FD9387-FR

QUICK INSTALLATION GUIDE

Version 1.1
2023/05/16
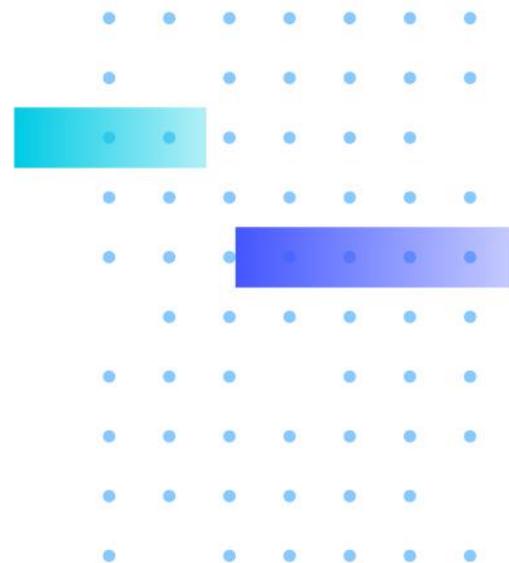
Revision History

Version	Comment
V1.0	Initial draft
V1.1	Add camera install recommendation

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1. Accessing Facial Recognition Package

Login FD9387-FR-v2's UI: **Configuration → Application → Package Management**

- Package status and version will be displayed at the section "Package list". Please confirm status is "ON".

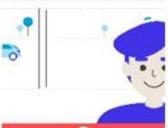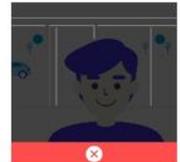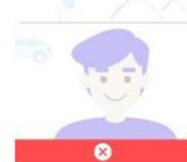- Click on "Facial Recognition" in the package name to enter Facial Recognition's User Interface.
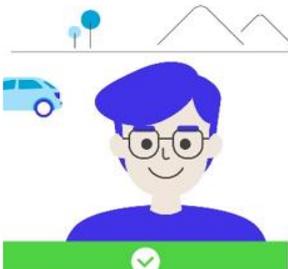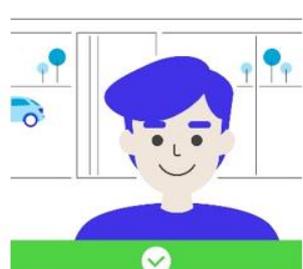
1. Camera Install and Image Recommendation

A.   Camera are installed in front of a corridor, so Camera can take snapshots of full-frontal faces.

Camera can detect faces that deviate 15 degrees upward or downward or 30 degrees leftward or rightward.

B.   **The recommended installation height ranges from 1.7 to 3 M.**

C.   **The recommended camera depression angle (α) is 15 degrees.**

D.   The distance varies depending on the lens focal length. You need to ensure that the focus of the camera lens is at the entrance or exists of a corridor

E.   The PPM camera video at least 400 pixels.(With 720P Video Resolution)

1.1 Image requirement

2. Facial Recognition Page

Zoom and Focus

Focus and Zoom level in FD9387-FR-v2 can be quickly accessed in this configuration page. Please adjust Zoom level to the desired position and perform auto focus by clicking on the "Perform Auto Focus" button.
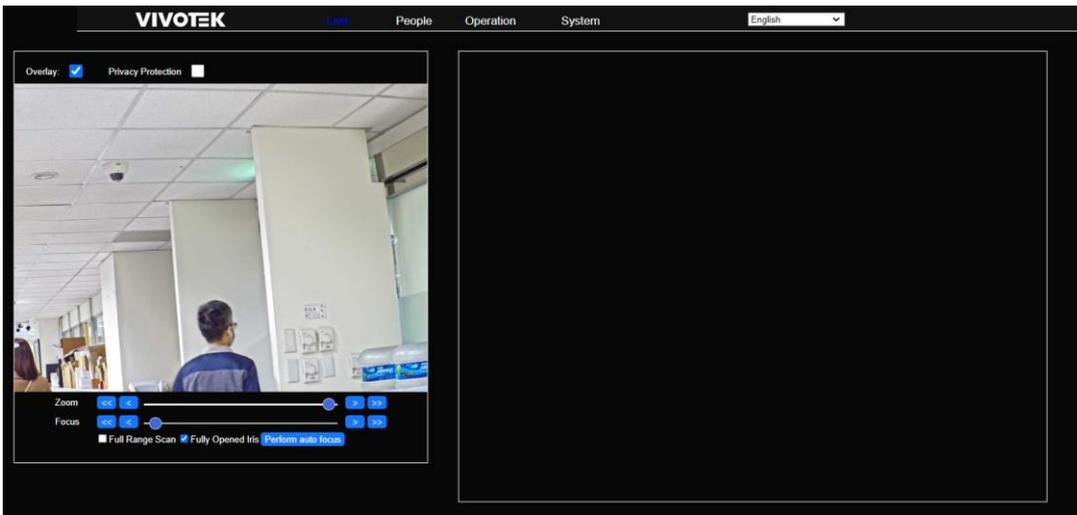
Tool Bar in Live View

