



PRODUCT DATA SHEET

AEROS II

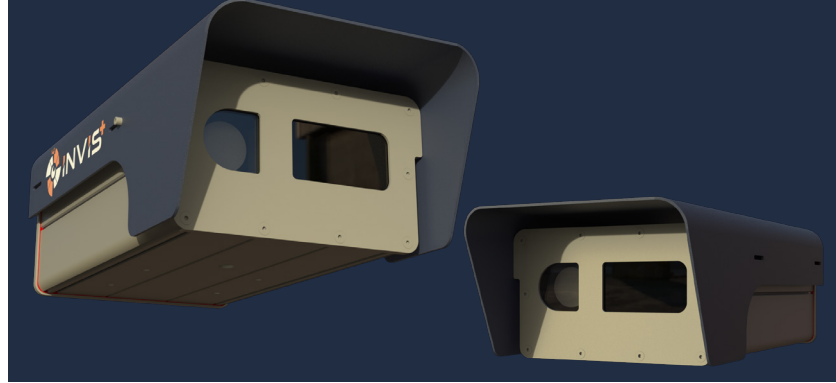
HIGH-PERFORMANCE ANPR

AEROS II is a high-performance intelligent ANPR camera designed for advanced tolling, enforcement and ITS applications where image quality, processing capability and operational reliability are critical.

Built around a powerful 8-core processing platform with up to 100 TOPS of AI computing performance, AEROS II provides the processing capacity required for advanced ANPR, image analysis and intelligent edge applications directly within the camera.

A 5 MP Global Shutter image sensor operating at up to 60 FPS provides sharp, distortion-free vehicle and license plate images at high speeds. The integrated IR illumination system provides up to 80 W pulsed output and 6 W continuous illumination, while synchronized IR flash support enables precisely controlled image capture under demanding low-light and nighttime conditions.

AEROS II uses a single Day/Night camera with automatic IR filter switching, providing full-color daytime imaging and IR-optimized monochrome imaging at night. Advanced monitoring functions supervise camera position, image quality and system health, while flexible trigger, image-set and secure communication options simplify integration with modern tolling and enforcement platforms.



AEROS II — high-performance AI processing and precision imaging at the edge.

KEY SPECIFICATIONS

- Up to 100 TOPS AI Processing Performance
- 8-Core High-Performance Processing Platform
- 5 MP Global Shutter Image Sensor
- Up to 60 FPS Image Capture
- Single Day/Night Camera with IR Filter Switching
- Integrated IR Illuminator: 80 W Pulsed / 6 W Continuous
- Synchronized IR Flash Support
- Advanced Onboard ANPR Intelligence
- Configurable Trigger & Image Capture
- Camera Position & Image Quality Monitoring
- Secure Push/Pull Data Interface
- Industrial-Grade Design

INVIS

GET IN TOUCH

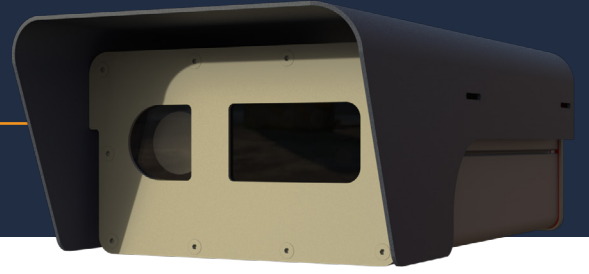
+90-262 999 18 19
info@invisplus.com

OUR OFFICE

GTÜ TEKNOPARK ,Cumhuriyet Mah.
ŞişecamYolu Sk. Arge 12 No: 54 İç Kapı No: 8

AEROS II SPECIFICATION

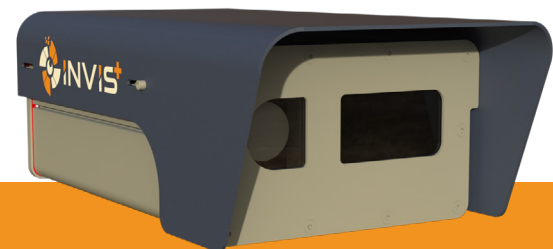
HIGH-PERFORMANCE ANPR



Processing Platform	High-performance -8core embedded processing platform
AI Processing Performance	Up to 100 TOPS
ANPR Engine	Embedded ANPR / ALPR engine onboard
Image Sensor	5 MP Global Shutter
Camera Configuration	Single Day/Night camera
Day / Night Operation	Automatic IR filter switching; Color Day / IR Monochrome Night
Capture Rate	Up to 60 FPS, configurable
Integrated Illuminator	80 W Pulsed / 6 W Continuous IR illumination
IR Wavelength	850 nm
Flash Synchronization	Synchronized internal / external IR flash operation
Max. Vehicle Speed	Up to 220 km/h
Working Distance	Up to 12 m
Vehicle Detection	>%99*
ANPR Reading	>%97*
Image Compression	JPEG
ANPR Output	Plate number / OCR result
Jurisdiction Recognition	State / region / issuing jurisdiction recognition
Plate Type Recognition	Standard and configurable specialty plate types
Confidence Reporting	Per-character and full-plate confidence levels
Jurisdiction Confidence	Confidence level for jurisdiction result
Plate Type Confidence	Confidence level for plate-type result
Capture Modes	Free Running / Triggered
Trigger Interface	TCP/IP and Digital I/O
Pre/Post Trigger Capture	Configurable number of pre-trigger and post-trigger images
Image Set Interface	Configurable Push or Pull image-set transfer
Remote Performance Monitoring	Capture and ALPR performance monitoring without interrupting live operation
Camera Position Monitoring	Position / motion monitoring for camera displacement detection
Image Quality Monitoring	Automatic dirty or blocked lens detection

Health Monitoring	Configurable health and maintenance reporting
Web Server	Onboard web-based installation, configuration and monitoring
TCP/IP Interface	Configuration, monitoring and data communication
Time Synchronization	NTP / IEEE 1588
FTP	FTP client for remote data transmission; multiple servers supported
Secure Communication	Selectable secure interface protocols
Security	AES256- / SHA2-
Standard Protocols	SNMP; NTCIP; MODBUS optional
Ethernet	Gigabit Ethernet 10/100/1000
Local Storage	Up to 256 GB + internal eMMC
Wi-Fi / 4G Modem	Optional
GPS Module	Optional
Operating System	Linux
Digital I/O	2 opto-isolated inputs / 2 relay outputs
Digital Bus	RS485- optional
Lens	Motorized zoom and focus
Connectors	IP67 industrial connectors
IP Protection	IP66
Operating Temperature	°30-C to °60+C
Operating Humidity	Up to %95, non-condensing
Power Supply	24 VDC
Power Consumption	30 W Typical

**Accuracy values are carried over from the current AEROS specification and should be confirmed for the final AEROS II production model.*



INVIS

GET IN TOUCH

+90-262 999 18 19
info@invisplus.com

OUR OFFICE

GTÜ TEKNOPARK ,Cumhuriyet Mah.
ŞişecamYolu Sk. Arge 12 No: 54 İç Kapı No: 8