



2022

GENERAL PRODUCT BROCHURE

Product Catalogue

Hardware - Software



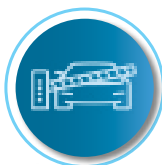
Number plate reading hardware and software for urban video surveillance and access control.



PRODUCTS



URBAN
SECURITY



ACCESS
CONTROL



SPECIAL
PRODUCTS



SOFTWARE
SOLUTIONS



Products for URBAN SECURITY



SOFTWARE SOLUTION

CPS 5.0



the solution most appreciated and used by the **police**



VIDEO ANALYSIS

video analysis algorithms for brand, model, type, colour and class recognition



MULTI BRAND

integrates both license plate reading cameras and portals from other manufacturers



INVESTIGATIONS

discovers in real time or on investigation: accomplices, front names, thefts and offences



SCNTT

for reporting stolen vehicles, cloned, lost or investigated license plates



ANALYTICS

display in graphic form the multiple information of the license plate reading system



SHARING

connects and unites security officers by sharing alarms and information

Urban security, road control, integration, alarm reporting, traffic analysis, pollution analysis

CPS 5.0 boasts more than 10 years of experience and contributions from law enforcement agencies, guaranteeing a solution designed to meet the needs of those involved in prevention and safety inside and outside the territory.

It is an open and scalable software platform, more used and appreciated by the **Police** for the management of license plate reading gates, capable of integrating any third-party camera and also license plate reading gates of other manufacturers: a useful function for those who want to unify or centralise different systems or connect them to the Law Enforcement agencies for a more integrated urban security.

Thanks to its ingenious functionalities, the CPS is a cutting-edge tool, which makes the work of the Police quick and decisive, thanks also to **intelligent video analysis algorithms**.



CPS 5.0

It is considered by operators for Urban Security and Installers to be the most complete and versatile software on the market for managing license plate reading gates for the **Police**, **because:**

- **it is the most powerful and rich in functions**
- **it is the first to integrate AI algorithms**
- **it is the most used by the Police**
 - *It's user-friendly*
- **it offers great performance**
- **it is an open system**
- **it is the most reliable**
- **it is the cheapest and exempt from renewal fees**

ISD10003 certification

PRIVACY by default - PRIVACY by design

The CPS is the most modern tool to manage license plate reading gates, which integrates **Artificial Intelligence** algorithms (with an accuracy of over 93% and response times of less than 500 millisec.), which allow you, from "analysis of the images coming from the Selea OCR cameras (*model TARGA 205, 704, 750 and 805*), to recognise the BRAND, MODEL, COLOUR and CLASS of the vehicles, so as to guarantee economic **savings** without giving up an effective *identification, investigation and crime prevention*.

Thanks to an advanced and intuitive graphic interface, the CPS facilitates the task of managing, searching, extrapolating data and **analysing traffic, environmental classes and PM 2.5/10 pollution** (where the sensor is provided).

As a demonstration of the care and attention paid in the development of this platform, the CPS *was the first solution* on the market to be **certified ISDP10003** or designed to comply with all the requirements of the GDPR regarding Data protection and designed according to the principle of *privacy by design and privacy by default*.

N.B.- The update of the CPS, from the previous versions, to the new CPS 5.0 version is totally FREE.





Functionality 5.0



CPS MONITOR

To display transits, receive reports, alarms, carry out research or statistical and traffic analysis



LICENSE PLATE RECOGNITION CAMERAS

Module for integrating ANPR-OCR number plate reading cameras made by other manufacturers into the CPS platform.



OCR SYSTEMS INTEGRATION

Special plug-in useful for **connecting** the license plate reading systems (gates) of different brands, scattered throughout the territory, so that the Security Operators and the Law Enforcement can exploit these **resources distributed throughout the territory**, aggregating them together for prevention of crimes and the suppression of crimes. **The peculiarity** of this solution is that it neither interferes nor replaces the existing license plate reading software solution in use in the individual municipalities. It simply integrates for data exchange. In other words, it functions as a "collector" of the license plate reading gates.



