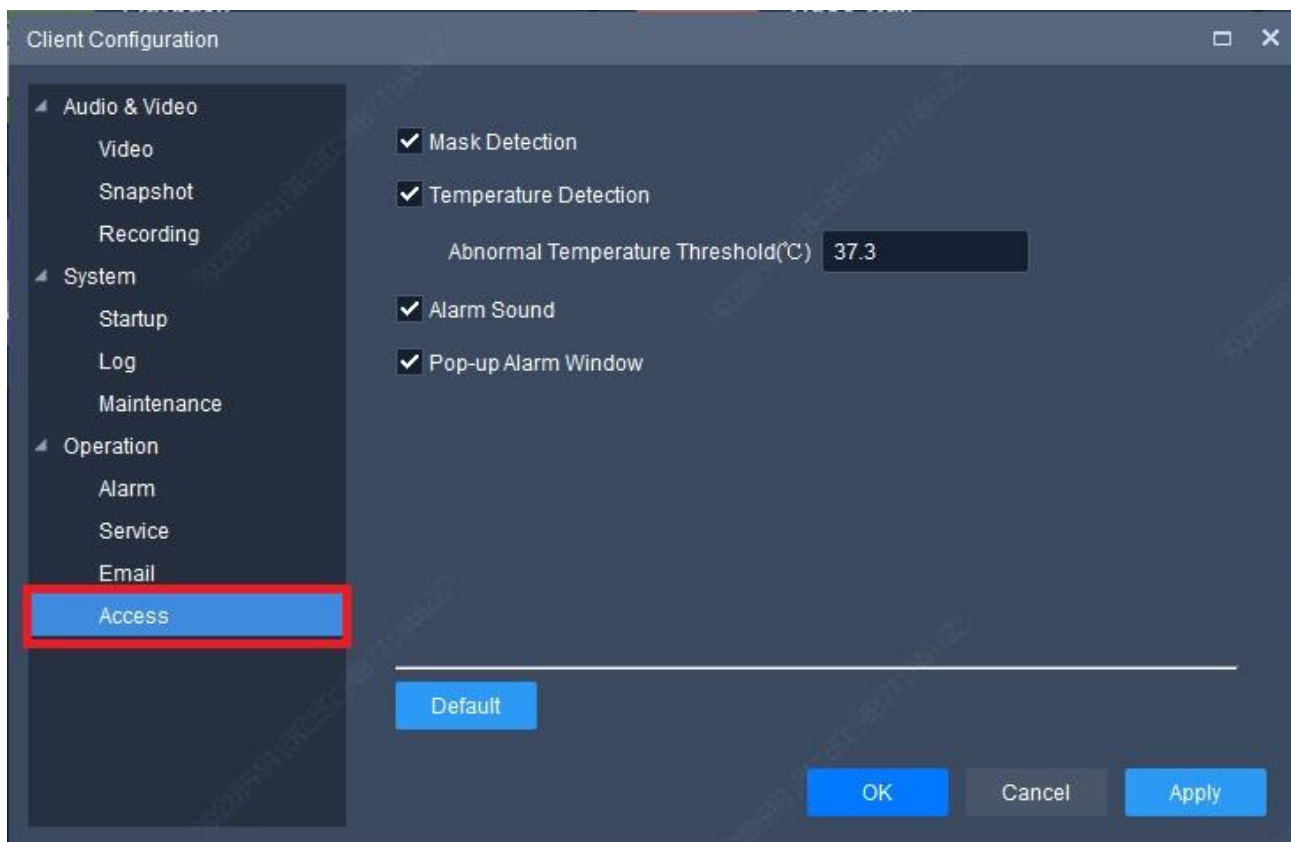
Name	IP Address	Status	Model	Version Info
D21_192.168.2.214	192.168.2.214	Online	D21	DFDM-1101.3.3_KZTW_EZDJ_0414
D21_192.168.2.213	192.168.2.213	Online	D21	DFDM-1101.3.3_KZTW_EZDJ_0414

