

# AIANPR Aida Number Plate Recognition

## Aida Number Plate Recognition

Industry	
Product code	AIANPR
ANPR or object recognition supported	AIANPRx-AUS: Australia AIANPRx-EUR: Austria, Belgium, Italy, Croatia, France, Turkey, Germany, Spain, Portugal AIANPRx-GBR: UK AIANPR-IDN: Indonesia, AIANPRx-IND: India AIANPRx-JPN: Japan AIANPRx-MEA: Saudi Arabia, UAE, Iran, Oman, Dubai AIANPRx-MYS: Malaysia AIANPRx-SEA: Hong-Kong, Macau, Singapore AIANPRx-TWN: Taiwan AIANPRx-USA: 50 states, Guam, and Puerto Rico AIANPRx-VNM: Vietnam AIANPRx-THA: Thailand AIANPRx-BGD: Bangladesh AIANPRx-LKA: Sri Lanka AIANPRx-CAN: Canada x = 1~10 channels
Camera supported	LILIN cameras (recommended) and ONVIF cameras
Supported AI engines	Number plate recognition
Aida processing power capability	Aida power 2 / ch
Recognition speed (per server)	6 recogs / sec / ch
Maximun objects recognized in a frame	4 number plates / frame
Zone confinguration	4 zones
Color recognition	Number plates
AI recognition resolution requirement	Plate width 100 pixels
Object size filter	Yes
SDK	Yes
Video resolution	1920 * 1080 or lower
Language supported	English / Traditional Chinese / Japanese / Italian
User management with access rights	Three levels
Application	Freeway
Recording (optional)	Navigator Corporate

Number Plate Recognition	
Vehicle detection speed	200kmh/125mph
Plate color	White, yellow, green, black, and red supported
States / provinces	USA, Middle East, Japan, Indonesia
Angle of license plate	Up to 15 degrees
Camera installation angle	0 to 30 horizontal degrees
Support "-" recognition for plates	Supported
Support OSD Unicode for number plates	Supported
NAV Detection area	Configurable
NAV the length of plate digits	Minimum and maximum length configurable
NAV exclusion list	Configurable
NAV quick search (playback)	Configurable
NAV snapshots (playback)	PIP and OSD text overlay
NAV alarm management on detection	Full screen alarm popup, PC sound alarm, trigger IP camera digital output, email snapshots, redirect a PTZ preset recall, alarm snapshot

Traffic management	
Behavior counter	64
Behavior	Number plate recognition

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 notfication	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 Sequirements	
Suggested CPU	Intel® i7 or above
GPU/VPU supported	Intel® HD Graphics 630 or above, PMH-XM2280, Intel® Movidius™ NCS2 x 2, or NVidia 1050 4G or above
System memory	RAM 16G (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.

