

VERO 5 SERIES

NX-V543-FW

4.3" Dynamic Face Recognition Terminal

Your Security. Your Control. Your Future.


99.70%

RECOGNITION
ACCURACY

< 0.2s

RECOGNITION
SPEED

0.5–2.5m

RECOGNITION
DISTANCE

5

FACES AT
ONCE

01 OVERVIEW

The **NX-V543-FW** is a 4.3-inch AI dynamic face recognition terminal for access control and time attendance. A 0.6T NPU paired with dual 2MP colour and infrared WDR cameras recognises moving faces in under 0.2 seconds at 0.5–2.5 metres with 99.70% accuracy — through masks, glasses, strong light, and darkness. Infrared live detection rejects photo and video spoofing, while face, card, QR, and password verification combine with a complete access-control interface to deliver a single-device entry solution.

02 KEY FEATURES

01 AI Dynamic Recognition

A 0.6T NPU with dual 2MP WDR cameras identifies up to 5 moving faces at once in under 0.2 seconds.

02 Live Anti-Spoofing

Infrared live detection rejects printed photos, screens, and video replay attacks outright.

03 Mask & Light Tolerant

Recognises faces with masks or glasses, and holds accuracy in strong light, backlight, and darkness.

04 Multi-Mode Verification

Face, RFID card, QR code, and password — used alone or combined for layered entry security.

05 Full Access-Control I/O

Relay, alarm, fire input, door sensor, Wiegand 26/34, exit button, bell, and anti-pass back.

06 Flexible Deployment

TCP/IP, Wi-Fi, and USB U-disk sync with 11 on-board languages and custom branding options.

03 APPLICATIONS

Corporate Offices

Factories & Warehouses

Banks & Institutions

Hospitals & Clinics

Educational Campuses

Turnstiles & Gates

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04 TECHNICAL SPECIFICATIONS

HARDWARE & PROCESSING

Processor	1.2GHz Dual-Core ARM Cortex-A7
NPU	600G (0.6T)
Memory	256MB DDR3L
Storage	4GB eMMC
Operating System	Linux 3.0
Display	4.3" Touch Screen, 272 × 480

CAMERA & RECOGNITION

Colour Camera	1/2.9" 2MP WDR, FOV 75°
Infrared Camera	1/5" 2MP Live, FOV 75°
Fill Light	LED + Dual IR (auto ambient)
Recognition Speed	< 0.2 s
Recognition Distance	0.5 – 2.5 m (adjustable)
Recognition Accuracy	99.70%
Multi-Person	Up to 5 simultaneously
Live Detection	Rejects photo & video
Mask Detection	Supported
Working Environment	Normal / strong / dark / backlight

VERIFICATION & CAPACITY

Verify Method	Face / Card / Password / Combination
Card Type	ID card (IC optional)
QR Code Scanner	Supported (via camera)
Face / Card / Password	5,000 (50,000 optional)
Fingerprint Capacity	10,000
Log Capacity	500,000

ACCESS CONTROL INTERFACE

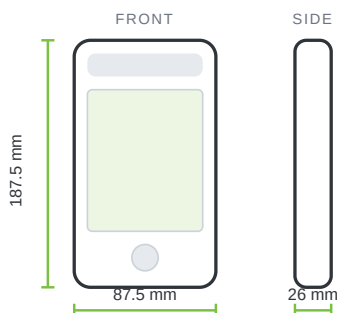
Relay Output	1 set
Alarm Output	1 set
Fire Input	1 set
Wiegand	1 set, WG26/34 In-Out
Door Sensor	Supported
Exit Button	Supported
Door Bell	Supported
Anti-Pass Back	Supported

CONNECTIVITY, POWER & PHYSICAL

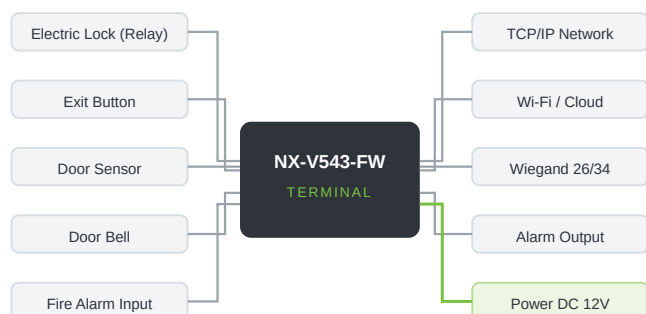
Communication	TCP/IP, Wi-Fi, USB Type-A (U-disk)
Power Supply	DC 12V, 1A / 2A
Dimensions	187.5 × 87.5 × 26 mm
Operating Temp.	0°C ~ 45°C
Language	11 languages, customizable
Warranty	12 Months

05 DIMENSIONS & WIRING INTERFACE

PRODUCT DIMENSIONS



INTERFACE CONNECTIONS



06 CERTIFICATIONS

COMPLIANCE

CE
FCC
RoHS
Specifications subject to change without notice.

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