

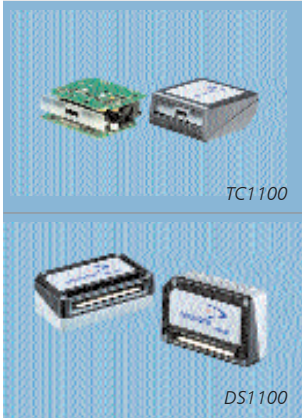


Unattended Scanning Systems

Product Range

1000/2000/4000/6000/
8000/9000 Series,
2D Readers, Industrial
Boxes & Controllers,
Omni-Solutions





TC1100

DS1100

>Features

- > Cost effective
- > Excellent reading capabilities
- > Wide reading width at a short reading distance
- > Very compact dimensions
- > Projected for OEM applications
- > Available with or without outer case
- > Available with direct or 90° reading window
- > Designed for easy integration inside OEM machinery
- > Easy configuration via Windows-based programming tools

>Applications

- > Access control systems
- > Game automation (Lotto, Lottery, etc.)
- > Chemical and biomedical analysis machines
- > ATL (Automatic Tape Library)
- > Self Service Systems (ATM, Kiosk)
- > Video rental machines
- > Printing machines
- > Small conveyors and picking systems
- > Film processing machines
- > Work-in-progress and Quality control

>Specifications

TC1100
Reading Technology: CCD
Scan Rate: 270 scans/s
Reading Range: 35 to 350 mm
Max Resolution: 0,076 mm (3 mils)
Flexible interface "All in One" architecture: RS232 / Wedge / Pen
Available with or without outer case
DS1100
Reading Technology: Laser
Scan Rate: 500 scans/s
Motor on/off via software commands
Reading Range: 10 to 220 mm
Max Resolution: 0,12mm (5 mils)
Interfaces: RS232 / RS485
Window: direct or 90° reading window with the same dimensions
Protection Class: IP65



DS2200

DS2100 & DS2400

>Features

- > Designed for Industrial applications
- > Wide range of reading areas and scanning speeds
- > Reading distance up to 600mm
- > Compact dimensions for direct and 90° reading
- > Ambient light immunity by high frequency laser light modulation
- > IP65 rugged industrial housing
- > Easy configuration via Windows-based programming tools

>Applications

- > Packaging machines
- > Chemical and biomedical analysis machines
- > Automated shopfloor
 - Items and parts tracking
 - Packaging and compliance
- > Automated warehousing
 - Conveyor sorting
 - Label verification
 - Picking systems
- > High speed pharmaceutical packaging
- > High speed document handling
- > Reverse Vending Machines (Cans and Bottles recycling)

>Specifications

DS2200
Reading Technology: Laser
Scan Rate: 500 (up to 2,000) scans/s
Reading Range: 40 to 200 mm
Max Resolution: 0.076 mm (3 mils)
Interfaces: RS232 / RS485
DS2100
Reading technology: Laser
Scan rate: Up to 800 scans/s
Reading range: 40 to 300 mm
Max resolution: 0,15 mm (6 mils)
Interfaces: RS232 / RS485
DS2400
Reading Technology: Laser
Scan Rate: 400 to 1000 scans/s
Reading Range: 60 to 600 mm
Max Resolution: 0,20 mm (8 mils)
Interfaces: RS232 / RS485



DS4600A - 2XXX

DS4600A - 3XXX

>Features

- > Reading distance up to 1000 mm
- > Display and keypad available
- > Autolearning function
- > Great reading performance on low contrast barcodes
- > Multilabel reading
- > ACR™ code reconstruction technology
- > Oscillating mirror as a dedicated accessory
- > Robust and reliable mechanical platform
- > Internal heater for cold environment

>Applications

- > Data collection and WIP Tracking for electric appliances, electronics, food & beverage
- > Data collection on carton boxes
- > Automated warehousing
 - Conveyor sorting
 - Label verification
 - Picking systems
 - Fork lift truck
- > Automated shop floor
 - Items and parts tracking
 - Packaging
 - Compliance
 - Final assembly line

>Specifications

DS4600A
Reading Technology: Laser
Scan Rate: Up to 1000 scan/s
Reading Range: 50 to 1000 mm
Versions: High Density, Medium Range, Long Range
Programming Methods: WinHost™ configuration program
Auto-learning function
Interfaces: RS232, RS485
Input/ Output: Presence sensor + 2 input, 2 output programmable optocoupled
Decoder: Linear and ACR
Display: Local echo, reading statistic
Power Supply: 10 to 30 Vdc
Protection Class: IP65

2D



Matrix-2000™

>Features

- > CCD based 2D reader for fixed industrial applications
- > Compact industrial unit integrating lighting, image capturing, decoding and communication
- > Direct or 90° reading window
- > 1D & 2D, stacked, postal code reading
- > Autolearning function
- > Code quality control (AIM)
- > Designed for easy integration in production lines, automatic machinery, data capture systems