IP Address	Model	Device Configurati	Serial No.	Version Info	Added
192.168.2.214	D21	7-W-G-50K	189802C05H719CV00100	DFDM-1101.3.3_KZTW_EZDJ_0414	Yes
192.168.2.213	D21	7-W-G-50K	189802C05H719CV00088	DFDM-1101.3.3_KZTW_EZDJ_0414	Yes

Model	Item
Device Configuration	Connect & manage access control devices (Filter devices, sync time, go to web interface)
Client configuration	Mask detection, abnormal temperature detection configuration
Access control	Face library management Add/delete/edit face library Add person info in batches or by importing file; delete/edit person info Import/export person information, download template Search person info by name or ID No.
	Realtime monitoring Live view, open door remotely, realtime pass-thru records
	Entry/exit records Search records by set condition, export records, view original snapshot
Remarks	Face image requirement 10KB~500KB; JPG format; within 1080P

## 【 Alarm Configuration 】

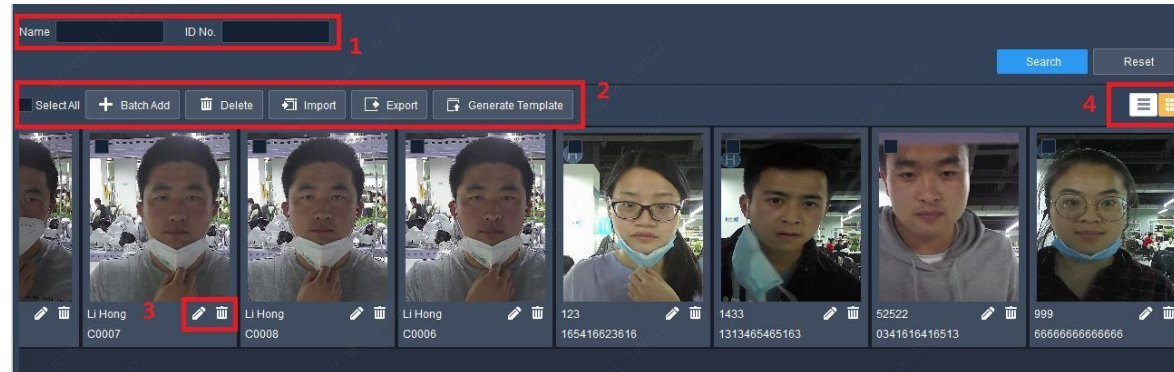
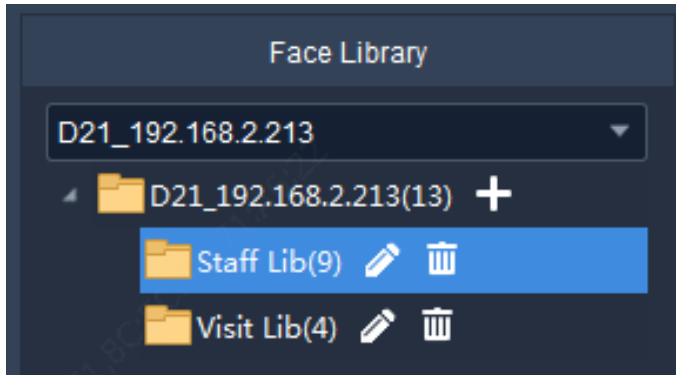


- Enable mask detection
- Enable temperature detection, set abnormal temperature threshold
- Enable alarm sound
- Enable pop-up alarm window. Pop-up window details :



Name, face library, mask status, temperature and time are displayed in real time

**【Face library management】** Up to 16 face libraries are supported for one access control device



## Face library

1. Select device
2. Click“+” to add face library
3. Support editing face library
4. Support deleting face library

## Person info

1. Search person by name, ID No.
2. Add person info in batches or by importing file; Import/export person information, download template
3. Edit/ delete person info
4. Person info display mode: List or Image
5. Person info includes: name, person ID, ID type, ID No., remarks

