Sensors, Safety and Identification
Datalogic and OEM; partners in cutting edge products

Datalogic; leaders in Sensor technology

OEM Automatic Ltd are Datalogic’s UK distributor for sensors and safety products.

With more than 40 years of experience Datalogic is the market leader in Italy for photoelectric sensors, safety light curtains, and identification products ranking them among the top-10 manufacturers in Europe by market share.*

* (source: based on VDC 2010 - 2011)

Excellence in automation

OEM Automatic UK markets and sells components for industrial automation, currently representing approximately 50 leading suppliers and acting as their local sales organisation in the UK.

Customers come from all sectors of industrial automation and include machine builders, control panel builders, system integrators and selected strategic distributors.

**FACTS: OEM Automatic UK**
- Founded in 1989
- Turnover 2013: Approx £10M
- More than 2000 customers
- Approx. 50 suppliers
- Four business areas

- Barcode readers
- Connection systems
- Encoders
- Inductive sensors
- Non-contact safety switches
- Photoelectric safety barriers
- Photosensors
- Rubber safe edge
- Safety relays
- Switches & microswitches
- Ultrasonic sensors

Machine & Safety business area

This business area provides smart solutions to sensing and position control applications and is proud to incorporate the Datalogic portfolio within its product offering.

Photosensors, encoders, barcode readers, connection systems and machine & safety form the heart of this business area.
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Inductive proximity sensors

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Contrast and luminescence sensors

Temperature controllers for heat-sealing and thermo-forming applications

Safety light curtains for finger, hand and body protection

De-palletising

Washing

Filling

Capping

Labelling

Processing

Vertical form fill & seal
Dimensional sensors for height/width measurement and object positioning

TOF distance sensors for measurement and object positioning

Safety light curtains for body protection with muting function
## General purpose photoelectric sensors

### Subminiature sensors

**SM-All**

The smallest photoelectric sensor with all universal optic functions.
Detection of hard to reach objects or in reduced spaces.

### TECHNICAL DATA

- Fixed focus proximity 15, 20, 30, 50cm
- Retroreflex 1.5m and polarised 1m
- Through-beam 2m
- NPN or PNP version with NO-NC outputs
- 4 wires connection with 2m cable
- IP 67 plastic subminiature case

### APPLICATION

- Processing and packaging machinery
- Electronics assembling
- Small appliance and vending machines

### Miniature sensors

**S3Z**

High performance in standardised miniature housing.
Replaces larger sensors and fits in limited space in smaller machinery.

### TECHNICAL DATA

- Diffuse proximity 15 or 70cm
- Background suppression red LED or laser 50-300mm
- Polarisred RX 4m, coaxial for transparent 2m, laser 10m
- Through-beam 15m and laser 30m
- 3 wires connection with 2m cable or M8 connector
- IP 67 plastic miniature case
- Fixing holes on front side (Far-East standard)

### APPLICATION

- Processing and packaging machinery
- Electronics assembling
- Small machinery and access control

### Miniature sensors

**S40/S41**

Product portfolio ranges from the cost effective S41 up to the high performing S40 in mini size cases.
Space and cost saving, even with high performance models.

### TECHNICAL DATA

- Diffuse proximity 35cm and laser 15cm
- Background suppression 15-100mm, laser 20-60mm
- Polarisred RX 2.5m, coaxial for transparent 1m
- Through-beam 6m
- NO-NC outputs with 2m cable or M8 connector
- IP 67 plastic miniature case
- Fixing holes on back side (European standard)

### APPLICATION

- Processing and packaging machinery
- Conveyor lines, material handling
- Automated warehousing

### Compact sensors

**S8**

Extremely high performance.
Solves difficult detection applications (i.e. target objects that have been too small, too fast, too clear, too shiny).

### TECHNICAL DATA

- Background suppression 50-300mm, laser 20-200mm
- Background suppression for transparent objects with reflective background
- Polarisred RX 5m, laser 10m, coaxial for transparent 2m
- RGB contrast sensor 6-12 mm, 10 kHz switch. freq.
- NO-NC outputs with 2m cable or M8 connector
- IP 67 plastic case and IP69K stainless steel version
- Ecocert and Diversey certification industrial detergents

### APPLICATION

- Processing and packaging machinery
- Food and beverage Industry
- Cosmetic and pharmaceutical industry
- Electronics assembling

### Compact sensors

**S62**

50 x 50mm standard general purpose sensor with improved performance and pricing.
Standardisation of the same 50 x 50mm housing, mounting holes, installation, wiring, for all optic functions.