>Applications

- > WIP control/product traceability
- > Document and mail processing
- > PCB production line tracking
- > Direct Part Marking (DPM) applications
- > Semiconductor production line tracking
- > Chemical and biomedical analysis machines
- > Small objects/pharmaceutical packaging

>Specifications

MATRIX-2000™
CCD matrix sensor
Read Rate: Up to 60 reads/s (3600 reads/min)
Object Speed: Over 6.0 m/s
Max Pitch: ±35°; Tilt 360°
Input/Output: 2 inputs, 3 outputs programmable optocoupled
Interfaces: RS232, RS485, Ethernet
Power Supply: 10 to 30 Vdc
Power Consumption: 8 W max.; 5 W typ.
Dimensions: 121 x 73 x 57 mm (4.76 x 2.87 x 2.24 in)
Weight: 380 g (13.40 oz)
Programming method: Visiset™ Windows based configuration SW
Protection Class: IP64

6000 Series



DS6X00 Linear version



DS6X00 OM version

> Features

- > Modular solution based on reading HEAD and decoder BASE
- > Reading distance up to 2500 mm
- > Adjustable, Flash™ (Dynamic), ASTRA™ double laser optics
- > Display and keypad available
- > Step-A-Head™ feature
- > ACR™ -3 code reconstruction technology
- > Integrated oscillating mirror available
- > Built-in connectivity to Ethernet/Devicenet/Profibus
- > PACKTRACK™ tracking system

> Applications

- > WIP & Quality control
- > Automated warehousing
- > Reading on fork lift trucks
- > Electronic industry manufacturing
- > Shop floor on Automotive, Electric Appliances, Food & Beverage
- > Sorting on Logistics and Distribution
- > Reading on airports: induction line and main sorters
- > Omni sorting on small conveyors

> Specifications

DS6300
Scan Rate: Up to 1200 scan/sec
Reading Range : 300 to 2000 mm
Decoder: ACR3
Power Supply: 10 to 30 Vdc
Optics: Adjustable
DS6400
Scan Rate: Up to 1200 scan/sec
Reading Range : 300 to 2500 mm
Decoder: ACR3
Power Supply: 10 to 30 Vdc
Optics: FLASH™ dynamic
DS6500
Scan Rate: Up to 1200 scan/sec
Reading Range : 300 to 2500 mm
Decoder: ACR3
Power Supply: 10 to 30 Vdc
Optics: ASTRA™ double laser

8000 Series



DS8100



DX8200

> Features

- > Best reading performance in laser scanner market
- > ASTRA™ multi-laser focusing with fixed optics
- > Internal distance measurement
- > ACR™ -3 code reconstruction technology
- > PACKTRACK™ tracking system
- > Ambient light immunity
- > Industrial design
- > Designed for most demanding material handling applications
- > Flexible scanner combinations for multi side Omni-directional bar code reading solutions

> Applications

- > Postal and courier automatic parcel sorting and tracking
- > Good sorting and tracking in distribution centers
- > Automatic baggage handling
- > Baggage identification in hold baggage screening systems
- > Parcel identification in DWS systems
- > Cargo applications
- > Loading/unloading systems

> Specifications

DS8100
Laser Pattern: Single
Scan Rate: 1000 scans/s
Reading Range: 500 to 2000 mm
Max Resolution: 0,2mm (8 mils)
Dimensions: 215,5 x 170,5 x 126,5 mm 8.5 x 6.7 x 5.0 in
Protection Class: IP64
Operating temperature: 0 to 50°C
DX8200
Laser Pattern: Cross
Scan Rate: 1000 scans/s (500 each scan line)
Reading Range: 500 to 1500 mm
Max Resolution: 0,2mm (8 mils)
Dimensions: 576 x 513 x 153 mm 22.7 x 15.2 x 6.0 in
Protection class: IP54
Operating temperature: 0 to 50°C

Ind. Boxes/Controllers



SC8000



MX4000

> Features

- > High speed data collection
- > Real time data processing
- > Easy integration with existing systems
- > Fast set-up
- > Industrial design
- > Serial, Ethernet, Profibus, Devicenet connectivity
- > Scanner controlling and configuring
- > Real time statistics and diagnostics
- > User friendly interface
- > Easy installation, cabling and setup

> Applications

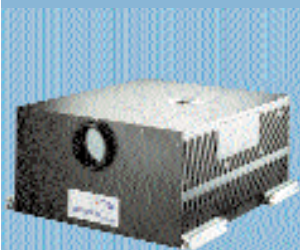
- > WIP Tracking and Data Collection for manufacturing applications
- > Real time data processing
- > Fieldbus connectivity on the factory floor
- > Remote control
- > WEB services on Ethernet TCP/IP
- > Scanner controlling and configuring
- > Real time statistics and diagnostics

