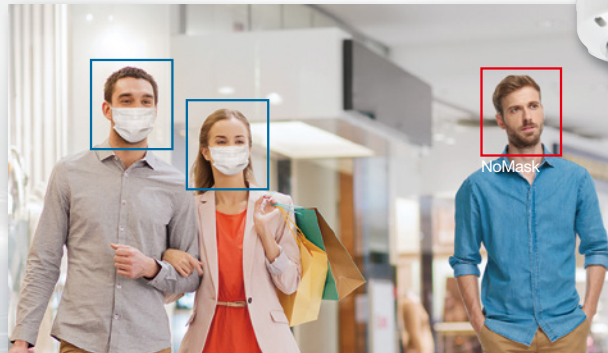# Panasonic
BUSINESS

AI Non-Mask Detection Application
Camera Detects People Who are Not Wearing a Mask

4K Network Camera with AI engine
WV-X2571LN / WV-X2271L / WV-X1571LN

5MP Network Camera with AI engine
WV-X2551LN / WV-X2251L / WV-X1551LN

WV-X2571LN

Video Insight 7

NoMask

Extension Software WV-XAE203W is a software that adds functionality to your network camera with AI engine.
Just install software on the camera to enable the AI non-mask detection function to send notifications to external systems (network disk recorder or Video Insight VMS) when a person without a mask is detected.
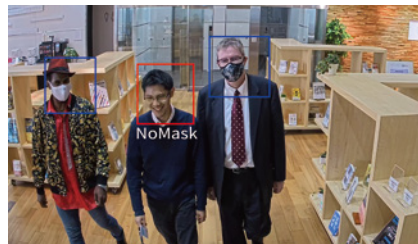
Non-Mask Detection

(1) Deep-learning and proprietary image processing technologies recognize mask and detect people who are not wearing them.

(2) Simply install software on your network camera with AI engine and the camera will detect people who are not wearing mask by displaying pop up alarm notification at external systems.
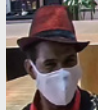
*Caution
Difficulty, failure or error in detection may occur due to brightness of the area, subject movement, and installation conditions.
Please check on-site environment before adopting this system.
- Not compatible with IR-LED environments.
- May not detect certain types of masks.
- May not detect certain ways masks are worn, such as under the chin or when not covering the nose.
- May fail to detect or detect with reduced accuracy due to uneven light, changes in lighting, facial orientation, jewelry worn, fast subject movement, strong external light sources, etc.

NoMask

*Example image of detection processing.

Recognizable Mask Type and Condition

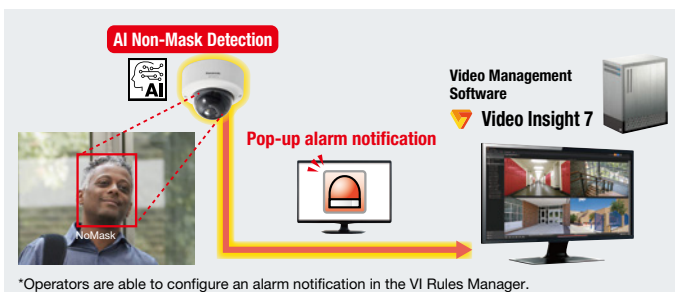| Straight forward | Tilted sideways (45° left/right, 30° up/down) | Subject wearing glasses | Subject wearing a hat (eyebrows visible) |

Flat type Pleated type Three-dimensional type

System Connection Example

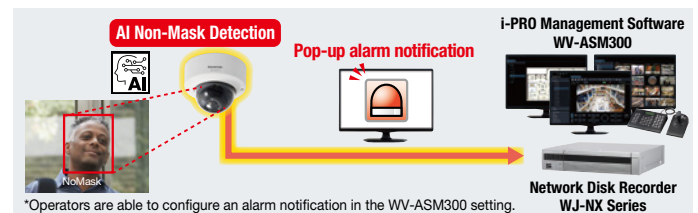### ● Video Management Software Video Insight

Video Insight (VMS) can be linked and incorporated into a monitoring system.
The software requires no additional set up.
Simply install it on your network camera with AI engine and it is ready to use.

AI Non-Mask Detection

Video Management Software
Video Insight 7

Pop-up alarm notification

NoMask

*Operators are able to configure an alarm notification in the VI Rules Manager.

● WJ-NX series Network Disk Recorder

The WJ-NX Series Network Disk Recorder and i-PRO Management Software WV-ASM300 can be linked and incorporated into a monitoring system.
The software requires no additional set up.
Simply install it on your network camera with AI engine and it is ready to use.

*Message ID settings are required on the WJ-NX series network disk recorder and WV-ASM300.
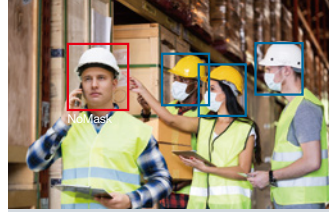*WJ-NX series network disk recorder and WV-ASM300 detection frame display is not supported.

AI Non-Mask Detection

i-PRO Management Software
WV-ASM300

Pop-up alarm notification

NoMask

Network Disk Recorder
WJ-NX Series

*Operators are able to configure an alarm notification in the WV-ASM300 setting.
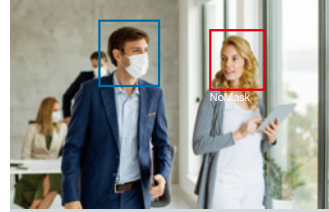
USES

To help prevent the spread of COVID-19 and other infectious diseases
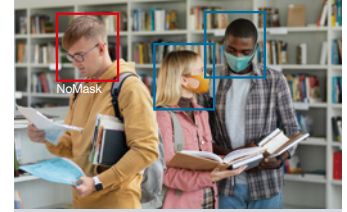

Hospitality / Retail

Logistic Bases / Factories

Offices

School

Specifications

*Caution
A extension software license is required for each camera to activate Non-Mask detection App.
See the instruction manual for more information regarding restrictions.

Recognized masks	Color masks, pattern (geometric) masks, fashion masks and various mask shapes (flat type, pleated type, three-dimensional type)
Maximum number of simultaneous detections	8 people
Maximum face orientation	45° left and right 30° up and down
Minimum face size	Face width 60 pixel (5M model), 80pixel (4K model)
Recommended minimum face size	Face width 80 pixel (5M model), 120pixel (4K model)
Installation location	Indoors
Brightness	80 lx or more (brightness when close to a face directed straight to the camera)

Related Products

4K Network Camera with AI engine
WV-X2571LN
WV-X2271L
WV-X1571LN
(i-PRO white)

WV-X2571LN   WV-X2271L   WV-X1571LN

5MP Network Camera with AI engine
WV-X2551LN
WV-X2251L
WV-X1551LN
(i-PRO white)

WV-X2551LN   WV-X2251L   WV-X1551LN

Network Disk Recorder
WJ-NX400
WJ-NX300
WJ-NX200

WJ-NX400   WJ-NX300

WJ-NX200

Video Management Software
Video Insight 7

i-PRO Management Software
WV-ASM300

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Important
– Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
– Panasonic i-PRO Sensing Solutions Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
– When monitoring remotely, please pay attention to the network design. For details, please contact your local Panasonic i-PRO sales representatives.

• All images are for illustrative purposes only. • Specifications are subject to change without notice.

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