



Why Stark Licensing?

Why should I subscribe Stark Licensing Program ?

6 Full Firmware Update per year

- Cyber Security updates and improvements
- OCR improvements
- New neural OCR releases
- New application Features
- Driver & Protocols updates
- BCCM improvement and according to the country & region
- Specific customized solution
- Taylor made configurations
- Dedicated technical assistance

New features road map (Q2 – Q3 2023)

- Faster and easier Stark platform
- Security user certificates
- Object detection
- Trigger fusion
- More OCRs on-board with AI fusion algorithm
- Advanced ROI Vehicle detection with permanence time
- Advanced diagnostic events
- Time-based events
- Client authentication with certificate

Stark Cyber Security

**IF YOU ARE CONNECTED TO A NETWORK,
YOU ARE VULNERABLE!**



ATTACK THE CUSTOMER NETWORK THROUGH THE CAMERA



Attack the camera



LASER
SCANNER



SERVER

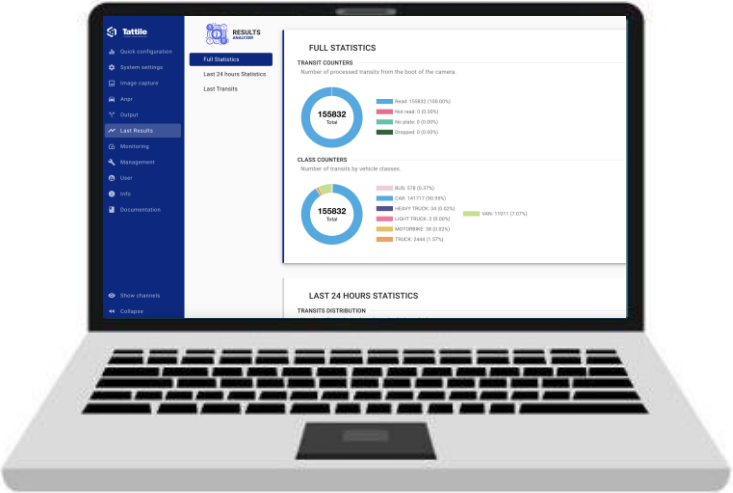


PC

POSSIBLE THREATS

- CRYPTOLOCKER
- DATALEAK
- SERVICE INTERRUPTION

ATTACK THE CAMERA THROUGH THE CUSTOMER PC



Stark Security

WE ARE USING THE **SAME** TECHNOLOGY ADOPTED BY **GOOGLE**

DevSecOps Methodology:

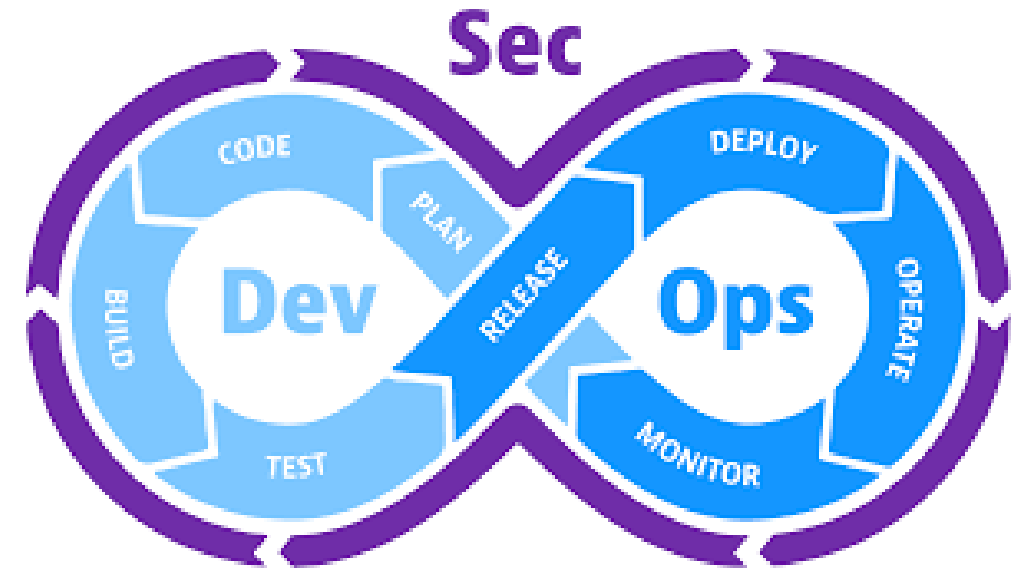
- combines Software Development, Cybersecurity and Operations making products **Inherently safe**

Tools:

- Testing → all software components are automatically tested so they are «**secure by design**»
- Automated tools for debugging and security bug detection and reporting

Cybersecurity Certifications:

- Our devices will be **IEC-62443** certification compliant



sonarqube 

**A DIAMOND IS FOREVER,
CYBERSECURITY IS NOT!**



It's really important to provide a secure system during the first installation...

But more important

Is to keep it up to date

HOW A STARK LICENSE KEEPS THE CAMERA SAFE

Thanks to the continuous Software updates we can ensure:

- Security fixes to protect the camera against known public security exploit
- Support for new protocol versions
- Application security improvements against new attack techniques
- Support for new Cypher algorithm versions
- Privacy law compliancy

Stark Security IEC 62443

IEC 62443

- It's a cyber-defence benchmark for industrial systems
- IEC62443 ensures the adoption of cybersecurity best practices during all product development lifecycle
- IEC62443 is a guarantee for a safe and robust system
- IEC62443 is adopted by Hi-tech companies
- End of certification scheduled by Q4-2023



Stark Security

Secure Access to the Device

Protective camera configuration:

- Disable unused services to reduce attack surface
- Use encrypted channels and protocols: HTTPS, FTPS
- Digital certificates for encrypted channels

ADAVANTAGE:

Ensure no-one can send unwanted commands (eg: open the gate) to the camera before identification

The screenshot shows the 'SETTING SYSTEM' interface with a sidebar menu containing: Application, Network, Time synchronization, Services (highlighted), Illuminator, Local storage, Diagnostic, and Interfaces. The main content area is titled 'SERVICES' and includes the following configurations:

- HTTP:** Port 80, Redirect to https (checked).
- HTTPS:** Enabled (checked), Port 443. Includes fields for Certificate (.crt), Private key (.key), and Certificate chain (.pem), each with a DOWNLOAD and UPLOAD button. A 'NEXT RELEASE' button is also present.
- VRC:** Enabled (unchecked), Port 31000.
- RTSP:** Enabled (unchecked), Max concurrent stream 1, Port 554, Encoder H265.
- FTP:** Enabled (unchecked), Port 21.

Stark Privacy – GDPR

Increase privacy on exchanged data:

- State of art of Image encryption (both saved and sent)
- State of art of Image signature
- Automatic erase of stored data in the camera (optionally)
- Privacy blurring to exclude surrounding unwanted details (eg: driver's face)

ADVANTAGES:

- Ensure data are safely sent from camera to the customer without anyone else being able to see the content
- Ensure only the desired content is visible



Stark License

STARK UP

Designed for users looking for **functionality & security updates**

Firmware Update based on the latest release (>6 releases/year)

- ✓ Security
- ✓ Bug fix
- ✓ Driver update
- ✓ New Features
- ✓ Protocols update

All packages are based on the latest release



Thank you