

DATALOGIC DS2100N LASER SCANNER

Industrial Laser Scanner

DS2100N-1200
 Standard resolution, RS232/485, Linear, Standard performance

- Maximum Resolution Up To 0.12mm
- Scan rate 500 to 1000 Scans/sec
- Multilabel Reading
- Advanced Code Reconstruction



PRODUCT DESCRIPTION

DS2100N has been developed for ease of use, while at the same time offering outstanding read performance. DS2100N is equipped with the innovative X-PRESS™ interface which facilitates installation and maintenance. Together with the high-performance optics and built-in code reconstruction, ACB™, high read capacity is guaranteed.

X-PRESS™ Datalogic's innovative X-PRESS™ interface is designed to simplify and facilitate installation and maintenance. Status and diagnostic information are displayed clearly on the reader by means of 5 LEDs. The multifunction button on the reader allows easy calibration of settings such as read range, read distance and code learning.

ACB™ (Advanced Code Builder)

Advanced Code Builder permits reading of damaged codes by linking together two parts of a code. ACB™ is effective when you want to read low-height codes, damaged codes and poorly printed codes.

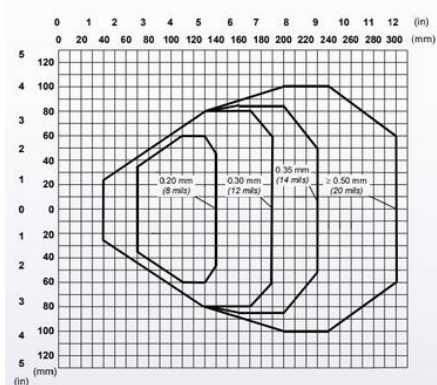
Genius™

Windows-based configuration program which offers a simple way of installing the reader and using functions such as remote control, software update or diagnostic control.

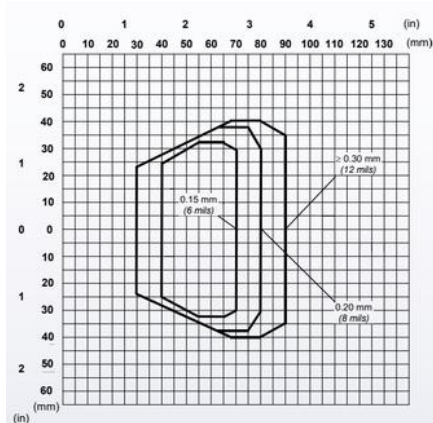
TECHNICAL DATA

| | |
|---|--|
| 1D Code types | Code 2/5, Code 39, Code 93, Code 128, EAN128, Codabar, Pharmacode, Plessey, ISBT128, UPC/EAN |
| Digital inputs | 2 |
| Digital outputs | 2 |
| Dimension (mm) | 84 x 68 x 34 |
| Distance max | 300 mm |
| Distance min | 50 mm |
| Integrated communication interface | RS232/RS422/RS485, Aux RS232, ID-NET RS485 |

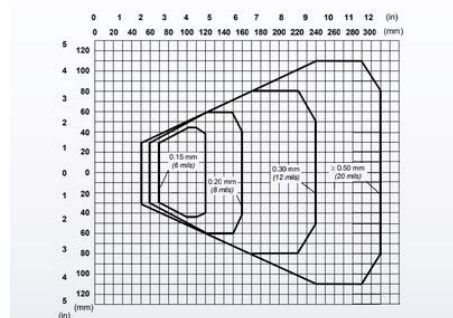
| | |
|------------------------------------|--|
| IP class | IP65 |
| Material of body | Aluminium |
| Multi label reading | Yes |
| Optics | Linear |
| Power consumption | 4 W |
| Programming options | X-PRESS™ Human-machine interface, Genius™ (windows based) SW |
| Read speed | 1000 |
| Readable code types | 1D / Linear Codes |
| Supply voltage | 10-30 V DC |
| Temperature operational max | 45 °C |
| Temperature operational min | 0 °C |
| Weight | 330 g |



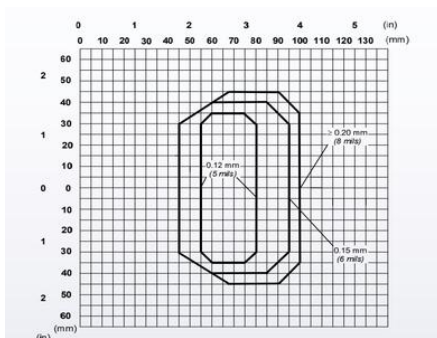
DS2100N-1X00 (Std Res)



