Smart+ Speed

The most powerful SPEED measurement Smart Camera

- Totally based on Stark, the new secure-by-design software architecture provides a fully parametrizable platform, totally modular, with a multilingual and super user-friendly web interface.

- On-edge powerful AI Camera.

- With its powerful algorithms and on-board computing capabilities, Smart+ Speed camera sets new standards for accuracy, reliability, and efficiency in enforcement and security.

- The Neural Plate and vehicle detector algorithm can quickly and accurately identify different types of vehicles, such as cars, trucks, and motorcycles.

- It is easy to connect the POE radar to the camera and adjust it independently with different angles to suit different installation scenarios..

- Coverage of up to 3 lanes in the 8Mpx + 5Mpx version.

- Detect vehicle speed up to 320 Km/h (198mph).

- The Smart+ Speed camera is designed to fit different installation scenarios, including pole and gantry installations. It can handle vehicle transit in the same or opposite direction and is suitable for front and rear license plate readings.

Smart+ Speed

	SMART+ SPEED
Software features and Performance	
Software platform	Stark
AI hw accelerator	Up to 2 hardware accelerators
Lane Detected	Up to 3 lanes
Working Distance	Up to 40m - *115 ft*
Detection	>99.5%
Reading	Up to 98%
OCR	Up to 3 ANPR (ALPR) engines on board
Third party OCR	Optional
Classification	Optional
Vehicle Color	Optional
Vehicle Maker	Optional
Vehicle Model	Optional
Video Streaming	Color video streaming via standard RTSP protocol
AES256	Yes
SHA2	Yes
Image Compression	JPG
Streaming Profile	H.264, H.265
Configuration	
Web Server	Installation and configuration with on board Web Application
Integration	Support for HTTP REST API
Date and Hour	Synchronization via NTP protocol or optional GPS
Software Update	Upgrading via Web Application and integration protocols
Data Transmission	
Output Action Types	HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage
Message formats	Fully customizable message formats including JSON, XML, custom string
Configuration	Configurable events/actions and metadata
Serial Port	Yes, RS485 full duplex
Digital output event	Yes
FTP Server	Yes, access to storage partition
Op. Mode	
Autotrigger	Self-triggering based on AI image analysis on multiple lanes, even without plates
Trigger mode	Image capture and processing triggered by Ethernet or digital signal

	SMART+ SPEED
System	
ANPR (ALPR) camera	8 Megapixels Grayscale
Context camera	5 Megapixels Color
Illuminator	12 high power LEDs, InfraRed @ 850 nm
Lenses	Fixed lens configuration
Operating System	Linux Operating System
Custom software	Optional, with Linux container
Digital I/O	1 Optoisolated input - 1 Relay Output – 2 Strobe output
IP Protection	IP68
Ethernet	GigaBit Ethernet 10/100/1000
Storage	uSD up to 128 GB
Internal SSD	Optional up to 1TB
GPS	Yes
LTE	Optional
WiFi	Yes
PSE	Yes
Technical Data	
Operating & Storage Temperature	From -40° to +60° C - From -40° to +140° F
Operating & Storage Humidity	Up to 95% non-condensing
Dimensions	"290 x 323 x 235 mm - 11.4 x 12.7 x 9.3 in (including antenna and speed sensor)"
Weight	8.1 kg - 17.9lbs
Power supply voltage	24 Vdc
Power consumption (typical)	47W (standard config), 57W (full config)
Power consumption (maximum)	95W