

**CONTAINER
READING**

CERTIFIED

Privacy by Design
and Privacy by Default

ISDP 10003

NDAA
compliant



PORT
SECURITY

TARGA 706ILB

ILU - BIC CONTAINER READING



99,8%

the code container
reading accuracy

2

the built-in sensors
OCR+ context

Targa 706ILB is the IP camera (OCR) specialised in reading container codes (ILU-BIC) characterised by high reading accuracy, without the aid of external synchronisation devices. It is perfect for speeding up the goods track & trace process, automating the container loading/unloading process, and replacing data transcription, which usually takes place manually. A product aimed at the port and airport sector.

HARDWARE FEATURES OF THE CAMERA

Sensor

OCR sensor	2 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.
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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)
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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 • 24 Vdc on request or POE+ (option T)
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.
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HARDWARE FEATURES OF THE CAMERA

Certifications

Data security	<ul style="list-style-type: none"> ISDP10003:2018 - <i>Privacy by Default & Privacy by Design</i>
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Standards

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

Operating temperature	From -40°C to +65 °C without the need of fans or heaters.
Protection rating	Standard IP66 (on request IP67 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)
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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.
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Protocols	TCP/IP, UDP, HTTP, HTTPS, FTP, FTPS, RTP/RTSP, DHCP.
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Other integrated protocols	MODBUS
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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.
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Video output

OCR sensor	2 Megapixel Jpeg images and HD RTP/RTSP video stream with MPEG4, H264 and H265 encoding.
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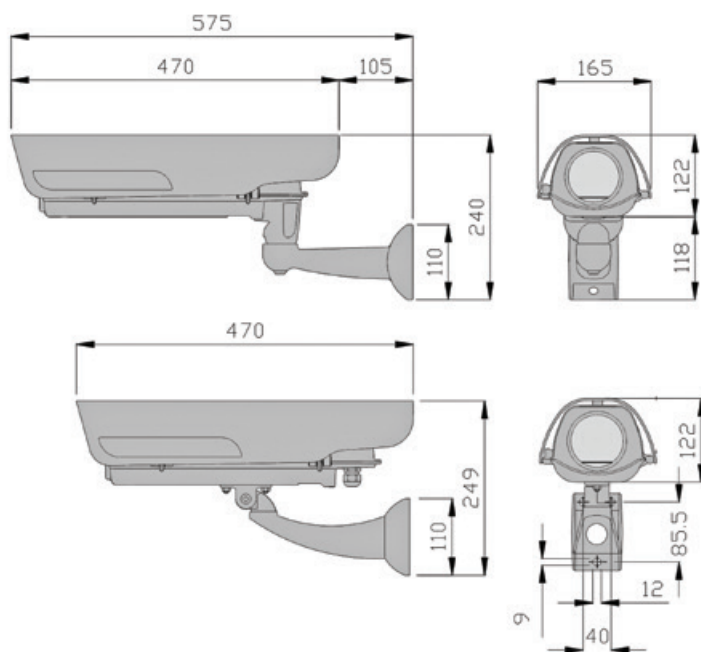
Context sensor	Images and RTP/RTSP or HTTP video stream with MPEG4, H264 and H265 encoding.
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SOFTWARE FEATURES OF THE CAMERA

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 99,8% 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	Power converter (10 to 32 Vdc).
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 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.

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