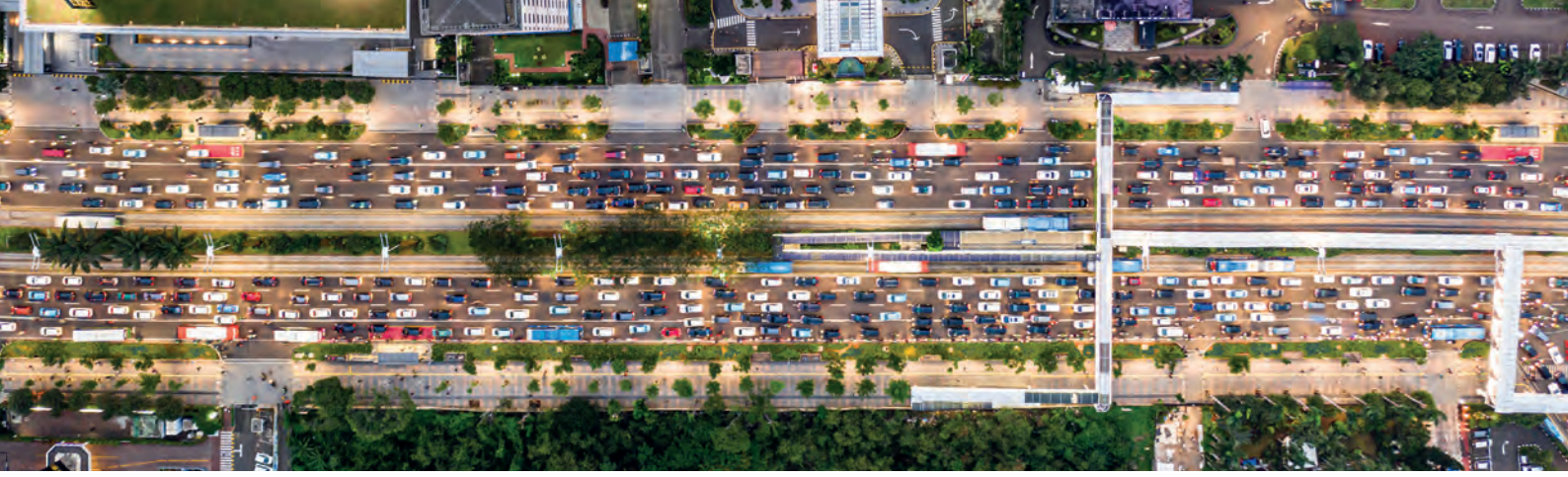




# Vega53

Born for free flow tolling, traffic monitoring and security applications

- Thanks to its high-level sensor on both the OCR and Context channels, as well as its impressive hardware performance, Vega53 is ideal for demanding ANPR applications like free-flow tolling.
- Vega53 camera is a specialized system that meets the demands of one-lane free-flow tolling, traffic monitoring, and security. It can cover up to two lanes (1 lane + overlap for tolling) and detect vehicles travelling at high speed.
- Vega53 is equipped with Stark, the game-changer software platform for the new generation of Tattile's ANPR cameras.
- Stark is the first software platform secure by design, designed and developed to resist the harshest cyber attack. It's 100% configurable to suit the customer's needs, and support multiple applications to run at the same time.
- The camera has a high-power integrated infrared illuminator to support demanding performances such as multiple countries' plate recognition with optimal reading performances even in high complexity scenarios (reflective, non-reflective, coloured plates with multiple charset support).
- Vega53 camera has not only ANPR (ALPR) functionality but also the capability to add vehicle color, brand, and model identification. Moreover, it can support HD video streaming for surveillance, eliminating the need for additional CCTV cameras.
- Vega53 can be easily integrated into management systems through its REST API.



FREE FLOW TOLLING | VEHICLES TRACKING

# Vega53

	Vega53
<b>Software features and Performance</b>	
Lane Detected	Up to 2, depending on layout (1 for tolling)
Working Distance	Up to 35m - 115 ft
Detection	>99%
Reading	Up to 98%
OCR	ANPR (ALPR) engine on board
Third party OCR	Optional
Vehicle Class	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
<b>Configuration</b>	
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 internal GPS
Software Update	Upgrading via Web Application and integration protocols
<b>Data Transmission</b>	
FTP	FTP Client mode for remote data transmission
Standard protocols	REST and binary protocol, XML, SNMP, NTCIP
Configuration	Customizable message format
Wiegand	No
Serial Port	Insulated RS485 / RS422
<b>Op. Mode</b>	
Free Run	Self triggering based on image analysis, even without plates
Trigger mode	Image capture and processing triggered by Ethernet or digital signal

	Vega53
<b>System</b>	
ANPR (ALPR) camera	5 Megapixels Grayscale or 5 Megapixels Color (Color Version)
Context camera	3 Megapixels Color
Illuminator	12 high power LEDs, infrared @ 850 nm or white
Lenses	Fixed high quality lens configuration
Operating System	Linux Operating System
Custom software	Optional
Digital I/O	2 Optoisolated input - 2 Relay Output – 1 Strobe output
IP Protection	IP68
Ethernet	GigaBit Ethernet 10/100/1000
Storage	uSD up to 128 GB
Internal SSD	Optional up to 1TB
Vandal proof Connector	Yes
Antitamper sensor	Yes
GPS	Optional
LTE	Optional
WiFi	Yes
<b>Technical Data</b>	
Operating & Storage Temperature	From -40° to +60° C - From -40° to +140° F
Operating & Storage Humidity	Up to 95% non-condensing
Dimensions	225 x 244 x 132 mm - 8.6 x 9.6 x 5.2 in
Weight	3,6 kg - 8 lbs
Power supply voltage	24 Vdc
Power consumption	35W

Also available in single channel version (OCR)

\* Functionality available only in the dual channel version (OCR + context)