

PCSAFTY Aida PC Construction Site Safety

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Introduction

Using LILIN Aida detection to review whether workers are wearing the helmet or not in the construction area. If the regulations are not followed, an alarm will be issued immediately. If workers are wearing the helmet in the area, the system will not issue an alarm.

Aida PC Construction Site Safety

Industry	
Product code	PCSAFTY
Object recognition supported	Person, helmet, no helmet wearing and safety vest
Camera supported	LILIN cameras (recommended) and ONVIF cameras
Supported AI engines	Safety management
Aida processing power capability	Aida power 1 / ch
Recognition speed (per server)	6 recogs / sec / ch
Maximum objects recognized in a frame	24 objects / frame
Zone configuration	4 zones
Color recognition	Supported
AI recognition resolution requirement	Object 120x120 pixels
Object size filter	Yes
SDK	Yes
Video resolution	Object 120x120 pixels
User management with access rights	Three levels
Application	Public safety
Recording (optional)	Navigator Corporate

Traffic management

Behavior counter	64
Behavior	Helmet, no helmet, safety vest detection

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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