Overlay Option: Enable or disable face tracking box and name display.
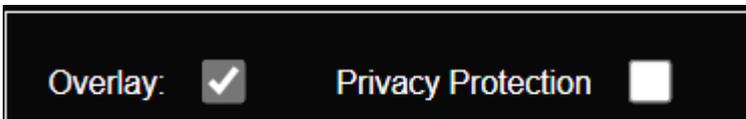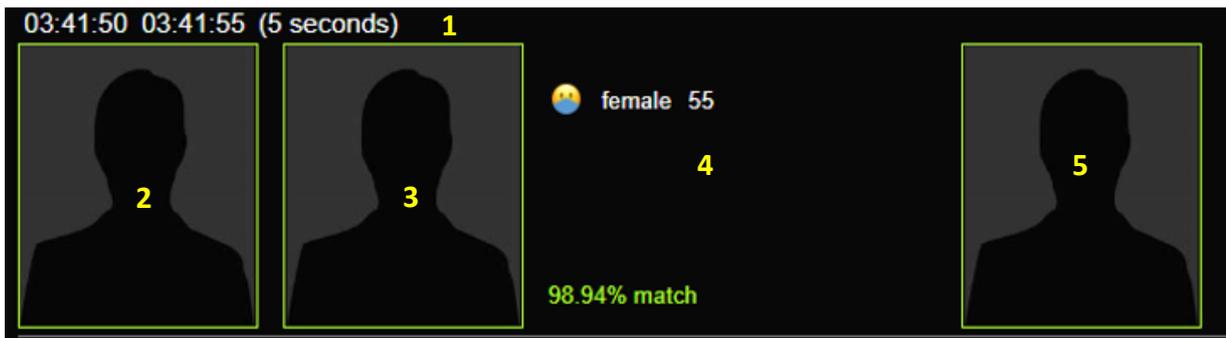**Privacy Protection:** Enable or disable personal picture display Facial Recognition Log.

Facial Recognition Logs

Recognition results (Facial Recognition Events) will be updated in the right-side column.

(1) Face capture time (in and out) and duration.

(2) Face snapshot from live view.

(3) Face snapshot from person database

(4) Personal information from database and age / gender data.

(5) Full image snapshot from live view

Recognition Result Color Frame Table:

Frame Color	Meaning
Purple	Stranger
Green	No Concern
Yellow	Concern
Red	Threat
Gray	Unrecognized

3. People page

- User can add/delete, search, and review person profile in the database.

Person Profile Information
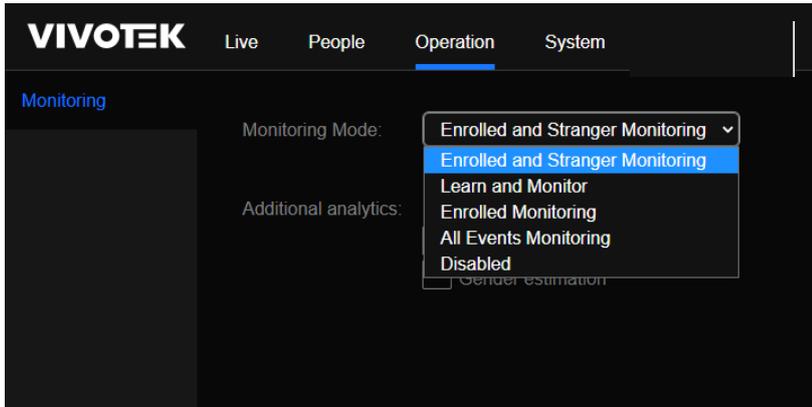

*ID Class will be sent out together with the event to 3rd party platform through ONVIF protocol.

** Please remember to click in the "Save Changes" button after editing.

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4. Operation

- FD9387-FR-v2 can support 5 different facial recognition modes.

Enrolled and Stranger Monitoring

Facial recognition events will be shown for enrolled (recognized) and strangers **only**. It will not show low quality faces (unrecognizable due to very small size, blurry, low contrast or bad angle).

Learn and Monitor

Besides the results from Enrolled and Stranger Monitoring, it will also learn and automatically enrolls high quality faces it does not recognize. Faces are enrolled without name.

Enrolled Monitoring

Enrolled Monitoring mode show facial recognition events only for enrolled (recognized) faces.

All Events Monitoring

Show all facial recognition events, which include events for low quality faces. Unrecognized low quality face events will contain idClass=="unidentified". Unrecognized good quality face events will contain idClass=="stranger"

Disabled

Stop all facial recognition functionality.

Additional Analytics:
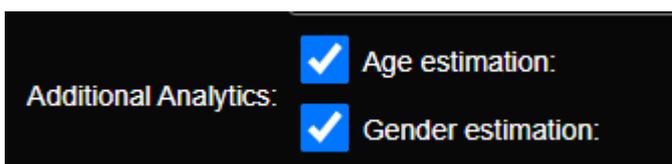
User can select to show age and gender recognition information to be shown in live view.