### TECHNICAL DATA

- Diffuse proximity 90 or 200cm, laser 90cm
- Background suppression 30, 60, 120, 200cm, laser 15, 35cm
- Retroreflex 13m, polarised 8m, laser 20m
- Through-beam 25m
- 10-30 Vdc version with NO-NC, NPN or PNP output
- Multivoltage 24-240Vac/24-60Vdc with relay output
- 2m cable or M12 rotatable connector

### APPLICATION

- Processing and packaging machinery
- Conveyor lines, material handling
- Automotive assembly, intra-logistics
General purpose photoelectric sensors

**Maxi sensors**

S300-PA/PR

Heavy duty, multi-voltage sensors with terminal block and internal relay.
Durability for integration in outdoor applications and harsh environments.

**TECHNICAL DATA**

- Diffuse proximity 2m (-PA), 5m (-PR)
- Background suppression 2m (-PA), 2.5m (-PR)
- Polarised retroflex 10m (-PA), 22m (-PR)
- Through-beam 50m (-PA), 60m (-PR)
- 10-30 Vdc version with NPN or PNP outputs
- Multivoltage with relay output and terminal block
- Configurable timing function for turn-ON/OFF delay

**APPLICATION**

- Packaging end of line, palletisers
- Outdoor or indoor gates control
- Manufacturing plants

**M18 tubular sensors**

S15

Short barrel plastic or IP69K protection stainless steel case.
Space and cost saving, performs in harsh environments including in the presence of water-jets and aggressive cleaning agents.

**TECHNICAL DATA**

- Diffuse proximity 10, 35, or 100cm, fix focus 5cm
- Background suppression 40-120 mm
- Retroreflex 5m, polarised 4m, for transparent 1m
- Through-beam 20m
- L/D input, 2m cable, M12 connector, or pig-tail version
- Plastic or IP69K stainless steel case
- Johnson Diversey certification for industrial detergents

**APPLICATION**

- Processing and packaging machinery
- Assembling and conveyor lines

**M18 tubular sensors**

S50/S51

Standardisation of the same M18 housing with mounting holes, installation and wiring for all optic functions. Further cost saving with S51 basic line.

**TECHNICAL DATA**

- Diffuse proximity 10, 40, or 70cm, and laser 35cm
- Fix-focus 100mm and background suppression 50-100mm
- Polarised RRX 4m, laser 16m, for transparent 1m
- Through-beam 20m and laser 60m
- Contrast sensor 10mm, luminescence sensor 20mm
- 2m cable or M12 connector with NO-NC outputs
- Axial or radial optics, plastic flat or metal M18 case

**APPLICATION**

- Processing and packaging machinery
- Assembling and conveyor lines
- Automatic material handling
- Automated warehousing

**Fibre optic amplifiers**

S7

High resolution, fibre optic sensor detection of small objects through fibre optic cable, even in confined spaces and high temperature environments. Installation of the sensor far from detection object.

**TECHNICAL DATA**

- Diffuse fibre optics 25, 50, 100nm
- Through-beam fibre optics 75, 150, 300mm
- Red or white LED emission for contrast detection
- 4-digit display and teach-in or trimmer setting
- 10 bits (1024 points) or 12 bits (4096 points) resolution
- Switching freq. 1kHz, fast 5kHz, ultra-fast 10kHz
- NPN or PNP output with 2m cable or M8 connector

**APPLICATION**

- Processing and packaging machinery
- Electronics assembling
- Pharmaceutical industry
Application sensors

Distance sensors
S80/81
Long distance sensor based on TOF (time of flight). Accurate controls based on a target object distance, and improved cost saving with S81 line.

TECHNICAL DATA
- Time of flight (TOF) sensor with red laser emission
- Range on target 0.3 - 7m (S80) or 0.3 - 4m (S81)
- Range on reflector 0.3 - 20m or 0.3 - 100m (S80)
- Repeatability <5mm on 7m (S80), 4mm on 4m (S81)
- NPN or PNP out, 4-20 mA analog output, RS-485 (S80)
- NPN or PNP out, 0-10 V analog output (S81)
- Teach-in setting and 4-digit display (S80 only)

APPLICATION
- Packaging end of line
- Paper reel unwinding control
- Automated warehousing
- Trans-elevator and crane positioning
- Automotive assembling lines
- Non-LFT measurement in logistics

Fork sensors
SR21
High-resolution, very fast response time. Execution of precise positioning, applying and printing of labels, even when integrated in fast machinery and process.

