

TARGA 706ILB

ILU-BIC Container Code
Reading Solution



2 Mpx
Night Vision



2.3 Mpx
Global Shutter



NVIDIA
Platform



16 GB
Memory



POE+
optional



I/O
Serial



CERTIFIED
ISDP10003
Privacy by design

COMPLIANCE
NDAA
Cyber Security

WARRANTY
5 YEARS

Dual-lens camera (OCR and context) specialised in ILU-BIC container code recognition (*rear and above*): solution for automation and cargo control in ports and access control.

The feature of this camera is its extremely high reading accuracy, measured on the reading of millions of containers and capable of guaranteeing an accuracy greater than 99.8%.

The camera is equipped with a 2.3 Mpx OCR Global Shutter sensor, with a 5-55mm varifocal lens (10x zoom) and a 2 Mpx Sony Night Vision high-sensitivity colour context sensor with an 8 or 12 mm fixed lens.

The camera can be powered in **POE+** or low voltage via the available option.

Selea service for the installation of the entire system.

HARDWARE FEATURES OF THE CAMERA

Sensor	
OCR sensor	2.3 Megapixel, Global Shutter, CMOS B/N, frame rate of 60 Fps
Context colour sensor	2 Megapixel color Night Vision CMOS with high sensitivity
Lens	
OCR lens	5 ~ 55 mm varifocal lens with F1.4 and C/CS mount.
Context lens	8 mm or 12mm fixed focus lens with IR filter for panoramic view.
IR Illuminator	
Pulsed light IR Illuminator	n.12 high power 820 nm/47° IR LEDs (940 nm on request) that are compliant with the EN62471:2008 standard on photobiological safety.
Internal memory	
Typology and expandability	<ul style="list-style-type: none"> • built-in -> 16 GB High Endurance (-40° ~ + 85°C) industrial microSD SLC memory card (expandable on request up to 256 GB of MLC type). • The memory can be expanded using the USB interface provided to connect storage disks of high capacity currently available on the market (≤ 1TB - optional)
Input/Output	
Input	<ul style="list-style-type: none"> • n.2 digital inputs
Output	<ul style="list-style-type: none"> • n.1 RS232 - RS485 interface • n.1 10mA 5-12 Vdc opto-isolated output • n.1 0.3A - 125 Vac, 1A 30 Vdc volt-free contact relays
Ports	
USB	n.2 USB 3.1 ports
Ethernet	10/100/1000 Mbps LAN
Power supply	
Power supplies	<ul style="list-style-type: none"> • 230 Vac power supply • 10 ~ 32 Vdc (optional) • POE+ power supply including high power injector (optional)
Absorbed power	18 Watt max
Inbuilt protection	
The camera is protected against:	<ul style="list-style-type: none"> • reverse polarity. • voltage fluctuations greater than 30 Vdc. • overloads with thermal protection. • overvoltages (TVS) on USB and Ethernet ports.

HARDWARE FEATURES OF THE CAMERA

Certifications

Data security	<ul style="list-style-type: none"> ISDP10003:2020 - <i>Privacy by Default & Privacy by Design</i>
---------------	--

Standards

Respected standards	<ul style="list-style-type: none"> EN62471 EN55032 EN55035 EN61000 EN62368-1 EN60529 EN62262 EN60068 EN60721 European standard RoHS2 - 2011/65/UE
---------------------	---

General

Operating temperature	From -40°C to +65 °C without the need of fans or heaters.
Protection rating	Standard IP68 and IK10
Dimension (mm)	L=165 : H=122; D=470
Weight	3 Kg

SOFTWARE FEATURES OF THE CAMERA

Embedded algorithms

Standard built-in functions	<ul style="list-style-type: none"> • ILU-BIC container codes (OCR) • Fog-Fighter (reading container codes in the fog)
-----------------------------	---

