

Controllo Accessi

Misurazione della Temperatura Corporea







CONTROLLO ACCESSI – MISURAZIONE DELLA TEMEPRATURA CORPOREA

See Far, Go Further



Device Model	SAP Code	Description	Picture
DS-K1T671TM-3XF	302917210	 7-inch LCD touch screen,2 Mega pixel wide-angle lens Built-in Mifare card reading module; Max.50,000 faces capacity, Max.50,000 cards; Temperature range: 30-45°C, accuracy: ±0.5°C; Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out Face Recognition Duration(1:N) ≤0.2s Authentication Distance: 0.3m ~ 2m 	
DS-KAB671-B (Optional)	305700583	 The mounting pole for DS-K1T671TM-3XF Material : SPCC Weight : 6.7 kg (14.8 lb.) Dimension (W × H × D) : 98.5 mm × 1342 mm × 225 mm (3.9" × 52.8" × 8.9") 	ļ
DS-K5671-3XF/ZU	302917213	 7-inch LCD touch screen,2 Mega pixel wide-angle lens Max.50,000 faces capacity; Temperature range: 30-45°C, accuracy : ±0.5°C; Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out Face Recognition Duration(1:N) ≤0.2s Authentication Distance: 0.3m ~ 2m 	



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	DS-K1T671TM-3XF	DS-K5671-3XF/ZU
LCD screen	7 inch	7 inch
Face capacity	50,000	50,000
Card capacity	50,000 M1 cards	N/A
Thermal imaging resolution	120 x 160	120 x 160
Temperature range and accuracy	30-45°C (±0.5 °C)	30-45°C (±0.5 °C)
Authentication Distance	0.3-2m	0.3-2m
Mask detection	Support	Support
Fast temperature measurement	Support	Support
Deployment	Wall mounting/ floor standing with mounting pole	Face recognition module for barriers

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Fever screening face recognition terminal

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Fever screening face recognition module for barriers

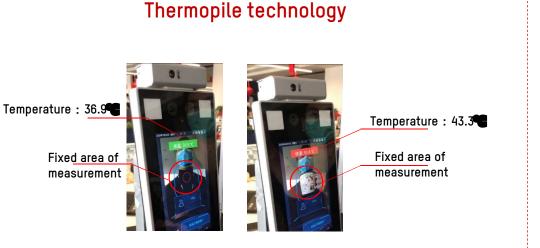
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Comparison between thermal imaging and thermopile technology

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3-rd party thermopile solution

Summary :

Measuring the maximum temperature value in a fixed small area. After face authentication, the maximum temperature value of the fixed area is obtained for display.

Since the thermopile itself cannot detect faces, it cannot ensure that face temperature is measured, or whether it is the authenticated person.





Hikvision thermal imaging

Summary :

Generating hot try by measuring the temperature of all the objects in the measuring scale, detecting faces by AI algorithm, and extracting the temperature of forehead.

The thermal module matches the forehead temperature and face to ensure the authenticity and validity of temperature measurement.



Comparison between thermal imaging and thermopile technology

Туре	Thermopile	Thermal imaging	Comments	
Resolution	32X32	120X160		
Measurement distance	0.3m~0.5m	0.3m~2m(depends on focus of device)		
Measurement scale	Small, fixed area of the screen	Large scale, any area within the screen		
Adaptability	Asking for high adaptability of personnel	No need deliberate cooperating, except for entering the screen	Thermopile:	
Efficiency	5 s/person	l s/person	 Limited measurement scale, Low accuracy and efficiency of fever screen. Thermal imaging : Bigger measurement scale, Al algorithm for face detection, High accuracy and efficiency of fever screen. 	
Measurement and face matching	Temperature measurement can not be matched accurately, authenticity and validity of temperature measurement are limited.	Face detection and face forehead temperature accurately match, "one face, one temperature", temperature measurement data is true and effective.		
Measurement error	Temperature measurement area is limited, the measurement subject can not be guaranteed, the temperature will be any part of the person or other objects within the screen.	Face detection tracking, guaranteed that the measurement is the temperature of the person's forehead, and the true body temperature is similar.		
Labor cost	The temperature measurement process requires the management personnel to participate in the whole guide, the labor cost is high.	Temperature measurement process requires little involvement of managers, and labor cost is low.		

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