MAKE & MODEL

Deep learning module (video analysis) for recognising the make and model of the vehicles from the images taken by the cameras. The algorithm has been trained to recognize over **9000 vehicle models** and more than **400 car manufacturers** with an accuracy of **over 95%** and a response time of less than 0.3 sec. This function can be applied to all OCR cameras for license plate reading, including those of third parties.



VEHICLE COLOUR & CLASS

Video analysis algorithm (deep learning) for the recognition of vehicle colour and class. The algorithm is trained to recognize **12 vehicle colour** and **11 vehicle classes**, with **accuracy up to 93%** ⁽¹⁾ and response times of less than **0.5 sec**. The colour and class data are associated with those of the license plate for a complete retrieval of vehicle information. This function is applicable only to Selea OCR cameras for reading plates with integrated context sensor and without video analysis on the camera.



DATABASES

Optional module to connect Law Enforcement and government databases to CPS, which allows the operators to receive alerts in real time for any kind of information, such as the transits of stolen or uninsured vehicles or those under investigation, foreign number plates, etc.



SELEA BOT - POLICE COMUNICATION

In the hands of the Police, it is the most effective tool available for receiving information **in real time** about **critical events** concerning public safety. The Selea Telegram Bot (usable with Windows, Linux, Android, iOS) transforms any type of mobile phone, tablet or portable PC into an audible and visual signalling device for critical events, using a secure and encrypted connection between Police, and Investigative Units to provide an integrated urban video surveillance system. Unlike all other Bots, it does not leave any trace of data and images on remote servers, not even on the Telegram server.



PLUG-IN

Selea has developed and develops plugins that allow the integration of the CPS within the VMS video surveillance platforms of the major manufacturers on the market such as Milestone Systems, Genetec, Exacq and Qnap. The Plug-in allows, in real time, to associate a "bookmark" to the recorded video stream to the passage of a license plate / code, so as to be able to review (by typing in the license plate number / code) the video clip relating to the transit of that specific vehicle.



TUTOR

Module for estimating the average speed of one or more vehicles between one entrance point and another. Useful for traffic analysis and evaluation of journey times in a section of road.



context sensor - optional



URBAN SECURITY

TARGA 704

S I N G L E - L A N E



HIGH SPEED

equipped with a high frame rate OCR sensor for high speed reading



PLATES + KEMLER

OCR reading of license plates and ADR tables of vehicles transporting dangerous goods



ACCESS CONTROL

for heavy vehicles, airports, company ports and on weighbridges

N.B.*- By applying the 5 Mpx D8 or D12 contextual sensor option, the **E-CPSMEMVA** video analysis on **CPS** will be included in the price.

ISD10003 certification

PRIVACY by default - PRIVACY by design

TCP/IP camera for number plate (ANPR) and ADR dangerous goods plate recognition (KEMLER-UN) fitted with a varifocal lens for adjusting the field of view, making installation faster and easier. It is suitable for public safety and access control systems for restricted areas such as airports, shopping centres, critical areas.

Featuring an integrated triple OCR with unequalled plate reading capability, this UNI 10772:2016 certified in class A camera has 100% accuracy for front, rear, two-line, motorcycle and moped number plates. As such, it is particularly well suited to monitoring a given territory while keeping costs low.

It is possible to integrate a second (optional) high resolution colour sensor.

DUAL-LANE = DUAL-BENEFIT



URBAN SECURITY

TARGA 750

DUAL-LANE



HIGH SPEED

equipped with a high frame rate OCR sensor for high speed reading



COST SAVING

guarantees savings on installation costs and connection equipment



ACCESS CONTROL

for checking vehicles at wide transit areas

N.B.*- By applying the 5 Mpx **D8** or **D12** contextual sensor option, the E-CPSMEMVA video analysis **on** CPS will be included in the price.

