



IE9281-FM

- Content Management System
- A Maximum of 256 Devices Support
- Highly Secure
- Rich Infographic Reports





Technical Specifications

Product Information

Model	IE9281-FM
Hardware	Intel CPU: Intel Core i7 (8th Generation) or higher, Memory: 32GB or above, HDD: 500GB or above
OS	Linux
Maximum Number of Faces in Database	50,000
Network	10/100/1000 Mb Network
Maximum Number of Devices Connecting	Up to: 256
Power Input	100-240V AC
Power Consumption	Max. 90W
Dimensions	250 x 44.2 x 225 mm
Weight	4 KG
Safety Certifications	CE, FCC, VCCI

System

Architecture	Three Tier Server-client system: <ul style="list-style-type: none">· Web Server· Application Server· Database Server
Supported OS	Ubuntu Server 20.04
Supported Protocols	HTTP & HTTPS
Supported Hypervisors	VMWare, Hyper-V, Virtual Box
Container Type	Docker
Database Type	MongoDB
System Security	<ul style="list-style-type: none">· Single device login· Renewable session token· Hardened HTTPS

Management Interface

Interface	Using Web client
Supported Browsers	<ul style="list-style-type: none">· Google Chrome· Mozilla Firefox
Languages	<ul style="list-style-type: none">· English· Traditional Chinese

Environment Adaptability

Camera Installation Height	<ul style="list-style-type: none">· 3.0 meters max. camera height· Mounting position within 10 degrees incline
Supported Image Modes	Color & Monochrome
Robust Against	<ul style="list-style-type: none">· Large expressions· Beards, moustaches and different hairstyles· Eyeglasses· Caps and scarfs· Irregular lighting· Partial face obstruction

Supported Devices & Integrations

I/O Relay	Moxa E1214 <ul style="list-style-type: none">· Advantech ADAM 60XX· VIVOTEK AO-20W I/O Device
IP-to-Wiegand Converter	<ul style="list-style-type: none">· Doorcard DCT-4TW26· VIVOTEK AO-20W Wiegand Box
HTTP Notifications	Send customized GET/POST HTTP messages
Others	<ul style="list-style-type: none">· Use VAST Face RESTful API

Persons of Interest (POI) Management

POI Management	<ul style="list-style-type: none">· Enroll person using Web client· Manage face profiles database through Web Portal
POI Authentication	<ul style="list-style-type: none">· Using Face as a credential· Using Card Number



POI Groups	<ul style="list-style-type: none"> · Default groups: VIP, Blacklist, Staff · User defined person groups
POI Batch Enrollment	Supports bulk enrollment using Excel & JPEG files
Enrollment Photo	<ul style="list-style-type: none"> · Min. face size = 200 x 200 pixel
Requirements	<ul style="list-style-type: none"> · 1MB Max. photo size (.JPG or .PNG)
POI Profile Information	<ul style="list-style-type: none"> · Name, ID #, card #, job position, email, phone, POI group(s), and expiration date

POI Reports

Investigation Reports	<p>Generate facial recognition reports and filter events by:</p> <ul style="list-style-type: none"> · Location · Time period · Name · POI Group · POI type (enrolled or stranger)
Attendance Reports	<p>Generate staff clocking reports and filter events by:</p> <ul style="list-style-type: none"> · Clock-in time · Clock-out time · Stay length · Late Arrival · Early Leave
Actions Reports	Generate a report for which pre-defined actions were triggered in response to an event.
Export Data	Export results to Excel file

Trigger Rules and System Actions

Rule Engine	<p>Rule based engine to trigger single or multiple system actions based on:</p> <ul style="list-style-type: none"> · Event Location · Schedule · Detection time period · Specific POI profile · POI face group affiliation · Person type (enrolled or stranger) · POI is (not) a member of a group
Supported System Actions	<ul style="list-style-type: none"> · Trigger I/O Relay · Trigger IP-to-Wiegand converter · Send HTTP GET/POST command · WebSocket notification

System Users Management

System Users	Register user accounts using Name, E-Mail address & Phone number
System User Groups	<ul style="list-style-type: none"> · System Administrator · Administrator · VAST Face Manager

System Inter-Compatibility

Supported Products	<ul style="list-style-type: none"> · VIVOTEK VAST2 VMS/ CMS · VIVOTEK VAST Face CMS · VIVOTEK VAST FaceVisitor
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Facial Recognition Verticals

Possible Applications	<ul style="list-style-type: none"> · Identify potential troublemakers (shoplifters, criminals or any other barred individuals) · Detect VIP members upon arrival to deliver a tailored experience · Provide physical entry to commercial buildings, residences, and other rooms · Contactless staff clock in system · Verify visitor's identity
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