



Quick Start Guide

FaceView

ADVANTECH

Enabling an Intelligent Planet

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Product Warranty (2 years)

Advantech warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Advantech, or which have been subject to misuse, abuse, accident or improper installation. Advantech assumes no liability under the terms of this warranty as a consequence of such events.

Because of Advantech's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If an Advantech product is defective, it will be repaired or replaced at no charge during the warranty period. For out-of-warranty repairs, you will be billed according to the cost of replacement materials, service time and freight. Please consult your dealer for more details.

If you think you have a defective product, follow these steps:

1. Collect all the information about the problem encountered. (For example, CPU speed, Advantech products used, other hardware and software used, etc.) Note anything abnormal and list any onscreen messages you get when the problem occurs.
2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information readily available.
3. If your product is diagnosed as defective, obtain an RMA (return merchandise authorization) number from your dealer. This allows us to process your return more quickly.
4. Carefully pack the defective product, a fully-completed Repair and Replacement Order Card and a photocopy proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

Declaration of Conformity

CE

This product has passed the CE test for environmental specifications. Test conditions for passing included the equipment being operated within an industrial enclosure. In order to protect the product from being damaged by ESD (Electrostatic Discharge) and EMI leakage, we strongly recommend the use of CE-compliant industrial enclosure products.

FCC Class B

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FM

This equipment has passed the FM certification. According to the National Fire Protection Association, work sites are classified into different classes, divisions and groups, based on hazard considerations. This equipment is compliant with the specifications of Class I, Division 2, Groups A, B, C and D indoor hazards.

Technical Support and Assistance

1. Visit the Advantech website at <http://support.advantech.com> where you can find the latest information about the product.
2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

Warnings, Cautions and Notes

Warning! *Warnings indicate conditions, which if not observed, can cause personal injury!*



Caution! *Cautions are included to help you avoid damaging hardware or losing data. e.g.*



There is a danger of a new battery exploding if it is incorrectly installed. Do not attempt to recharge, force open, or heat the battery. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Note! *Notes provide optional additional information.*



Document Feedback

To assist us in making improvements to this manual, we would welcome comments and constructive criticism. Please send all such - in writing to: support@advantech.com.

Safety Instructions

1. Read these safety instructions carefully.
2. Keep this User Manual for later reference.
3. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
5. Keep this equipment away from humidity.
6. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage.
7. The openings on the enclosure are for air convection. Protect the equipment from overheating. **DO NOT COVER THE OPENINGS.**
8. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
9. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
10. All cautions and warnings on the equipment should be noted.
11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient over voltage.
12. Never pour any liquid into an opening. This may cause fire or electrical shock.
13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
14. If one of the following situations arises, get the equipment checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment does not work well, or you cannot get it to work according to the user's manual.
 - The equipment has been dropped and damaged.
 - The equipment has obvious signs of breakage.
15. **DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT WHERE THE STORAGE TEMPERATURE MAY GO BELOW -20° C (-4° F) OR ABOVE 60° C (140° F). THIS COULD DAMAGE THE EQUIPMENT. THE EQUIPMENT SHOULD BE IN A CONTROLLED ENVIRONMENT.**
16. **CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER, DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.**

The sound pressure level at the operator's position according to IEC 704-1:1982 is no more than 70 dB (A).

DISCLAIMER: This set of instructions is given according to IEC 704-1. Advantech disclaims all responsibility for the accuracy of any statements contained herein.

Safety Precaution - Static Electricity

Follow these simple precautions to protect yourself from harm and the products from damage.

- To avoid electrical shock, always disconnect the power from your PC chassis before you work on it. Don't touch any components on the CPU card or other cards while the PC is on.
- Disconnect power before making any configuration changes. The sudden rush of power as you connect a jumper or install a card may damage sensitive electronic components.

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Chapter 1

Hardware Installation

1.1 Device

- AIR-100 / 4K Digital Signage Player with Edge AI module for Smart Retail
Powered by Intel® Atom™ Processor E3950 and Intel® Movidius Myriad X MA2485. Integrated NVIDIA® GeForce® GT 1030 graphics for ultra HD playback.

