

# PCMASK Aida PC Mask Detection with Social Distance Detection

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## Introduction

Aida mask-detection system, which relies on AI image analysis technology to identify when people are not wearing masks. The system can be used to enforce strict mask-wearing rules and help with access control to prevent disease-prevention lapses °

- ▶ Automated detection: through AI image analysis technology, an alarm notification is issued for people who are not wearing masks at entrances and exits °
- ▶ One-stop management: NAV system integrates AI masks and facial recognition, print screen alarm notification and trigger pre-recorded warning voices, etc °
- ▶ Support multiple functions: including image playback, event search and image screenshot °

| Aida PC Mask Detection with Social Distance Detection |                                                                 |
|-------------------------------------------------------|-----------------------------------------------------------------|
| Industry                                              |                                                                 |
| Product code                                          | PCMASK                                                          |
| Object recognition supported                          | Mask, no mask, improper mask wearing, social distance detection |
| Camera supported                                      | LILIN cameras (recommended) and ONVIF cameras                   |
| Supported AI engines                                  | Human management                                                |
| Aida processing power capability                      | Aida power 1 / ch                                               |
| Recognition speed (per server)                        | 6 recogs / sec / ch                                             |
| Maximun objects recognized in a frame                 | 24 objects / frame                                              |
| Zone confinguration                                   | 4 zones                                                         |
| Color recognition                                     | Supported                                                       |
| AI recognition resolution requirement                 | Object 120x120 pixels                                           |
| Object size filter                                    | Yes                                                             |
| SDK                                                   | Yes                                                             |
| Video resolution                                      | English / Traditional Chinese / Japanese / Italian              |
| User management with access rights                    | Three levels                                                    |
| Application                                           | Healthcare                                                      |
| Recording (optional)                                  | Navigator Corporate                                             |
| Traffic management                                    |                                                                 |
| Behavior counter                                      | 64                                                              |
| Behavior                                              | Mask, improper mask wearing, no mask, Social distancing         |

| Statistics and Counter Reports        |                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------|
| NAV statistics report (optional)      | Vehicle flow, vehicle types, people counting, behavior counting, and color counting |
| NAV statistics report type (optional) | Web based pie chart, bar chart, and line chart JPEG snapshot supported              |
| NAV statistics range (optional)       | 7 day, 30 days and 60 days                                                          |
| NAV statistics summary (optional)     | Camera, object classification, or behavior summary report                           |
| NAV counter (optional)                | Support tripwire mode and object tracking                                           |

| Alarm Notification                              |                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------|
| HTTP Post notification                          | LILIN smart IO box, LILIN LED display, third-party network device, or cloud |
| HTTP/HTTPS push notification with JPEG snapshot | 16                                                                          |
| Support Line notification                       | Via IFTTT                                                                   |
| Digital output                                  | Controllable via IP cameras or LILIN Network I/O Box                        |
| Car park counting for multi cameras             | LILIN LED display                                                           |
| Building capacity counting display              | LILIN LED display                                                           |

| System Requirements |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| Suggested CPU       | Intel® i3 or above                                                                         |
| GPU/VPU supported   | Intel® HD Graphics 630 or above, PMH-XM2280, Intel® Movidius™ NCS2 NVidia 1050 4G or above |
| System memory       | RAM 8G (recommended)                                                                       |
| OS requirement      | Windows 10 with DirectX 12 installed                                                       |

Note: For recognition accuracy, each camera requires 6 recognitions per second. Each camera with AI Engine can cover number plate recognition of 1~2 vehicles for 1~2 lanes.

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