



IE9281-FM

Facial Recognition CMS



Technical Specifications

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	9.84 inches (24.99 cm) × 1.74 inch (4.42 cm) × 8.86 inch (22.5 cm)
Weight	8.77 lb (3.98 kg)
Safety Certifications	CE, FCC, VCCI
Support Device	FD9387-FR-V2&V3, FT9361-R, IE9232-F
Push Notification	Line, What'APP, Jason, E-Mail
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 Traditional Chinese
Environment Adaptability	
Camera Installation Height	3.0 meters max. camera height Mounting position within 10 degrees incline
Supported Image Modes	Color & Monochrome
Robust Against	Large expressions Beards, moustaches and different hairstyles Eyeglasses Caps and scarfs Irregular lighting Partial face obstruction
Supported Devices & Integrations	
I/O Relay	Moxa E1214 Advantech ADAM 60XX VIVOTEK AO-20W I/O Device
IP-to-Wiegand Converter	· Door card DCT-4TW26 · VIVOTEK AO-20W Wiegand Box
HTTP Notifications	Send customized GET/POST HTTP messages
Others	· Us 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. fac size = 200 × 200 pixels
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 an 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 Administrator VAST Face Manager
System Inter-Compatibility	
Supported Products	VIVOTEK VAST2 VMS/ CMS VIVOTEK VAST FaceManager 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

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