5.System Page

User can setup facial recognition event to 3rd party systems from this configuration page.

VSS/VAST2 Event Push Settings

This function is to set the "**Datamagnet**" connection of FD9387-FR to VAST2 / VSS.

(1) **VSS/VAST2 Server URL:** format is https://VSS_Server_IP:3443/ (replace VSS_Server IP with VSS/VAST 2 IP address)

(2) **Username & Password:** This is the configured username and account for VSS/VAST2

(3) **Data Source:** Type in the "exact" data source name created in VSS/VAST 2.


(4) **Privacy Protection:** Disable snapshot sending to VSS.

(5) **Include Register Photo:** Send enrolled picture alone with FR event to VSS..

Plese click "Test" first to check if all the setting and connection are correct.

Synchronize

(1) User can set one FD9387-FR-v2 as a source camera to sync its facial database to other 4 receiver FD9387-FR-v2 (Up to 4 receiver cameras can be added into one group)
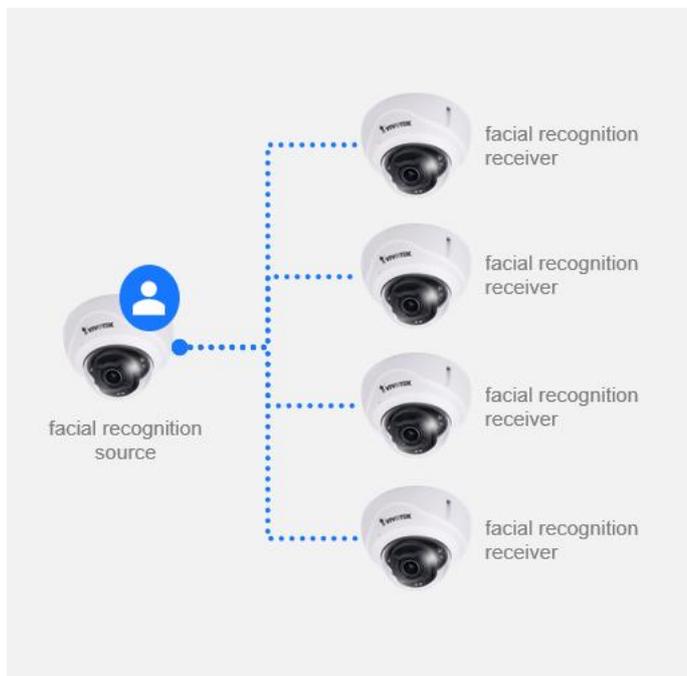
(2) Source Camera information:

This function is used in the receiver FD9387-FR-v2 to connect to the source camera:

- **Server Address**: http://Source_camera_IP (replace Source_camera_IP with IP address of the source camera)
- **Username and Password**: This is the configured username and account for FD9387-FR-v2 source camera.
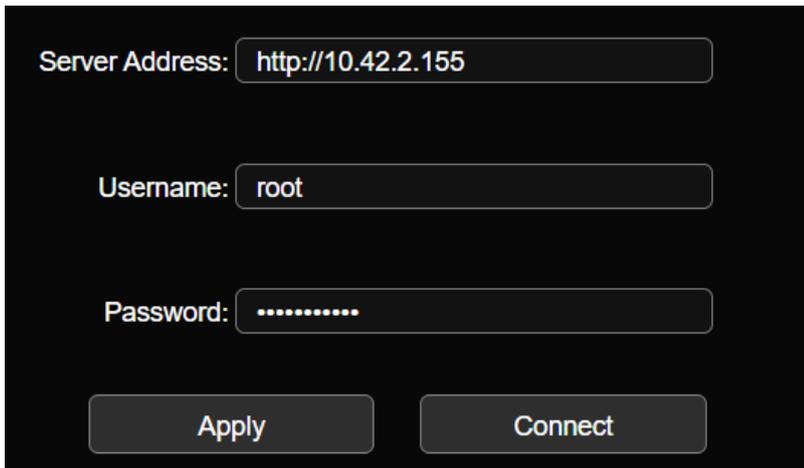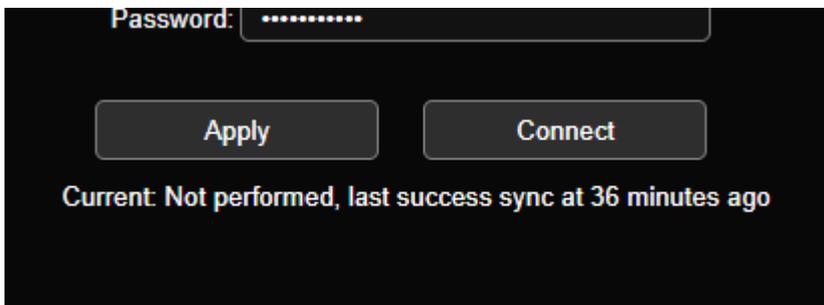
Please click on the "Apply" and then "Connect" buttons. System will automatically check connection status to the source FD9387-FR-v2.

*System will automatically update connection and syncronization status here.