

- 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.
- n-edge powerful Al Camera.
- With its top algorithms and on-edge processing power, this Al camera takes enforcement and security to a whole new level, setting new industry standards for accuracy, reliability, and efficiency.
- The Neural plate & vehicle detector algorithm enables it to quickly and accurately identify vehicles of different types, including cars, trucks, and motorcycles.
- § POE Radar connection, adjustable with different angles to adapt to different installation scenarios.
- **Solution** Coverage of up to 3 lanes in the 8Mpx + 5Mpx version.
- Detect vehicle speed up to 320 Km/h (198mph).



SPEED ENFORCEMENT

Smart+ Speed

AES256 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 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 Fully customizable message formats including JSON, XML, custom string		SMART+ SPEED	
Al hw accelerator Lane Detected Working Distance Up to 40m - 115 ft Detection >99% Reading Up to 98% OCR Up to 3 ANPR (ALPR) engines on board Third party OCR Classification Vehicle Color Vehicle Maker Vehicle Model Video Streaming Color video streaming via standard RTSP protocol AES256 SHA2 Image Compression Streaming Profile Configuration Web Server Installation and configuration with on board Web Application Integration Support for HTTP REST API Date and Hour Synchronization via Web Application and integration protocols Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats Fully customizable message formats including JSON, XML, custom string	Software features and	Performance	
Lane Detected	Software platform	Stark	
Working DistanceUp to 40m - 115 ftDetection>99%ReadingUp to 98%OCRUp to 3 ANPR (ALPR) engines on boardThird party OCROptionalClassificationOptionalVehicle ColorOptionalVehicle MakerOptionalVehicle ModelOptionalVideo StreamingColor video streaming via standard RTSP protocolAES256YesSHA2YesImage CompressionJPGStreaming ProfileH.264, H.265ConfigurationInstallation and configuration with on board Web ApplicationWeb ServerInstallation and configuration with on board Web ApplicationIntegrationSupport for HTTP REST APIDate and HourSynchronization via NTP protocol or GPSSoftware UpdateUpgrading via Web Application and integration protocolsData TransmissionHTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local StorageMessage formatsFully customizable message formats including JSON, XML, custom string	Al hw accelerator	Up to 2 hardware accelerators	
Detection >99% 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 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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats including JSON, XML, custom string	Lane Detected	Up to 3 lanes	
Reading OCR Up to 3 ANPR (ALPR) engines on board Third party OCR Optional Classification Vehicle Color Vehicle Maker Optional Vehicle Model Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Yes Image Compression Streaming Profile 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 GPS Software Update Data Transmission Output Action Types Message formats Fully customizable message formats including JSON, XML, custom string	Working Distance	Up to 40m - 115 ft	
OCR Up to 3 ANPR (ALPR) engines on board Third party OCR Optional Classification Optional Vehicle Color Optional Vehicle Maker 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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats Fully customizable message formats including JSON, XML, custom string	Detection	>99%	
Third party OCR Classification Optional Vehicle Color Optional Vehicle Maker Optional Vehicle Model Optional Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Image Compression 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 GPS Oftware Update Data Transmission Output Action Types Fully customizable message formats Fully customizable message formats including JSON, XML, custom string	Reading	Up to 98%	
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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types FIF, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	OCR	Up to 3 ANPR (ALPR) engines on board	
Vehicle Color Vehicle Maker Optional Vehicle Model Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Image Compression 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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats including JSON, XML, custom string	Third party OCR	Optional	
Vehicle Maker Optional Vehicle Model Optional Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Image Compression 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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats including JSON, XML, custom string	Classification	Optional	
Vehicle Model Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Yes Image Compression 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 GPS Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats Fully customizable message formats including JSON, XML, custom string	Vehicle Color	Optional	
Video Streaming Color video streaming via standard RTSP protocol AES256 Yes SHA2 Yes Image Compression 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 GPS Ves Upgrading via Web Application and integration protocols Data Transmission Output Action Types Fully customizable message formats including JSON, XML, custom string	Vehicle Maker	Optional	
AES256 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 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 Fully customizable message formats including JSON, XML, custom string	Vehicle Model	Optional	
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 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 Fully customizable message formats including JSON, XML, custom string	Video Streaming	Color video streaming via standard RTSP protocol	
Image Compression JPG Streaming Profile H.264, H.265 Configuration Installation and configuration with on board Web Application Integration Support for HTTP REST API Date and Hour Synchronization via NTP protocol or GPS Software Update Upgrading via Web Application and integration protocols Data Transmission HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Message formats Fully customizable message formats including JSON, XML, custom string	AES256	Yes	
Streaming Profile 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 GPS Upgrading via Web Application and integration protocols Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	SHA2	Yes	
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 GPS Upgrading via Web Application and integration protocols Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	Image Compression	JPG	
Web Server Installation and configuration with on board Web Application Integration Support for HTTP REST API Date and Hour Synchronization via NTP protocol or GPS Software Update Upgrading via Web Application and integration protocols Data Transmission HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Message formats Fully customizable message formats including JSON, XML, custom string	Streaming Profile	H.264, H.265	
Application Integration Support for HTTP REST API Date and Hour Synchronization via NTP protocol or 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 Fully customizable message formats including JSON, XML, custom string	Configuration		
Date and Hour Synchronization via NTP protocol or GPS Upgrading via Web Application and integration protocols Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	Web Server		
Software Update Upgrading via Web Application and integration protocols Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	Integration	Support for HTTP REST API	
Data Transmission Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	Date and Hour	Synchronization via NTP protocol or GPS	
Output Action Types HTTP, HTTPS, FTP, SFTP, TCP RAW, Serial Communication, Local Storage Fully customizable message formats including JSON, XML, custom string	Software Update		
Communication, Local Storage Message formats Fully customizable message formats including JSON, XML, custom string	Data Transmission		
Message formats JSON, XML, custom string	Output Action Types		
Configuration Configurable events/actions and metadata	Message formats	,	
Comigarable overlay detected and metadata	Configuration	Configurable events/actions and metadata	
Serial Port Yes, RS485 full duplex	Serial Port	Yes, RS485 full duplex	
Digital output event Yes	Digital output event	Yes	
FTP Server Yes, access to storage partition	FTP Server	Yes, access to storage partition	

	SMART+ SPEED
Op. Mode	
Autotrigger	Self-triggering based on Al image analysis on multiple lanes, even without plates
Trigger mode	Image capture and processing triggered by Ethernet or digital signal
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 - <i>17.9lb</i> s
Power supply voltage	24 Vdc
Power consumption (typical)	47W (standard config), 57W (full config)
Power consumption (maximum)	95W

Part Numbers

SMART+ SPEED	
F02363-000	Smart Speed 85