*Product info: Advantech AIR-100






- AIR-200 / Edge AI Inference System
Edge AI Inference Rugged System with 6th Gen Intel® Core i5-6442EQ QC and Two Intel MA2485 VPUs

*Product info: Advantech AIR-200



- System with Intel® Celeron or other higher level CPUs

1.2 Camera (verified through FaceView)

Product	Video
	Microsoft LifeCam HD-3000 720p HD
	Logitech C930e Full HD 1080p
	Logitech BRIO ULTRA HD PRO 4K Ultra HD (Full HD 1080p compatible with FaceView)

Chapter 2

Software Installation

2.1 Software Installation

- OS: Windows 10 64-bit
- Driver: Advantech SUSI V4.0 (or above)
- Version
 - HW bundle/preloaded
 - Offline activation
 - EIS- and AIR- series support w/o license key input
 - SW distribution
 - Online activation at the first time launch
 - Unique license key input required

Note! *Use default settings for Microsoft Visual C++ Redistributable and MongoDB installation during FaceView installation.*

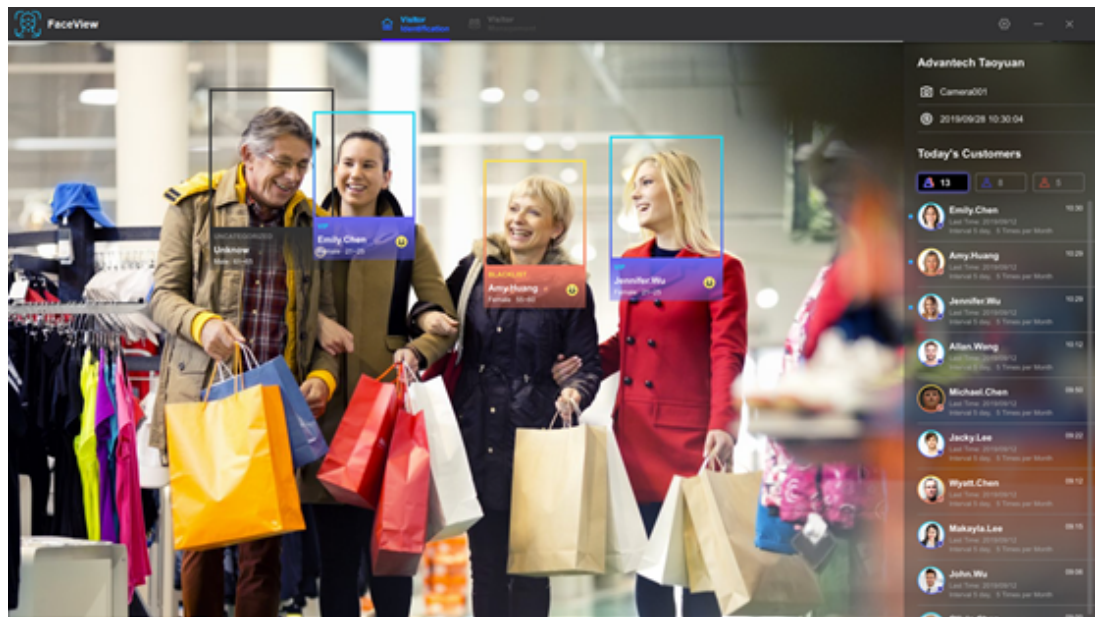


Chapter 3

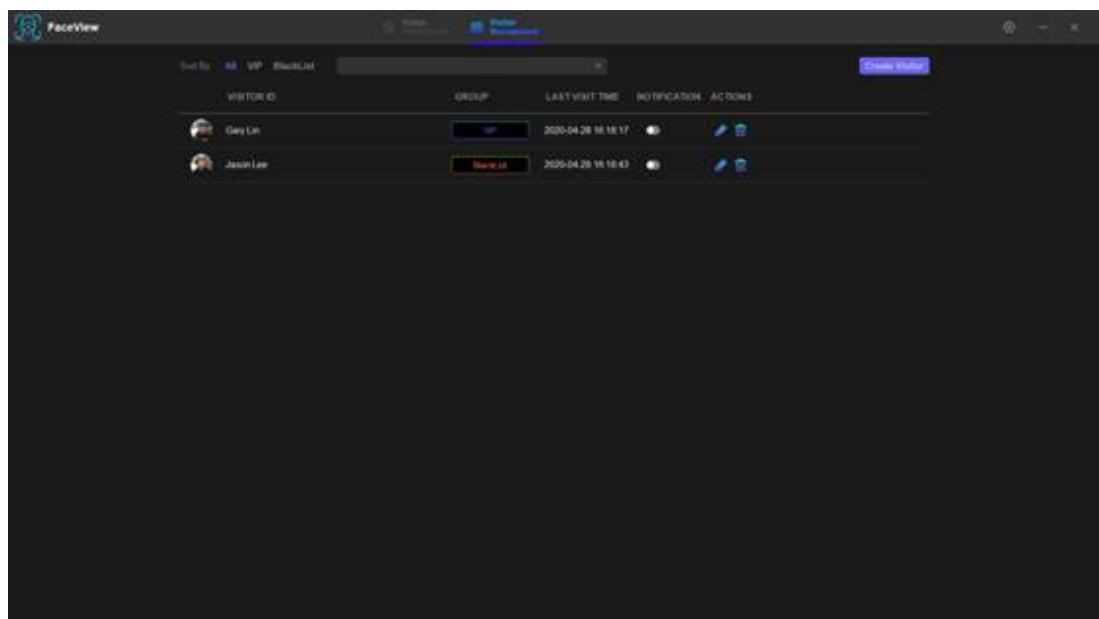
Create a VIP Visitor

3.1 Create a VIP Visitor to get Recognized

Execute the **FaceView** shortcut on the desktop and click **Visitor Management** item at the top.



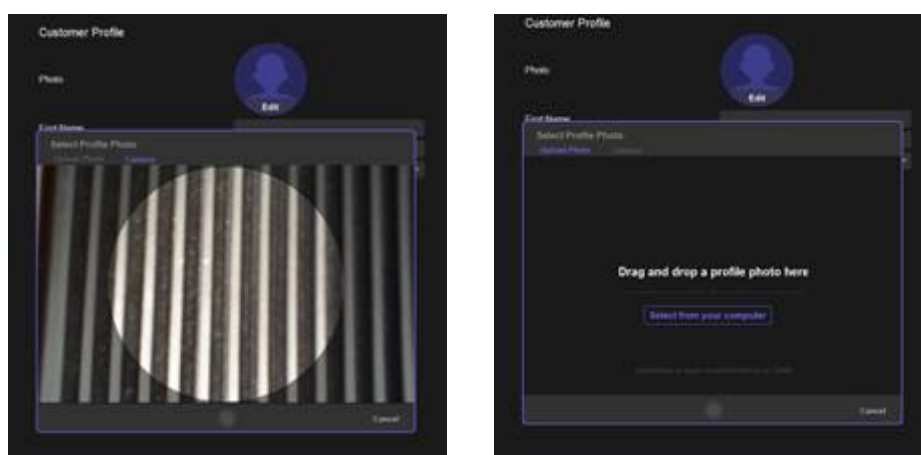
Then click the **Create Visitor** button at the top-right.