TECHNICAL DATA
- Slot width 2mm and depth 50mm for label detection
- Very fast 20 µs response time and 25 kHz switch. freq.
- IR LED emission for label detection on translucent reel
- Red/green LED emission for colour mark detection
- Auto-set for teach-in or dynamic threshold setting
- NPN and PNP outputs with M8 4-poles connector
- Compact and robust metal case with IP65 protection

APPLICATION
- Packaging and labelling machinery
- Print and apply systems

Contrast sensors
TL46
High resolution, white or RGB emission, very fast response time. Performs precisely in packaging machinery and synchronisation based mark detection, even when used in extremely fast processes.

TECHNICAL DATA
- Operating distance 6-12mm (80mm with acc. lens)
- Bright light emission with red, white, or RGB LED
- Mark/bkgd automatic, manual and dynamic setting
- Trimmer or teach-in setting with 4 digit display version
- Very fast switching frequency 15, 20 or 30 kHz
- Configurable NPN/PNP and 0-5 V analogue output
- Standard metal case with IP67 protection

APPLICATION
- Packaging and labelling machinery
- Food & beverage, cosmetic and pharmaceutical industries
- Printing machinery

Luminescence sensors
LD46
UV high power emission LED with high sensitivity. Precise packaging machinery synchronisation or material sorting and selection based on luminescent “invisible” mark detection.

TECHNICAL DATA
- High power UV light emission at 375 nm wavelength
- Operating distance 10-20, 20-40, or 30-50mm
- Teach-in setting and manual threshold adjustment
- 5 segments bar-graph for sensitivity level indication
- Fast response time 250 µs and switching freq. 2 kHz
- NPN and PNP outputs and 0-5 V analogue output
- Standard metal case with IP67 protection

APPLICATION
- Packaging and labelling machinery
- Food, cosmetic and pharmaceutical industries
- Ceramic tiles selection and sorting
- Wood working
### Application sensors

#### Area sensors

**AS1/DS1**

High resolution area sensor. Detection and measurement of small objects crossing the area, even in random positions.

**TECHNICAL DATA**

- AS1 area sensor for small object detection
- DS1 light array for small object measurement
- Minimum object detection Ø 6mm or flat 0.2 x 75mm
- Minimum measurement resolution 7mm or 4mm
- Heights ranging from 100mm (16 beams) to 300mm (48 beams)
- Standard distance 2m and long distance up to 4m
- PNP switching output and 0-10 V analog output

**APPLICATION**

- Processing and packaging machinery
- Food, cosmetic and pharmaceutical industries
- Electronics and mechanical assembling
- Conveyor lines and sorting systems

#### Dimensional sensors

**DS2**

Dimensional sensor with extended controlled heights. Set controls based on height or width measurement and object positioning.

**TECHNICAL DATA**

- Measurement light array with IR parallel beams
- Controlled heights from 150 to 2400mm (n x 150mm)
- Standard resolution 25mm, high resolution 6mm
- Standard distance 5m and long distance 10m
- PNP switching output with configurable function
- 0-10 V analog output with configurable function
- RS-485 or Ethernet port and graphic user interface

**APPLICATION**

- Secondary packaging eg. cartoners
- Automated vertical warehouses
- Automotive assembling eg. paint shop
- Non-LIFT measurement in logistics

### Inductive proximity

**IS**

Non-contact detection. Cost effective and reliable detection of any metal part.

**TECHNICAL DATA**

- Standard proximity M4, M5, M8, M12, M18, M30
- Double range (i.e. M12 4mm, M18 14mm, M30 20mm)
- Unshielded or shielded models for flush mounting
- Nickel brass or stainless steel short and long housing
- Ecolab and Diversey certification industrial detergents
- Multi-voltage, metal face, weld field immune models
- NO/NC, NPN or PNP output and programmable versions

**APPLICATION**

- Processing and packaging machinery
- Assembling and conveyor lines
- Metal working and machine tools

### Sensors accessories

**APPLICATION**

- High efficiency reflectors for longer operating distance
- Micro-prismatic reflectors for high resolution detection
- High temperature, extra-flexible, high efficiency fibres
- Fibre optics light array, fibre units with focusing lens
- Cables with axial or right angle M8 or M12 connectors
- Plastic support and metal bracket for sensor mounting
Vision sensors

Machine vision

DATA VS2

Machine vision is now closer than ever to photoelectric sensors thanks to DataVS2 series.