ISD10003 certification

PRIVACY by default - PRIVACY by design

TCP/IP plate recognition camera for two-lane accesses (regional/local entrances and exits or ring roads) which is useful for public safety systems, but also suitable for controlling access in wide transit areas (≥ 7 m). The camera is fitted with a varifocal lens for adjusting the field of view that makes installation faster and easier.

The integrated OCR features unequalled number plate reading capability. UNI 10772:2016 certified in class A camera has 100% accuracy for front, rear, two-line, motorcycle and moped number plates.

The camera is also available with an integrated high resolution colour context sensor.

5 Mpx OCR + 5 Mpx panoramic colour sensor



URBAN SECURITY

TARGA 805

S I N G L E - L A N E

ISD10003 certification

PRIVACY by default - PRIVACY by design



DOUBLE SENSOR
equipped with a 5 Megapixel
OCR and colour CONTEXT
sensor



HIGH SPEED
equipped with a high frame
rate OCR sensor for high
speed reading



PLATES + KEMLER
OCR reading of license plates
and ADR tables of vehicles
transporting dangerous
goods

License plate recognition camera (ANPR) and Dangerous goods (KEMLER-ONU) characterised by a high resolution, using a double eye: a 5 Megapixel one, specialised for reading license plates and dangerous goods, and a second colour sensor, from 5 Megapixel, for a photograph of the context or for recording a pre/post vehicle passage event.

The camera is UNI10772:2019 certified in class A with 100% accuracy on front, rear, two-line, motorcycle and moped license plates.

Using the video analysis of BRAND, MODEL, TYPE, COLOUR and ENVIRONMENTAL CLASS of the **CPS 5.0** software, it is possible to create intelligent license plate reading gates, useful for the prevention and repression of crimes.



5 Mpixel OCR + 5 Mpixel colour context



URBAN SECURITY



TARGA 850

DUAL-LANE-WITH-VIDEO-ANALYSIS

ISD10003 certification

PRIVACY by default - PRIVACY by design



VIDEO ANALYSIS

video analysis algorithms for brand, model, type, colour and class recognition



DOUBLE SENSOR

equipped with a 5 Megapixel OCR and colour CONTEXT sensor



HIGH SPEED

equipped with a high frame rate OCR sensor for high speed reading



PLATES + KEMLER

OCR reading of license plates and ADR tables of vehicles transporting dangerous goods



TARGA 850 is the most advanced you can ask for, in the era of big data, from a license plate reading camera to create a city video surveillance system.

It boasts recognition of **31 vehicle types**, **16 colour classes**, more than **9000 vehicle models** with **93% higher accuracy**. All data are perfectly associated with the recognised vehicle license plate and not, as in other cameras, not correlated.

The camera is characterised by an unsurpassed reading accuracy, certified UNI 10772:2019 **in class A** with 100% accuracy (on front, rear, two-line, motorbike and moped license plates).

The camera is equipped with a double high resolution sensor: one 5 Megapixel specialised for OCR reading of license plates and dangerous goods and a second 5 Megapixel colour sensor for a panoramic view of the event.



URBAN SECURITY

TARGA 205

S I N G L E - L A N E

ISD10003 certification

PRIVACY by default - PRIVACY by design



DUAL SENSOR

2 Mpx OCR sensor for license plate reading+5Mpx colour sensor for high-res context pictures



COST SAVING

solution that offers excellent performance at low costs



AVERAGE SPEED

Suitable for both entry and exit gates and for vehicular control within the city circuit.

TCP/IP number plate reading camera (ANPR) with an embedded OCR algorithm. This is a number plate reading product designed for use in towns. It is particularly suitable for those looking for an economic but professional solution with proven reliability and reading accuracy, even for number plates that are extremely difficult to read (dirty, crumpled, damaged etc.).

The camera is fitted with a double sensor: one is dedicated to OCR and the other is a high resolution colour sensor for capturing context. The camera is UNI 10772:2016 certified class A with 100% accuracy for front, rear, two-line, motorcycle and moped number plates. As such, it is particularly well suited to monitoring a given territory while keeping costs low.