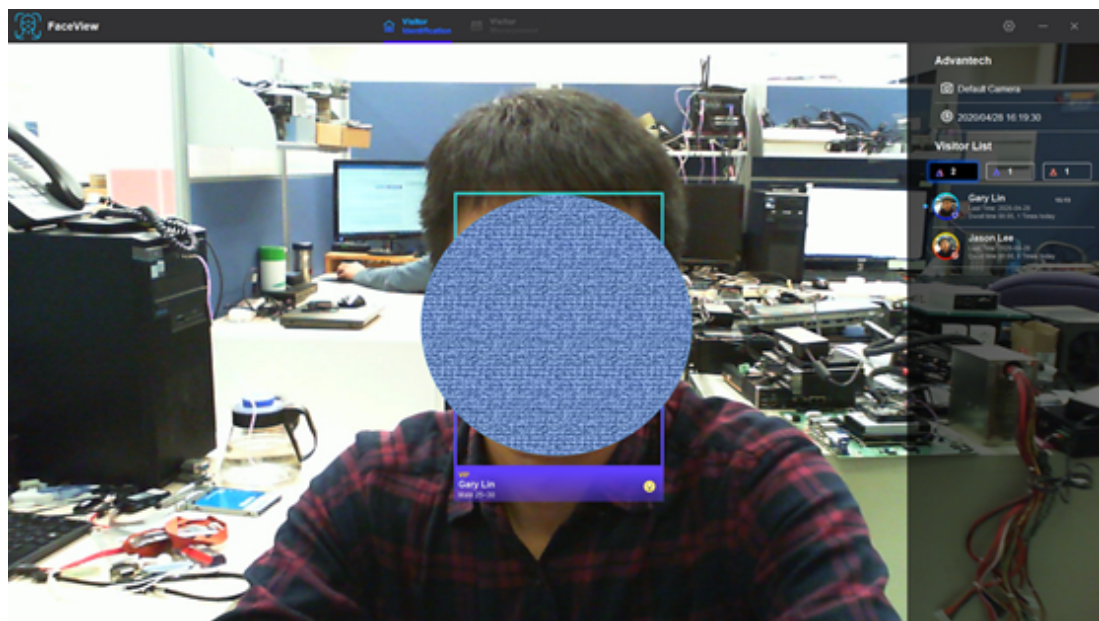
Photo, First Name, Last Name and Group are required for single visitor enrollment.

The screenshot shows the 'Customer Profile' form. It has a 'Photo' field with a placeholder image and an 'Edit' button. Below it are 'First Name' (Michael), 'Last Name' (Jordan), and 'Customer Group' (VIP) fields. There is a 'Cancel' button at the bottom.

The app is able to take a photo through the connected camera or select a photo from a local disk.



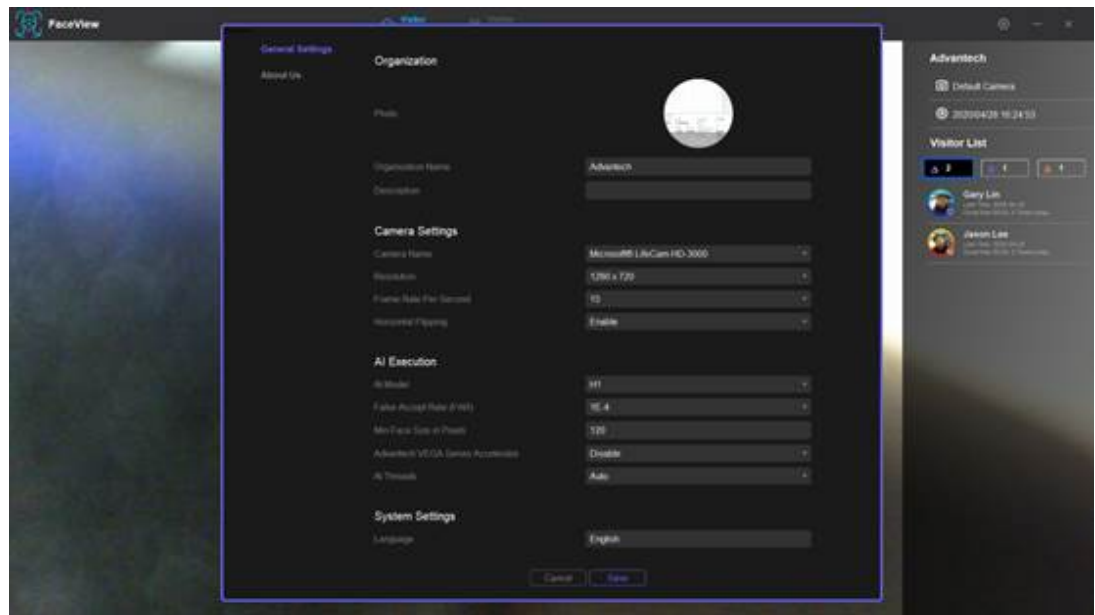
Finally click the active **Save** button to finish the enrollment and a new VIP or blacklist registration will be shown in the **Visitor Management** list. Then go back to Visitor Identification page. If a VIP visitor is enrolled previously, their face will be marked in blue. In addition, an orange frame is used for blacklist and a black one is used for unknown visitors. Only VIP/blacklist visiting records are analyzed in the right hand side list.



