



## AIVA LPR Series

### Next generation artificial intelligence LPR solution

Aicuda's AIVA LPR Series enable high performance intelligent detection and recognition of license plates in real-time or from recorded video files. It utilizes deep learning algorithms to help identify and trace stolen vehicles, recognize regular customers to develop loyalty programs, detect permit and non-permit holders and improve site security. With a flexible, scalable and open design the AIVA LPR Series are easy to deploy and maintain. Suitable from small business to enterprise solutions for different segments of the surveillance market such as parking, access control, red light enforcement, traffic monitoring, tolling systems and high-speed enforcement.



#### Highlights

- High-performance intelligent license plate recognition appliance.
- 3 application modes - parking lot, city road, highway - to optimize performance
- AIVA solutions are trained, not programmed
- Significant time and cost savings
- Out of the box solution
- 2 year warranty on hardware / 1 year software maintenance
- Supports all ONVIF devices

#### Deployment:

- Airports, campus, city surveillance, gas stations, shopping centers, toll stations

#### Deep Learning Technology

Surveillance is a repetitive and mundane task. This may cause performance dips for human beings. Aicuda Technology is developing AI solutions based on deep learning to let the technology do the surveillance for us.



#### Simple configuration and management

The open architecture technology of the AIVA LPR Series makes it easy to integrate with 3rd party hard- and software products. Connect to surveillance cameras for live streaming or to NVR or DVR for playback. Meta data is extracted from video files and stored on the AIVA appliance for fast video search and review.

#### Aicuda AIVA benefits for the customer

##### All-in-One Solution

Supports multiple functions like video search, face recognition, fire detection, intrusion detection, license plate recognition, and weapon detection.

##### Ability to learn

Platform is able to learn from experience using a multi-layer neural network. It is trained to recognize objects and patterns, not programmed.

##### Intuitive, easy-to-use interface

Google-like search engine and intuitive result display based on easy-to-use natural language interface..

##### Plug-and-play

Out of the box ready to use artificial intelligence solution with pretrained self learning artificial intelligence models.

##### Partner Proven

Fully compatible with ONVIF IP cameras like Axis, Bosch, Hanwha and Sony. Compatible with leading VMS, including Axonsoft, Digifort, Genetec, ISS, Milestone and others.

##### Significant increase in productivity

Rapidly pinpoint persons and objects of interest. Review hours of video in minutes.



## Product Specifications



Model	AIVA-LPR 110	AIVA-LPR 130	AIVA-LPR 510
-------	--------------	--------------	--------------

### Product Image



Model Series	AIVA-LPR 100 series	AIVA-LPR 500 series	AIVA-LPR 500 series
AI resources	16	32	32
AI LPR - highway mode	Max. 2 channels	Max. 5 channels	Max. 5 channels
AI LPR - city road mode	Max. 4 channels	Max. 8 channels	Max. 8 channels
AI LPR - parking lot mode	Max. 8 channels	Max. 16 channels	Max. 16 channels
Central Search	Yes	Yes	Yes
Form Factor	Mini-PC	Mini-PC	1U
CPU	Intel Core i5	Intel Core i7	Intel Core i7
AI GPU	NVIDA Performance GPU	NVIDA Performance GPU	NVIDA Performance GPU
AI Storage	Include one 1TB HDD 1x 3.5" SATA III cold swappable disk bay	Include one 1TB HDD 1x 3.5" SATA III cold swappable disk bay	Include one 1TB HDD 2x 3.5" SATA III hot swappable disk bay
Network	Dual Gigabit Ethernet	Dual Gigabit Ethernet	Dual Gigabit Ethernet
System HDD	128GB SSD	128GB SSD	2x 240GB SSD (RAID1)
Memory	8GB	16GB	16GB
RAID Support	No RAID Support	No RAID Support	RAID 0, 1
HDD Support	1, 2, 4, 6, 8, 10TB HDD	1, 2, 4, 6, 8, 10TB HDD	1, 2, 4, 6, 8, 10TB HDD
Stackable	Yes	Yes	Yes
Rack Mount	No	No	Yes
Video File Format	MP4,WMV,AVI,MOV,MPG	MP4,WMV,AVI,MOV,MPG	MP4,WMV,AVI,MOV,MPG
Supported codes	H.264, H.265, MJPEG, MPEG1 MPEG2, MPEG4, VC1, VP8, VP9	H.264, H.265, MJPEG, MPEG1 MPEG2, MPEG4, VC1, VP8, VP9	H.264, H.265, MJPEG, MPEG1 MPEG2, MPEG4, VC1, VP8, VP9
File-Based Ingestion	Multi File Videos or Single File Videos	Multi File Videos or Single File Videos	Multi File Videos or Single File Videos
Deployments	SMB	SMB	Enterprise
Warranty	2 years warranty HW 1 year SW maintenance	2 years warranty HW 1 year SW maintenance	2 years warranty HW 1 year SW maintenance

\* For every camera channel with LPR, Video Search is automatically included without requiring additional AI resources.

\* Supports 3 LPR modes: highway, city road and parking lot. Region license plate support.

\* Design and specifications are subject to change without notice.

