IE9281-FM

Facial Recognition CMS

Technical Specifications

Product Information

Model	IE9281-FM
Hardware	Intel CPU: i7-(8th Generation) : DDR4 32GB RAM, HDD: 2.5" 500GB SSD
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: · 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	· Single device login · Renewable session token · Hardened HTTPS

Management Interface
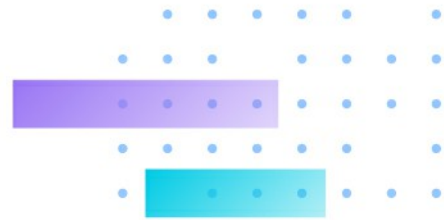
Interface	Using Web client
Supported Browsers	· Google Chrome · Mozilla Firefox
Languages	· English · Japanese · Traditional Chinese

Environment Adaptability

Camera Installation Height	· 3.0 meters max. camera height · Mounting position within 15 degrees incline
Supported Image Modes	Color & Monochrome

Supported Devices & Integrations

I/O Relay	Moxa E1214 · Advantech ADAM 60XX · VIVOTEK AO-20W I/O Device
IP-to-Wiegand Converter	· VIVOTEK AO-20W Wiegand Box
HTTP Notifications	Send customized GET/POST HTTP messages
Others	· Use VAST Face RESTful API

Persons of Interest (POI) Management

POI Management	· Enroll person using Web client · Manage face profiles database through Web Portal
POI Authentication	· Using Face as a credential · Using Card Number
POI Groups	· Default groups: VIP, Blacklist, Staff · User defined person groups
POI Batch Enrollment	Supports bulk enrollment using Excel & JPEG files
Enrollment Photo	· Min. face size = 200 x 200 pixel
Requirements	· 1MB Max. photo size (.JPG or .PNG)
POI Profile Information	· Name, ID #, card #, job position, email, phone, POI group(s), and expiration date

POI Reports

Investigation Reports	Generate facial recognition reports and filter events by: · Location · Time period · Name · POI Group · POI type (enrolled or stranger)
Attendance Reports	Generate staff clocking reports and filter events by: · 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	Rule based engine to trigger single or multiple system actions based on: · 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	· 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	· System Administrator · Super User · Person Manager · Report Viewer · Welcome Page

System Inter-Compatibility

Supported Products	· VIVOTEK VAST2 VMS/ CMS · VIVOTEK VAST Face CMS · VIVOTEK VAST FaceVisitor

Facial Recognition Verticals

Possible Applications	· 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