> Specifications

C-Box Line
Compatibility: all USS scanners
Related Features: GET/SEND/STORE configuration
Connectivity: RS232 to RS485 MUX32 protocol
Fieldbus Connectivity: Profibus/DP, Devicenet
Case material: ABS
MX4000
Main Feature: data collection on RS485 bus
Connectivity: Profibus/DP
Remote Control and configuration
Power Supply: 10-30 Vdc
Case Material: Aluminium
SC8000
Main Feature: based on a PC platform
Compatibility: 6000/8000 scanner families
Display : 10" VGA
Connectivity : Ethernet
Power Supply: 24 Vdc

2D

9000 Series



DV9100

> Features

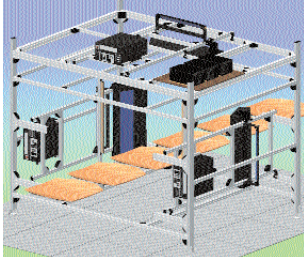
- > Designed for most demanding parcel identification applications
- > Based on state-of-the-art linear CCD technology
- > Complete omni-directional reading capabilities
- > High reading performance on small and low quality codes
- > Parcel dimensioning option
- > Suitable for OCR and Video-coding applications
- > Robust industrial architecture
- > Dust proof design
- > Easy installation, operation and maintenance

> Applications

- > Parcel sorting and tracking applications
- > Postal item sortation
- > Mail order and distribution goods sorting
- > 2D code reading applications
- > Identification of low quality codes
- > Postal code reading applications
- > Parcel OCR and video-coding
- > Parcel scanning and dimensioning

> Specifications

DV9000/DV9100
CCD Sensor: 6144 pixels, 4 taps
Image Resolution: 130 - 250 dpi, (application dependent)
Conveyor Coverage: Up to 1100 mm (43 in)
Depth of Field: Up to 1000 mm (39 in)
Conveyor Speed: Up to 3.0 m/s
Readable Code 128, Code 39, Linear Codes: Interleaved 2/5, EAN/UPC and all popular barcodes
Readable 2D : PDF417, Datamatrix, Maxicode and all popular 2D codes. Postal codes
Output data: Decoded label, object dimension (option)
Data Output: Serial, Ethernet
Video Output: 16/32 bit LVDS



>Description

Datalogic's flexibility in designing Omni directional reading systems makes it possible to always have the right product in the right spot, assuring an effective solution for any application specifications. The combination of vision and laser technologies means being able to satisfy the customer's needs with the ideal solution and the best price/performance ratio. The laser solution can be scaled in accordance with conveyor speed, reading area and other relevant specifications. The resulting system is designed with the ideal combination of DS8100, DX8200 and DS6500. The SC8000 controller collects and elaborates data received by

the scanner, and provides users with a unique standard interface. Each device that makes up the Omni directional reading system has been designed to assure easy maintenance without requiring an expert scanner technician.

Furthermore, the System Supervisor monitoring software allows remote monitoring in real time of the Omni directional reading systems and advises when maintenance is required.

Products

- > DV9100
- > DS8100
- > DX8200
- > DS6500
- > SC8000

>Features

- > Multi side Omni-directional bar code reading
- > Serial, Ethernet, Profibus, Devicenet communication
- > Quick maintenance without the need of an expert technician
- > MTTR (of each device in the solution) in less than 10 minutes
- > Full diagnostics and statistics available
- > Sentinel supervisor software for remote monitoring



>Description

Connectivity is one of the key points of Datalogic USS products. Connectivity means an easy and fast clustering of scanners: a high speed LonWorks bus makes it possible to inter-connect a cluster of scanners without creating any bottlenecks in communication with the host.

Moreover, Connectivity entails interfacing the most popular industrial busses, like Profibus and Devicenet, or Ethernet, which is becoming more and more attractive since this bus is the ideal data link between office and factory floor levels. The 6000 family scanners offer built-in connectivity to Ethernet, Profibus and Devicenet.

The SC8000 controller offer built-in connectivity to Ethernet, while the MX4000 is the ideal solution for connecting a series of scanners linked together in Data Collection mode to Profibus.

With the new C-BOX, Datalogic offers an easy and cheap solution for point to point connectivity to Profibus or Devicenet.

Products

- > DS6300
- > DS6400
- > DS6500
- > SC8000
- > MX4000
- > C-BOX

>Features

- > Built-in Connectivity to Ethernet, Profibus, Devicenet
- > Profibus and Devicenet connectivity through C-BOX
- > Profibus connectivity through MX4000 multiplexer
- > Remote control
- > WEB services with TCP/IP protocol
- > Ethernet/IP, Profinet, Modbus protocols available



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Datalogic Communication Division
Printed in Italy February 2004