DataVS2 vision sensors feature a built-in illuminator and integrated optics to offer maximum compactness and installation simplicity.

The wide range of controls together with the easy-to-use graphical user interface allows the user to solve simple machine vision applications in a quick and effective way.

DataVS2 is available in four versions with different software features:

- DataVS2 object recognition (OBJ)
- DataVS2 advanced object recognition (AOR)
- DataVS2 identification (ID)
- DataVS2 professional (PRO)

DataVS2 is the right solution when standard photoelectric sensors are not able to meet application requirements and represents a cost-effective and easy-to-use alternative to traditional vision systems.

APPLICATION

- Logo check
- Product/part presence and orientation
- Label position
- Component counting
- Data & lot code presence

HIGHLIGHTS

- Wizard based configuration software
- Versatile PC setup and emulator functionality
- Ethernet communication capability
- 360° pattern match
- Barcode and datamatrix readers
- Monitoring and tuning available through a remote monitor (VSM) with no PC

Applications

DataVS2 is ideal for the control of text presence in overprinting and logo position on food packages, product completeness before packaging, logo position on cosmetic bottles, correct stamp on post envelopes, liquid level inside a plastic bottle, correct product orientation on a conveyor belt, barcode and datamatrix reading.
Vision sensors

Machine vision
DATA VS2 Software

Step 1: Image setup
The first step consists in connecting the sensor and configuring the image quality parameters. When the desired results are obtained, the user can memorise the image that will be used as a template during sensor functioning.

Step 2: Teach
The second step establishes the acceptance criteria to distinguish objects from wastes. One or more controls can be selected according to the task to carry-out.

Step 3: Run
The third step configures the sensor digital outputs, simulates sensor functioning on the PC to verify the controls chosen and activates the operating phase on the sensor using the PC only to control the diagnostics.
### Safety light curtains

**SG2/SG4 Base Line**

Finger and hand presence safety detection with basic functions. High reliability, easy installation and alignment, improved cost saving.

**TECHNICAL DATA**
- Safety type 2 (Pl=d, SIL2); safety type 4 (Pl=e, SIL3)
- Resolution: finger 14mm; hand 30mm; pres. 50/90mm
- Controlled heights from 150 to 1800mm (n x 150mm)
- Operating distance: finger 6m; hand 19m; pres. 9/19m
- Auto/manual restart; EDM; anti-interference coding
- Easy and cost effective standard M12 5-pole connector

**APPLICATION**
- Automatic machinery
- Metalworking, woodworking
- Manufacturing (textile, ceramics, etc)
- Material handling, assembling lines

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**SG4 Programmable**

Finger and hand safety detection with programmable functions. Extended flexibility that fits a diverse range of machine needs, with remote configuration or monitoring and configuration cloning features.

**TECHNICAL DATA**
- Programmable safety light curtain type 4 (Pl=e, SIL3)
- Resolution: finger 14 mm; hand 30 mm
- Controlled heights from 300 to 1800mm (n x 150mm)
- Operating distance: finger 7m; hand 20m
- Compact; no dead zone; up to 3 cascadable units
- Fully programmable: auto/manual restart, EDM, coding, muting (T/L, total/partial, with/without timeout, etc.), fixed/floating blanking; reduced resolution function
- Ethernet port, SG dongle and graphic user interface

**APPLICATION**
- Processing and packaging machines
- Automotive, metalworking, presses
- Manufacturing assembly lines

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**SG Body Compact**

Body safety protection and perimeter access control. High reliability, easy installation and alignment, improved cost savings.

**TECHNICAL DATA**
- 36 x 40mm standard compact profile
- 2, 3, 4 beams for body protection and access control
- Controlled heights 500, 800, 900, 1200mm
- Long operating distance up to 50m
- Dip-switch configuration of auto/man, EDM, coding
- Muting version with L or T integrated arms and lamp
- Easy and cost effective standard M12 connectors

**APPLICATION**
- Light palletiser/de-palletisers
- Conveyor lines
- Automated warehousing
- Manufacturing lines
Safety

Safety light curtains

SG Body Big
Body safety protection and perimeter access control.
Robust product with high reliability and easy installation.

