

HIKVISION

Controllo Accessi

Misurazione della Temperatura Corporea



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See Far, Go Further



CONTROLLO ACCESSI – MISURAZIONE DELLA TEMPERATURA CORPOREA



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Device Model	SAP Code	Description	Picture
DS-K1T671TM-3XF	302917210	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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") 	
DS-K5671-3XF/ZU	302917213	<ul style="list-style-type: none"> • 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 	



	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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Flexible deployment

Supporting wall mounting
and floor standing with mounting pole.



Enhanced verification performance

Face recognition verification duration
less than 0.2s.
Supporting face anti-spoofing.



Mask detection

Supporting face mask wearing alert and forced mask wearing alert.



Various verification methods

Supporting fast temperature measurement and
face/card recognition with fever screening.



DS-K1T671TM-3XF



Long term fever screen

Authentication distance: 0.3-2 m.



Dedicated for fever screening

Temperature range: 30°C to 45°C,
Temperature accuracy: ±0.5 °C.

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Fever screening face recognition module for barriers

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Easy to deployment

Fever screening face recognition module for barriers.



Various verification methods

Supporting fast temperature measurement and face recognition with fever screening.



DS-K5671-3XF/ZU



Long term fever screen

Authentication distance: 0.3-2 m.

Enhanced verification performance

Face recognition verification duration less than 0.2s.
Supporting face anti-spoofing.



Mask detection

Supporting face mask wearing alert and forced mask wearing alert.



Dedicated for fever screening

Temperature range: 30°C to 45°C,
Temperature accuracy: ±0.5 °C.



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Comparison between thermal imaging and thermopile technology

Thermopile technology



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.

★ Thermal imaging technology



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

Type	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	
Efficiency	5 s/person	1 s/person	
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.	<p>Thermopile:</p> <ul style="list-style-type: none"> Limited measurement scale, Low accuracy and efficiency of fever screen. <p>Thermal imaging : </p> <ul style="list-style-type: none"> Bigger measurement scale, AI algorithm for face detection, High accuracy and efficiency of fever screen.
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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