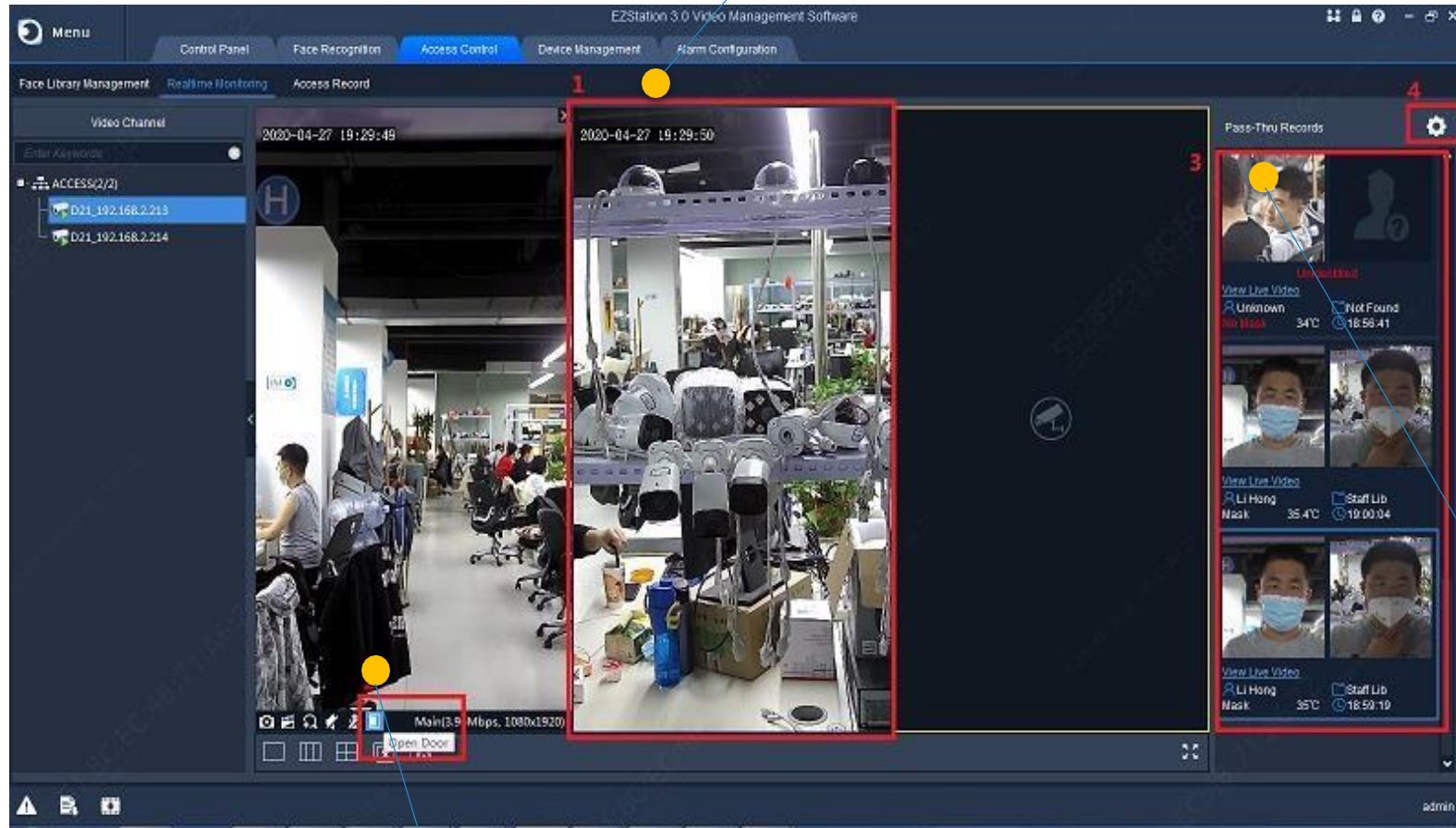
**1. Live view** Up to 4 simultaneous live videos

**4. Configurations**

Open client configuration window

**3. Entry/exit records**

- Double-click to view person info and original snapshot
- Add stranger to face library
- Up to 10 snapshots displayed
- Shows name, face library, mask status, temperature and time



**2. Open door**

Open door remotely

## 【Entry/exit records】

- Search pass-thru records of specified device by time, mask status, temperature range
- Add visitor to face library, view original snapshot
- Export records