TECHNICAL DATA
- 52 x 56mm profile with improved mechanical resistance
- 2, 3, 4 beams for body protection and access control
- Controlled heights 500, 800, 900, 1200mm
- Longer operating distance 60m
- Dip-switch configuration of auto/man, EDM, coding
- Muting version with integrated arms and top-lamp
- Reflector version with active unit and passive unit

APPLICATION
- Palletising/de-palletising areas
- Automotive, robotised lines
- Automated storage and retrieval
- Automated warehousing
- AGV and forkift area protection

Safety controllers

SG BWS
Body safety protection and perimeter access control.
Cost effective, flexible safety layout and system configuration.

TECHNICAL DATA
- Configurable safety control units type 4 (PL-e; SIL3)
- Dip-switch configuration of auto/man restart, EDM
- SG-BWS-T4-MT with single or double muting function
- Controlling 2 light curtains or 1-4 safety light beams:
  - SS operating distance 0-8m, laser 0-40m
  - S300 operating distance 0-40m
- Double PNP output or SPST relay 250Vac/24Vdc 5A

APPLICATION
- Light palletiser/de-palletisers
- Conveyor lines
- Automated warehousing
- Manufacturing lines

Safety accessories

- Mirror
- Protective stand
- Protective slits
- Safety module
- Safety relay
- Muting box
- Muting arm
- Muting lamp
- Laser pointer
- Brackets
Identification

Laser based barcode scanners
DS2100N/DS2400N

**Application**
- DS2100N/DS2400N
- Automated warehousing
- Conveyor sorting
- Picking systems
- Automated storage and retrieval systems
- Tote reading
- Automated shopfloor
- Item and part tracking
- Process control and packaging
- OEM
- High speed document handling machines
- Print & apply systems
- Automatic chemical and biomedical analysis machines
- Reverse vending machines (can and bottle recycling)

**HIGHLIGHTS**
- Compact, high performance readers
- Intuitive X-PRESS™ human machine interface
- ID-NET™ embedded interface for high speed communication network
- ACR lite advanced code builder
- Direct and 90° reading window
- Ambient light immunity
- Multilingual Genius™ configuration tool
- All 1D codes including GS1

**DS2100N/DS2400N**
- Scan rate: up to 1000 scans/s
- Reading range: 30 to 310mm
- Max. resolution: 0.12mm (5mils)
- Power supply: 10 to 30VDC, 4W max.
- Protection class: IP65
- I/O: 2 inputs, 2 outputs; optocoupled

**DS2100N**
- Scan rate: up to 1000 scans/s
- Reading range: 60 to 600mm
- Max. resolution: 0.20mm (8mils)
- Power supply: 10 to 30VDC, 5W max.
- Protection class: IP65
- I/O: 2 inputs, 2 outputs; optocoupled

**DS2400N**
- Operating temperature:
  - -35°C to 45°C (subzero model)
  - 0°C to 45°C (standard model)

**Technical Data**
- Simplified wiring to speed up installation
- Scalable and modular connectivity
- Base and extended models
- Modular field bus connectivity
- Optional backup/restore module
- Optional display
- Low temperature model

**DS4800**

Automated warehousing
- Medium/small conveyor sorting
- Pallet reading
- Automated storage and retrieval systems
- Picking systems
- Receiving/shipping systems
- Low temperature warehouses

**CBX series**

Automated Shopfloor
- Item and part tracking
- Process control systems
- Overall production traceability
- Packaging and compliance

**HIGHLIGHTS**
- Manually adjustable focus with locking
- Ambient light immunity for outside applications
- Integrated multi-language display for setup, monitoring, and diagnostics
- Subzero model (-35°C) with window defrost
- ACR™ advanced code reconstruction
- Integrated oscillating mirror model available
- ID-NET™ embedded interface for high speed communication network
- All 1D codes including GS1

**Technical Data**
- Scan rate: up to 1000 scans/s
- Reading distance: up to 1000mm on 0.50mm (20mil) codes
- Depth of field: up to 600mm on 0.50mm (20mil) codes
- Max. resolution: up to 0.20mm (8mils)
- Connectivity: RS232, RS485
- I/O: 2 inputs, 2 outputs; optocoupled
- Power supply: 10 to 30VDC, 6W max.
- Protection class: IP65
- Operating temperature: -35°C to 50°C (subzero model)
- 0°C to 50°C (standard model)
IDENTIFICATION

