



VN-KUE-F930T

Walk-through Metal Detector



System Overview

The Walk-through Metal Detector integrates metal detection, video surveillance and storage. It features metal detection, personnel detection and comparison, video surveillance, data report generating from alarm data statistical analysis, face video playback and other functions, which facilitates higher integration, less site construction and lower costs.

Functions

Adjustable Sensitivity

The sensitivity of each detection area can be manually adjusted to achieve different sensitivity requirements at different positions.

Face Database

Supports the storage of 300,000 faces.

Allowlist

Supports the detection exclusion for people in the allowlist.

Alarm Prompt

Its sound and light alarms offer the clearest prompt. And the adjustable alarm duration meets the needs of different users.

Query Function

Real-time information query of the passing people.

Password Protection

Multi-digit password protection.

Self-test System

POST (power on self-test) function.

Network Interconnection

Through the network, the parameters of the detector can be configured, and the pass number, alarm number and personnel information can be exported.

Features:

- Supports 18 kinds of selectable alarm tones, independent tone for temperature alarm
- Built-in traffic lights
- Up to 33 detection zones with corresponding indicators
- Support searching pass statistics by hour/day
- Supports People Counting: Counting passing number, pass/return numbers
- Pass/Return statistics, alarm statistics, and searching by hour/day
- Supports switching of multiple start-stop modes for two-pair of IR sensor
- Alarm Interfaces: 2 x input, and 2 x output
- With 1 x 29-inch LCD screen and 1 x 10-inch full color touch screen LCD display
- With FR camera
- Up to 30,000 personnel database achieves quick personnel comparison and alarm
- Local mouse operation, network web client, and managed by platform. Easy to operate
- Blocklist personnel alarm

Technical Specifications

System

Display	1x29-inch LCD screen and 1x10-inch touch screen
Operating Interface	WEB, local GUI operation

Metal Detection

Sensitivity	0–9,999 levels adjustable
Frequency	5–12 kHz
Minimum Detection Target	Half paperclip-sized metal objects
Zone	6/12/18 adjustable zones
Alarm Sound	9 alarm sounds selectable
Alarm Volume	0–8, 9 levels adjustable

Camera

Image Sensor	1/1.8" CMOS
Max. Resolution	2,688 (H) × 1,520 (V)
Pixel	4 MP
Focal Length	3.6 mm
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s

Personnel Intelligence

Intelligent Playback (Face Detection)	1. Query conditions: Search pictures by pass channel, time and personnel attributes. 2. Function: Supports the query results to associate playback of 10-second videos before and after the event, and supports export of search results to excel, videos, and pictures. 3. Historical library capacity: 10 million.
Personnel Database Management	1. Import method: single/batch import of the personnel pictures through the browser, the single import speed is 10 pic/sec. 2. Input personnel information: name, gender, birthday, province, city, certificate type, and certificate number. 3. Database capacity: Up to 10 personnel databases with 300,000 pictures can be created, and the total capacity is 50 G. 4. Image requirements: jpg format, maximum 4M for a single image, pixel 100 × 100–6,000 × 5,000.
Personnel Comparison	Supports deployment of multiple personnel databases, alarm prompts, video linkage, capture, IPC external alarm output, voice prompt, buzzer, log and mail. Performance: The AI by device function supports 1-channel personnel comparison (1080p video stream).

Recording Management

Recording Method	Auto recording; manual recording; alarm recording; scheduled recording
Video Playback	4-channel
Backup	Instant playback; conventional playback; event playback; label playback; Intelligent playback (personnel, dynamic detection)
Video Compression	Smart H.265; H.265; Smart H.264; H.264

Alarm

Anomaly Alarm	Supports the alarms for IPC disconnection, storage error, full storage, IP conflict, MAC conflict and login lock.
Intelligent Alarm	Supports personnel detection, personnel comparison and IVS (tripwire and area intrusion).
Alarm Linkage	Video, capture, IPC external alarm output, voice prompt, buzzer, log record, preset point and mail.

Network

Protocol	HTTP; HTTPS; TCP/IP; Ipv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P; Ipv6
Interoperability	ONVIF (Profile S&G); GB/T 28181; CGI; SDK
Browser	IE 11, Google (Configuration only)

Port

HDD Port	2*SATA ports
RS-485 Port	1
USB Port	4*USB 3.0 (1 for program upgrade of the device, 1 for connecting mouse to control system settings, 1 for program upgrade of information release, 1 for connection mouse to control information release function.)
Network Port	1*RJ-45 ports per panel
Alarm In	2 x input
Alarm Out	2 x output
Voice Output Port	1
POE Port	4

General

Power Supply	100–220VAC, 50-60Hz
Power Consumption	Active Power 60W
Net Weight	Less than 45kg
Type	Metal Detection
Tunnel Dimensions	2257mm × 854mm × 579mm
Operating Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating Humidity	0%–95% RH
Installation	Floor mounted

Dimensions (mm[inch])