TARGA 205 is a camera suitable for urban and regional traffic monitoring and for controlling access to restricted areas such as Ports, Airports, Shopping centres and Business premises.



Legend	TARGA 704	TARGA 750	TARGA 805	TARGA 850	TARGA 205
✓ = included (built-in)					
■ = optional (on request)					
CPS = function processed by the CPS modules (optional)					
empty space = unavailable					
Lanes	1	Dual lane	1	Dual lane	1
Built-in OCR sensor	2 Mpx	3.2 Mpx	5 Mpx	5 Mpx	2 Mpx
5 MPX colour panoramic sensor	■	■	✓	✓	✓
Dangerous goods tables reading (Kemler-ONU)	✓	✓	✓	✓	
Nationality recognition	✓	✓	✓	✓	✓
Speed detection (on board)				✓	
Vehicle type recognition (on board)	CPS	CPS	CPS	✓	CPS
Colour recognition (on board)	CPS	CPS	CPS	✓	CPS
Make & Model recognition (on board)	CPS	CPS	CPS	✓	CPS
Memory expansion ports	✓	✓	✓	✓	
Interface for PM2.5 and PM10 fine dust sensor	✓	✓	✓	✓	
White/Black list storage and backup	✓	✓	✓	✓	
POE+ power supply with power injector	■	■	■	■	■



CERTIFICATION DATA Protection solution

Privacy-by-design e Privacy-by-default



What ISDP10003: 2018 means

This voluntary certification is accredited by Accredia to ensure GDPR compliance. It provides the principles and requirements (Annex) for a full evaluation of the compliance of internal processes in relation to personal data protection with a special focus on risk management.

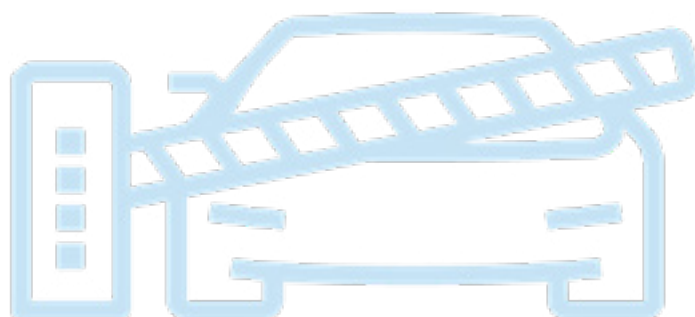
What it certifies

It certifies that SELEA's Hardware and Software products of the TARGA-CPS line (Software CPS, TARGA series cameras, APP and TELEGRAM BOT) have obtained a Data Protection Conformity Certification according to the European guidelines of the General Data Protection Regulation (EU) 2016/679. The Certificate was released in compliance with the requirements of ISDP©10003:2018 – Requisites and control regulations for the certification of personal data processing regarding the assessment of compliance with the rights of individuals and the free movement of data.

What the advantages are

There are numerous advantages of using a Selea product that is ISDP10003 GDPR 2016/679 certified, including:

- Accountability of the data controller according to 2016/679
- Integration with mandatory data protection impact assessments (DPIA) for Public Administration
- Contributes to data processing compliance with the GDPR and its correct integration when drawing up data protection impact assessments (**DPIA**) – art. 35 of Regulation No.2016/679/EU, which is mandatory for Public Administration and for the integration of secure, documented and standardized data processing procedures.



Products for ACCESS CONTROL



SOFTWARE SOLUTION



PAM



PARKING MANAGEMENT

useful solution for the management of both private and public or residential car parks



CONTROL

PAM, linked to the MULTICAM software, allows visual control of whoever enters



CCTV

standard video surveillance cameras can be connected



DATE-TIME

it is possible to set the permit conditions on a period and on an hourly basis



COUNTING

allows you to view the number of vehicles present and the spaces still available



MULTI-USER

even if the PAM is centralised, it is possible to operate from several remote locations

For private, public, corporate, residential, camping, hotel car parks

PAM (Park Access Module) is a Multicam module designed to manage parking spaces in private car parks, paid car parks and residential or municipal car parks.