The screenshot displays the 'Access Control' section of the EZStation 3.0 Video Management Software. The interface features a dark theme with a top navigation bar containing 'Menu', 'Control Panel', 'Face Recognition', 'Access Control', 'Device Management', and 'Alarm Configuration'. Below this, there are sub-tabs for 'Face Library Management', 'Realtime Monitoring', and 'Access Record'. The 'Access Record' tab is active, showing a search interface with the following details:

- Access Controller: D21\_192.168.2.213
- Time: 2020/04/27 00:00:00 to 2020/04/27 23:59:59
- Filters:  Status,  Mask,  No Mask,  Temperature(°C)
- Buttons: Search, Reset, Export

The main area contains a table with the following columns: Time, Name, Person ID, ID Type, ID No., Status, Temperature(°C), Device Name, Snapshot, Library Photo, and Operation. The table displays four records for the date 2020-04-27:

Time	Name	Person ID	ID Type	ID No.	Status	Temperature(°C)	Device Name	Snapshot	Library Photo	Operation
2020-04-27 20:17:48	Unknown	Unknown	ID Card	Unknown	Mask	36.4	D21_192.168.2.213			+
2020-04-27 20:18:43	Unknown	Unknown	ID Card	Unknown	Mask	36.3	D21_192.168.2.213			+
2020-04-27 20:19:55	999	00000000000000	ID Card		Mask	35.8	D21_192.168.2.213			
2020-04-27 20:19:57	999	00000000000000	ID Card		Mask	36.2	D21_192.168.2.213			

At the bottom of the interface, there is a pagination bar showing '133 - 144 Total 137', '12 Per Page', and navigation arrows. The user 'admin' is logged in.

# 2 – vms solution

SYSTEM Control Panel Door Access Control









Manual Control Visitor Management **Records Search** Visitor Config

Entry/Exit Records Attendance Statistics

Start and End Time: 2020/03/04 00:00:00 ~ 2020/03/04 23:59:59 [Last 7 days](#) [Last 30 days](#) [Last 90 days](#)

Temp (°C): 35.0 ~ 37.3 Door: Name:

Direction:    Type:

✓	Door	Direction	Name	Type	Entry/Exit Time	Phone No.	Department	Temp(°C)	Captured Photo	Registered Photo
<input type="checkbox"/>	206.9.10.25	Unknown	guyuehan	Visitor	2020/03/04 15:38:26			36.4		
<input type="checkbox"/>	206.9.10.25	Unknown	guyuehan	Visitor	2020/03/04 15:38:24			36.4		
<input type="checkbox"/>	206.9.10.25	Unknown	guyuehan	Visitor	2020/03/04 15:38:20			36.4		
<input type="checkbox"/>	206.9.10.25	Unknown	guyuehan	Visitor	2020/03/04 15:38:17			36.4		

1 - 20 Total 36 20 Per Page 1 /2

Current Server: 206.9.10.62

## 2 – vms solution – time attendance supported

The screenshot displays the EZVMS SYSTEM interface. The top navigation bar includes 'Control Panel' and 'Door Access Control'. The main content area is titled 'Attendance Statistics' and features a search interface with filters for 'Start and End Time' (2019/11/06 to 2019/11/13), 'Name', and 'Person ID'. A sidebar on the left allows for department selection, with 'VMS\_Test' selected. Below the search filters is an 'Export' button. The main area contains a table with the following data:

Date	Name	Person ID	Department	Door	First In	Last Out	Duration	In & Out Details
2019-11-12	胡晓华	39650	VMS_Test	192.168.13.205	2019-11-12 08:29:35	2019-11-12 16:54:28	08:24:53	

At the bottom of the interface, there is a pagination control showing '1 - 1 Total 1' and '20 Per Page'. The status bar at the very bottom indicates 'Current Server: 192.168.10.215'.

Time Attendance:  
First In and Last out

Restful API interface includes:

- a. Device info, database info, etc.
- b. Create database, delete database.
- c. Add people to database, delete people from database.
- d. Records real-time upload, including captured image.
- e. Temperature information and whether he/she is wearing a mask



**By automatic face recognition and temperature measurement process, this solution could be applied in various scenarios, such as school, enterprise, community, supermarket, shopping mall, construction sites and bank, etc.**

School



Enterprise



Community



Construction site

**thank you**