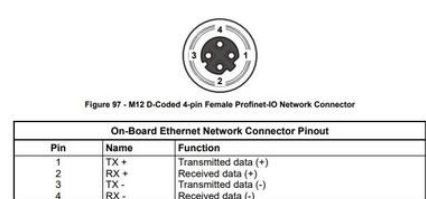
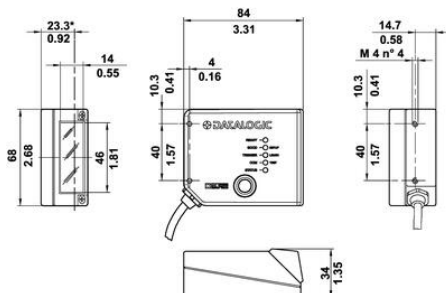
DS2100N-2X00 (High Res)



DS2100N-1X04 High Performance (Std Res)



DS2100N-2X04 High Performance (High Res)



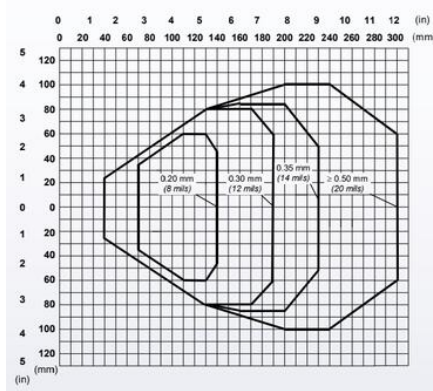
POWER



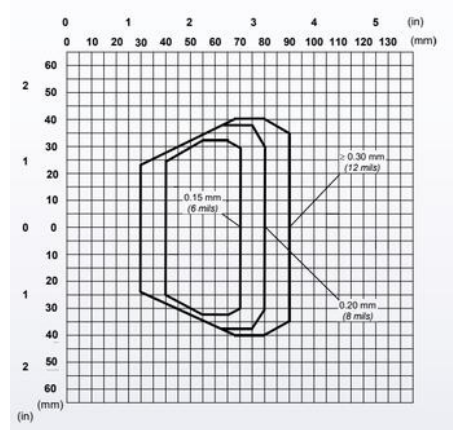
Figure 96 - M12 A-Coded 5-pin Male Power Connector

| Power Connector Pinout | | |
|------------------------|------|------------------------------|
| Pin | Name | Function |
| 1 | Vdc | Power supply input voltage + |
| 2 | NC | Not Connected |
| 3 | GND | Power supply input voltage - |
| 4 | NC | Not Connected |
| 5 | NC | Not Connected |

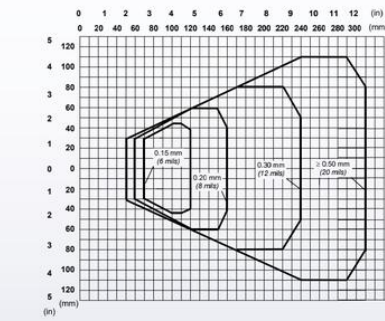
The CS-A1-02 or AS-I accessory power cables can be used to connect to the power source.



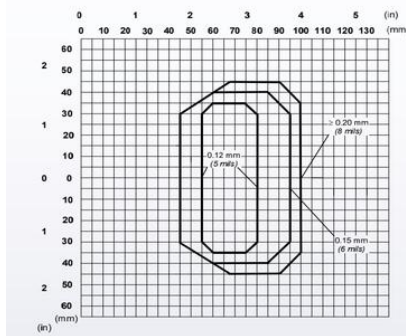
DS2100N-1X00 (Std Res)



DS2100N-2X00 (High Res)



DS2100N-1X04 High Performance (Std Res)



DS2100N-2X04 High Performance (High Res)



Figure 97 - M12 D-Coded 4-pin Female Profinet-IO Network Connector

| On-Board Ethernet Network Connector Pinout | | |
|--|------|----------------------|
| Pin | Name | Function |
| 1 | TX + | Transmitted data (+) |
| 2 | RX + | Received data (+) |
| 3 | TX - | Transmitted data (-) |
| 4 | RX - | Received data (-) |

POWER



Figure 96 - M12 A-Coded 5-pin Male Power Connector

| Power Connector Pinout | | |
|------------------------|------|------------------------------|
| Pin | Name | Function |
| 1 | Vdc | Power supply input voltage + |
| 2 | NC | Not Connected |
| 3 | GND | Power supply input voltage - |
| 4 | NC | Not Connected |
| 5 | NC | Not Connected |

The CS-A1-02 or AS-I accessory power cables can be used to connect to the power source.