This module is useful for anyone who wishes to implement an administration and access control system with the option to manage permits and time slots, calculate the cost of a stay, or manage parking spaces for VIP customers, family groups, campsites, serviced apartments, hotels and companies.

PAM is able to manage special categories of vehicles such as ambulances, law enforcement vehicles, vehicles belonging to suppliers or special customers who can enter automatically regardless of the time slot settings, available parking spaces or other limitations.



ACCESS CONTROL

iZero™



POE
802.3AF



RELAY
1A - 30 VDC



Rs232-485
wiegand-osdp



PARKING FACILITIES

to manage and monitor access to parking spaces in garages and car parks



INDUSTRY

to control access to business or commercial facilities



HOTELS

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers



SERVICED APARTMENTS

to manage parking spaces available for family members in residential complexes



CAMPING

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers

The iZERO is a TCP/IP license plate reading camera (ANPR) available both in the **column** version and in the compact **box** version. It is an access control product for low speed vehicles (up to 20Km/h) suitable for those looking for a professional solution, with unsurpassed reliability and reading accuracy (99.8%) even with critical number plates (dirty, worn, damaged).

One of the advantages that this solution offers is its extreme simplicity of installation as it does not have any optical adjustments. While only one version is available in the Box version (see summary table on page 17), the column version is available in two different versions: ENTRY and FULL. The latter is complete with internal memory and interface for integration with the most popular access control systems such as those of Skidata, Faac, Hub Parking, Siemens, Honeywell, and several others.

Characterised by a refined design, the iZero is highly appreciated in prestigious structures, where high reliability, precision, but also aesthetics and design are required.



TARGA 512



POE
802.3AF



RELAY
1A - 30 VDC



RS232-485
wiegand-osdp



ACCESS CONTROL



PARKING FACILITIES

to manage and monitor access to parking spaces in garages and car parks



INDUSTRY

to control access to business or commercial facilities



HOTELS

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers



SERVICED APARTMENTS

to manage parking spaces available for family members in residential complexes



CAMPING

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers

SKIDATA FAAC SIEMENS HUB Honeywell

The Targa 512 camera is a TCP/IP license plate reading device (ANPR), suitable for access control for vehicles at speeds up to 50Km/h and is suitable for those looking for a professional solution to be installed on a pole.

The camera is equipped with an internal memory to contain the license plate numbers that have allowed entry (white list), a relay for the bar/gate opening command and optionally a panoramic context sensor for the colour recording of the vehicle. This allows the user to enable the opening of the bar (or gate) without a network connection or to any management computer.

The camera is however equipped with a network and communication interface to integrate with the most popular access control protocols such as Skidata, Faac, Siemens, Hub Parking, Honeywell, and several others.

TARGA 512 is equipped with a fixed focal length and therefore does not require any optical calibration.



SKIDATA FAAC SIEMENS HUB Honeywell

TARGA 504



POE
802.3AF



RELAY
1A - 30 VDC



Rs232-485
wiegand-osdp



ACCESS CONTROL



PARKING FACILITIES

to manage and monitor access to parking spaces in garages and car parks



INDUSTRY

to control access to business or commercial facilities



HOTELS

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers



SERVICED APARTMENTS

to manage parking spaces available for family members in residential complexes



CAMPING

to provide automated access for employees and suppliers, and grant access to parking spaces reserved for customers

