

iSCAN300 1D and 2D Image Code Reader



1D and 2D Image Code Reader for hazardous areas

**ATEX II 2 G EEx d IIC T5 or T6
II 2 D IP66 T85°C or T100°C**

-20°C to +55°C

IP66

Overview

The Image Code Readers combines the latest technology for rapid computing performance with high-quality matrix sensors. IP 66 housings, integrated illumination, user-friendly image recording, and decoding with rapid image and data output via standardised interfaces allow quick implementation in many applications. Advanced technology allows the imager to read 2D codes, even with a poor contrast meaning its ideal for DPM's (Direct Mark Printing). The iSCAN300 utilises an "Object trigger" function rather than a "Code trigger" function meaning the scan is likely to be more reliable and transfer first time.

Features and Benefits

Numerous Variants

Large number of device variants, such as reading distance, resolution and reading field size, offer the right solution for your application

Simple commissioning

Easy configuration via established user interface.
Live image output means it is easy to align and set up

Reliability

Reliable reading of codes on stationary or moving objects.

Configuration Software F.O.C

Configuration software comes free with the scanner meaning great value

High read rate

Even under difficult conditions or with poorly printed codes or DPMs (Direct Part Marking)

Homogeneously lit illumination

Curved objects can be homogeneously lit by the powerful integrated, controllable LED illumination.
An additional external light source is not needed

Variety of Interfaces or Ethernet

Integrate the iSCAN300 Image Code Reader in your existing data environment or via the network.

Specification

Certification Number	CESI 01 ATEX 036
Certification Type	II 2 G EEx d IIC T5 or T6 II 2 D IP66 T85°C or T100°C
Dimensions	230H x 230W x 154D Mounting centres 265 x 196
IP Rating	IP66
Ambient Operating Temperature	-20° to +55°C
Weight	Approx 8kg
Enclosure Material	Grade LM6 Cast Alloy Epoxy Coated
Operating Voltage/ power consumption	15V to 30 V DC/ max. 13W
Electrical connection	RJ45 socket at the device and 15 terminals for component cores of D-Type connector
Host Data Interface	Serial (RS232 or RS422/ 485, 300Bd to 57.600 Bd) or Ethernet
Image recording rate	25 Hz at 1.3 megapixels (SXGA resolution)
Light source	Illumination LEDs: visible red light ($\lambda = 617 \pm 15\text{nm}$)
Barcode types	Code 39, Code 128, Codabar, EAN, EAN 128, UPC, 2/5, Interleaved, Pharmacode, RSS Limited
Barcode Length	Max. 50 characters (max 4000 characters across all codes per reading interval)
2D code types/ size	Data Matrix ECC200/ according to ISO/ IEC 16022



Ordering Information

1D and 2D Image Code Reader

iSCAN300 -[#1]

Specify Scanner as Below [#1]

Scanner Type	Resolution	Focus Position	Reading Field	
High Density	0.1 to 2 mm	50 mm	23.75 x 19 mm	A
Standard	0.15 to 2 mm	80 mm	40 x 30 mm	B
Mid Range	0.25 to 2 mm	115 mm	58.5 x 46.5 mm	C
Long Range	0.3 to 2 mm	145 mm	72.5 x 58mm	D