

DS08

Facial Recognition and Payment Terminal

DS08 is a payment terminal device that integrates facial recognition, fingerprint recognition, palm print recognition and swipe card recognition.



Fingerprint recognition



Facial recognition



Palm Vein



QR Code Scan



Android 11



Swipe recognition



Multiple ways to meet different scenarios





HF-DS08 Facial recognition and payment terminals

Specification

Operating System	Android 11
Display	8 " Full view angle IPS LCD touch screen
Screen Resolution	1280*800 HD display
Dimension	22CM*16CM*35CM
Weight	1806G
RFID Card	Support ISO14443A/B
Operating Temperature	'-10 ~ 60
Working Humidity	10% to 90%
Power Supply	DC12V(±10%)
Power Consumption	10W MAX
Installation Method	Desktop

Hardware

CPU	Quad core, 1.8GHz
RAM	2GB
ROM	64GB
Filling Light	LED filling light
Communication	Support Wi-Fi, Bluetooth

Face Recognition Camera

Dual Camera	2.0MP RGB camera; 1.3MP Infrared camera
Camera Type	Wide dynamic camera

Face recognition camera

Aperture	4mm
Focal length	0-2m
White balance	Automatic
Wide dynamic	Automatic

Face recognition function

Facial data Capacity	50,000 face data
1:N Face recognition	99.99%
1:1 Face recognition	99.99%
Strangerdetection	Support
Recognizedistance	Support (0.5m~4m)

Fingerprint scanner

Sensor type	Optical
Image resolution	500dpi
Active platen area	15.24mm x 20.32mm
FAP (fingerprint acquisition profile)	FAP20
Maximum acquisition time (Placement to Template)	<3s
Fingerprint Standard	ISO19794-2
Certification	CE, FBI
Grey scale	8 bit, 256 levels
Live finger detection	Yes



Palm vein

Camera	RGB/IR
Palm capacity	20.000
Palm working distance	5~15cm
Verification Time	< 1s
ESD level	Contact discharge±4KV,air discharge ±8KV
Support International standards	ISO/IEC1919-4-6,ISO/IEC24745, ISO/IEC30107-3,ISO/IEC29794
Palm Recognition success Rat	99%
Algorithm deployment Method	Support for local and Cloud Deployment
Cloud Library capacity	Support half a million,1/2/..5 million, depends on server capacity
Image processing	High performance ISP inside/Palm AE inside
Security	Palm vein feature encryption

Barcode reader

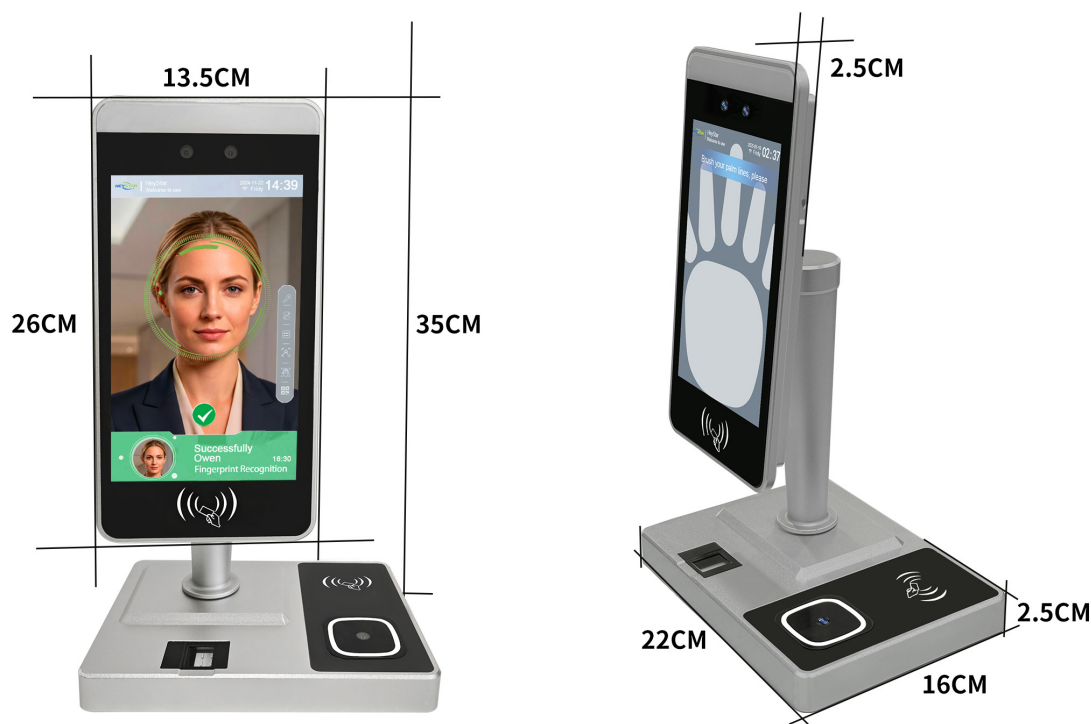
Image sensor	640*480 CMOS sensor
Code system	1D, 2D ; PDF417

Interface

HDMI(Reserve)	*1
USB2.0	*2
RJ45	*1
RS232	*1

Interface

Earphone	*1
Type C	*1
DC 12	*1



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