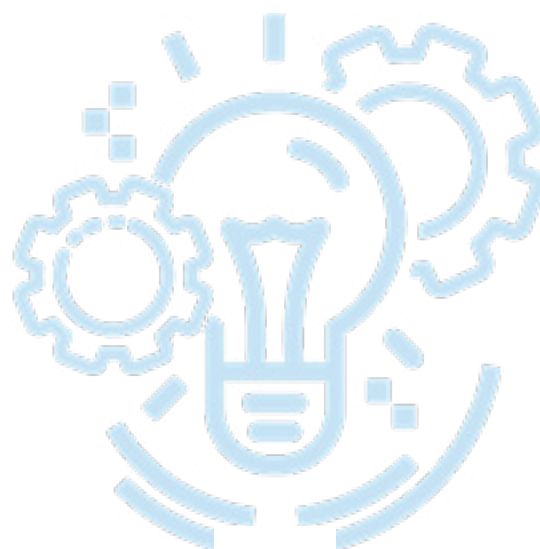
The Targa 504 camera is a TCP/IP license plate reading device (ANPR), suitable for access control for vehicles at speeds up to 50Km/h and is suitable for those looking for a professional solution to be installed on a pole in possession of an optical lens adjustable 5-55mm (10x zoom) to adapt it to different installation conditions and distances.

The camera is equipped with an internal memory to contain the license plate numbers that have allowed entry (white list), a relay for the bar/gate opening command and optionally a panoramic context sensor for the colour recording of the vehicle. This allows the user to enable the opening of the bar (or gate) without a network connection or to any management computer.

The camera is however equipped with a network and communication interface to integrate with the most popular access control protocols such as Skidata, Faac, Siemens, Hub Parking, Honeywell, and several others.



Legend ✓ = included (built-in) ■ = optional (on request) empty space = unavailable	iZero			TARGA 512	TARGA 504
	BOX Full	COLUMN Entry/8	COLUMN Full/8		
Built-in OCR sensor	✓	✓	✓	✓	✓
Standard OCR lens Focus (FF=fixed focus; VF=varifocal) - Mount type	12 mm FF-CS	3.6/8 mm FF-CS	3.6/8 mm FF-CS	8/16 mm FF-CS	5~55 mm VF-CS
Average reading distance (min - max) NB: distances vary considerably depending on both the size of the plates and the positioning of the camera (front or side)	2.5~6m	1.2~3.5m/ 1.5~4m	1.2~3.5m/ 1.5~4m	1.5~4m/ 3~8m	3~10m
Additional context sensor					■
MicroSD memory for backup and white lists	✓		✓	✓	✓
Memory expansion ports for up to 1 TB				✓	✓
RS232-485 interface	✓		✓	✓	✓
Wiegand interface	✓		✓	■	■
OSDP interface (Siemens)			■	■	■
POE+ 802.3at power supply	✓		✓		■
230 Vac power supply		■	■		✓
12 Vdc power supply	✓	✓	✓	✓	



Products SPECIAL



CERTIFIED AISI316L HOUSING



ROAD SAFETY



CORROSION RESISTANT
Certified AISI316L housing
for protection against
corrosion



DIRT RESISTANT
tubular protection to prevent
corrosive dust from adhering
to the glass



3 AXES
the camera can be adjusted
even when mounted on
curved or non-vertical walls

TARGA INOX

HOUSING FOR CORROSIVE ENVIRONMENTS

Access control for chemical, industrial, port and airport companies,
marine environments and tunnels

Airports
Smart city

TARGA INOX is a corrosion-resistant stainless steel case, AISI316L-certified, where cameras for reading license plates (ANPR) and ADR dangerous goods labels (KEMLER-ONU), like Targa 704, 750 and 805, can be housed. The stainless steel case is recommended for all those applications where chemical agents, which are dangerous for the life of the camera, are present, such as maritime environments, tunnels or the chemical industry.

The camera can be fitted with our 'clean glass' protection system to prevent the build-up of dust on the glass, which is particularly important when installed in tunnels. This reduces the number of maintenance interventions and costs for cameras located in tunnels.

The camera is fitted with a special joint that enables it to move in all three planes, making it easy to adjust even when installed on vaulted roofs.



PORT SECURITY

TARGA 704ILB

Reading of containers for port and airport areas

ISD10003 certification

PRIVACY by default - PRIVACY by design



HIGH PRECISION

reading accuracy higher than 99.8% on millions of container read.