Data communications

Integrated webserver	<ul style="list-style-type: none"> • Onvif communication protocol. • Save data directly to local server or remote NAS. • Integration with third party VMS software solutions. • Synchronized recording of metadata and container codes. • Dynamic creation and updating of multiple lists (black/white). • Multiple action alarm management. • Differentiated alarms for each type of infringement. • Double FTP and/or TCP/IP server.
Protocols	TCP/IP, UDP, HTTP, HTTPS, FTP, FTPS, RTP/RTSP, DHCP, SNMP.
Other integrated protocols	MODBUS

Data security

Data protection	<ul style="list-style-type: none"> • HTTPS encryption. • FTPS (FTP over TLS/SSL) encryption. • Micro SD memory encryption. • Automatic deletion of data and images after specified period of time (privacy management). • AES256 Advanced Encryption Standard. • SHA2 Secure Hash Algorithm 2.
-----------------	--

Video output

OCR sensor	2.3 Megapixel Jpeg images and HD RTP/RTSP video stream with MPEG4, H264 and H265 encoding.
Context sensor	Images and RTP/RTSP or HTTP video stream with MPEG4, H264 and H265 encoding.

SOFTWARE FEATURES OF THE CAMERA

Functionality

Operating system	<ul style="list-style-type: none"> Linux Embedded
Standard built-in functions	<ul style="list-style-type: none"> Embedded FPGA video signal processing. Double FTP server and double IP notification server. Dynamic FTP notification forwarding customization. IP notification customization. Multiple user management using HTTPS protocol protected access credentials for accessing the camera. List management (white/black, no list) with independent actions for each list. Synchronized recording of metadata and container codes images. Integration and saving of context camera images. Privacy management with automatic deletion of image data after a specified period of time. Integration with third party VMS video surveillance software solutions. Save data on a local server or remote NAS. HTTPS security management. FTPS (FTP over TLS/SSL) security management. E-mail forwarding security using TLS/SSL protocol. Multiple action alarm management. Live and check control function for checking the operation of the entire system. Synchronization of date and time via NTP, IEEE1588 protocol. Possibility of updating firmware from a web page.

Accuracy

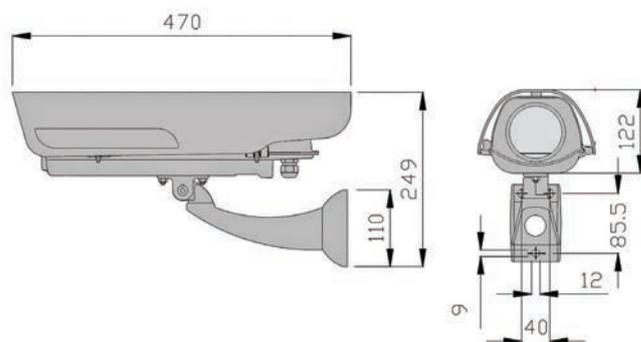
OCR accuracy	<ul style="list-style-type: none"> Up to 99% of all readings, in all conditions, with the vehicle stationary.
--------------	--

Installation

Installation	<ul style="list-style-type: none"> At the side: recommended reading distance = 10~15 m; Mounting height = 4 m; Lane width = 5 m. Centrally: recommended reading distance = 10~15 m; Mounting height = 6 m; Lane width = 5 m. Reading the code from above: Height from container = 8 m.
--------------	---

ACCESSORIES

B	10 to 32 Vdc power supply
T	PoE+ (Power Over Ethernet Plus) power supply including high power injector.
E-ASSGEN	E-ASSGEN - Remotely managed support with the system engineer for the configuration and correct installation of the system (mandatory cost item with the purchase of the product code J-T760ILB)



About us

SELEA manufactures and implements solutions both for vehicle access control, as well as for territorial safety and traffic control. Each hardware and software product is rigorously designed and manufactured by Selea and this means, for the customer, to benefit from complete and continuous technical support at any time.

Selea Srl

Via Aldo Moro, 69
46019 Cicognara (MN)
PIVA 01811290202
Tel +39 0375 88.90.91
Fax +39 0375 88.90.80
www.selea.com
infocom@selea.com

- LPR **CAMERA** PRODUCTION
- **SOFTWARE** DEVELOPMENT
- INTERNAL RESEARCH & DEVELOPMENT
- 100% MADE IN SELEA

madeinitaly