Chapter 4

Environment Setup

Click the gear icon at the top right of FaceView to show a configuration page.



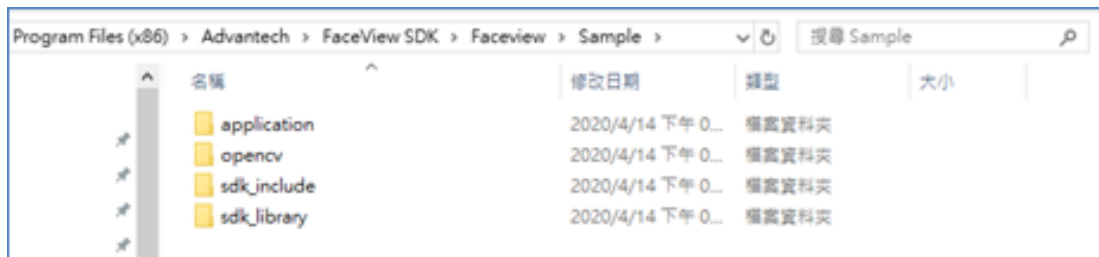
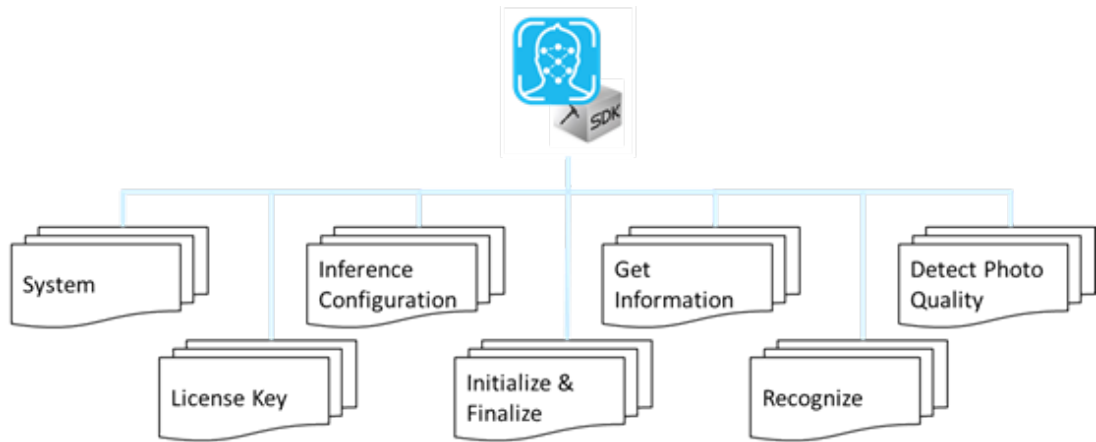
If a live-streaming video can't be shown by default setting in FaceView, some parameters in Camera Setting can be fine-tuned according to the connected camera spec.

Chapter 5

API Resource

5.1 API Resource

FaceView provides 7 categories of API to help customers accelerate facial recognition development and deployment. Here are the API structure and the location of related libraries.





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Please verify specifications before quoting. This guide is intended for reference purposes only.

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