ILU-BIC

rear code reading and codes placed above the container



DOUBLE SENSOR

equipped with OCR sensor and CONTEXT 5 megapixel colour sensor (optional)

Those who work in the field of container reading know that precision is the cornerstone for an automated loading and unloading control system. For this reason we must rely on those who have made precision their reason for existing.

Targa704ILB is the IP camera (OCR), specialised in reading container codes (ILU-BIC), characterised by high reading accuracy, without the aid of external synchronisation devices.

TARGA704ILB has proved very useful in simplifying the process of traceability of goods, automating the process of loading / unloading of containers, replacing the manual transcription of data, in an automated process without errors. A product aimed at the port and airport sector.



URBAN SECURITY

MSSP SOFTWARE



OPEN

for integrating ONVIF-standard IP cameras of any make or model



MULTI-USERS

manage views and usage permissions for users or groups of users



COMMUNICATION

Transmission, of the alarms and of the cameras involved both on maps and on monitors



WINDOWS

runs as a service on the Windows operating system

MVR is a video recording software, able to manage Onvif IP cameras - RTP/RTSP. Simple and intuitive solution, designed for those who want to create a video surveillance system without too many frills. Easy to configure and use, complete in its functions with display on multiple monitors, maps, alarm management, recovery of video clips etc ..., like a real control room for recording, viewing and communication.

MVR is a multi-user and multi-platform software capable of dividing the workload on multiple computers connected to the network, operating as if it were a single Server.

MVR operates as a service on the Windows operating system. This allows it to remain separate from image viewing platforms and system blocks.

MVR allows you to check the occupied bandwidth, the CPU commitment of the server on which it is operating, the number of connected users and all the logs made for immediate security management

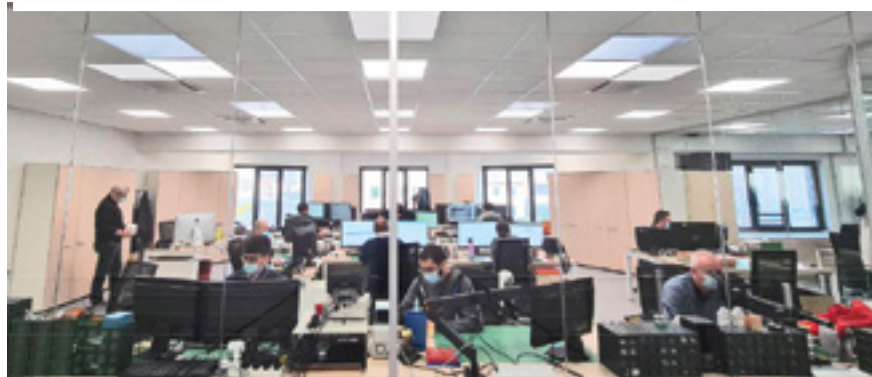
HEADQUARTER

Via Aldo Moro, 69
46019 Cicognara (MN)
Tel +39 0375 88.90.91
Fax +39 0375 889080

infocom@selea.com
www.selea.com



- HARDWARE MANUFACTURING
- SOFTWARE DEVELOPMENT
- IN-HOUSE RESEARCH & DEVELOPMENT
- 100% MADE in ITALY by SELEA



About Us



SELEA is specialized in the manufacture of number plate reading solutions, both for vehicle access control and for territorial security and traffic control. All of our products are developed and manufactured entirely in Italy. This means that our customers benefit from continuous and comprehensive technical support.

SELEA - EXPAND YOUR SENSES

SUPPORT

We provide both a pre-sales and after-sales technical support service to customers.

Training



VIDEOS

Free detailed videos about SELEA products and solutions.



CLASSROOM

Training and update courses at the Selea head office.



WEBINARS

Video conference training courses provided by technical personnel.

WHERE TO BUY

Selea has a network of authorised Distributors throughout the country with whom it establishes design and market protection policies.