Matrix 210/300/410

**Matrix 210™**
- **Applications:** Electronics, PCB board tracking, Electronic product tracking, Medical & pharmaceutical, Medical device traceability, Pharmaceutical supply chain traceability, OEM, Chemical & biomedical analysis, Access control systems, Self service systems (ATM, kiosks), Print & apply systems, Document handling
- **Highlights:**
  - WVGA sensor resolution, 60 frames/s
  - Ultra-compact mechanical dimensions
  - Direct or 90° reading window
  - ESD safe option, YAG laser protection
  - Code quality verification capability
  - High speed integrated Ethernet for real time image transfer
  - USB connectivity (Matrix 210™)
  - Extreme industrial grade: IP65
  - 0-50°C operating temperature
  - Image saving and transfer capabilities (FPT protocol)
- **Technical Data:**
  - Extremely compact dimensions: 50 x 25 x 45mm & 54 x 45 x 32mm
  - High speed integrated Ethernet for real time image transfer
  - CMOS matrix sensor
  - WVGA image resolution
  - Read rate: up to 60 frames/s
  - Object speed: up to 2.0m/s
  - Connectivity: RS232, RS485, USB, EtherNet IP, EtherNet TCP/IP
  - I/O: 2 inputs, 2 outputs; optocoupled
  - Power supply: 10 to 30VDC,
  - Protection class: IP65

**Matrix 300™**
- **Applications:** Manufacturing, electronics and automotive, DPM code validation after marking, Work-in-progress control, Parts and assemblies traceability, Food and beverage, Work-in-progress traceability, Document processing, High speed process control, Medical, Medical device traceability, Clinical lab automation, Biomedical analysis machines, Specimen collection machines
- **Highlights:**
  - Ultra-compact reader, rotating connectors
  - High performance DPM reading
  - Liquid lens electronic focus control
  - Integrated dual illuminator: dark field/bright field
  - Fast and high resolution image sensor: 1.3 megapixels, true 60 frame/s
  - Power over Ethernet option
  - Extreme Industrial grade: IP67, 0-50°C operating temperature
  - Precise dual laser aiming system
  - Code quality verification capability
  - Image saving and transfer capabilities (FPT protocol)
- **Technical Data:**
  - Compact mechanical dimensions: 94 x 54 x 43mm & 74 x 54 x 63mm
  - Rotating connectors
  - Electronic focusing lens control
  - Multi-pattern embedded illuminators
  - CMOS matrix sensor
  - SXGA image resolution
  - Image frame rate: 60 frames/s
  - Connectivity: RS232, RS485, EtherNet IP, EtherNet TCP/IP
  - I/O: 2 inputs, opto-coupled, 3 outputs, programmable PNP/NPN
  - Power supply: 10 to 30VDC: 8W max.
  - Power over Ethernet option
  - Protection class: IP67

**Matrix 410™**
- **Applications:** Automotive, DPM reading and verification, Electronics, PCB board tracking, Electronic product tracking, Distribution & retail industry, Presentation scanner, Small objects sorting, Warehouse applications, Medical & pharmaceuticalal, Medical device traceability, Pharmaceutical supply chain traceability, Food & beverage, Work-in-progress traceability, Code quality control
- **Highlights:**
  - 1.3 (SXGA) & 2.0 (UXGA) megapixels models
  - Adjustable focus through C-mount lenses
  - High performance reading on 1D, 2D, stacked, postal symbologies
  - Blue Diamonds™ aiming and focusing system
  - X-PRESS™ for easy and intuitive setup
  - ID-NET™ embedded high speed connectivity
  - Code quality verification capability
  - High speed integrated Ethernet for real time image transfer
  - Extreme industrial grade: IP67, 0-50°C operating temperature
  - Image saving and transfer capabilities (FPT protocol)
- **Technical Data:**
  - High speed integrated Ethernet for real time image transfer
  - CMOS/CCD matrix sensors
  - SXGA/UXGA image resolution
  - Read rate: up to 27 frames/s
  - Object speed: up to 6.0m/s
  - Connectivity: RS232, RS485, EtherNet IP, EtherNet TCP/IP
  - I/O: 2 inputs, 2 outputs; optocoupled
  - Power supply: 10 to 30VDC: 8W max.
  - Protection class: IP67