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.

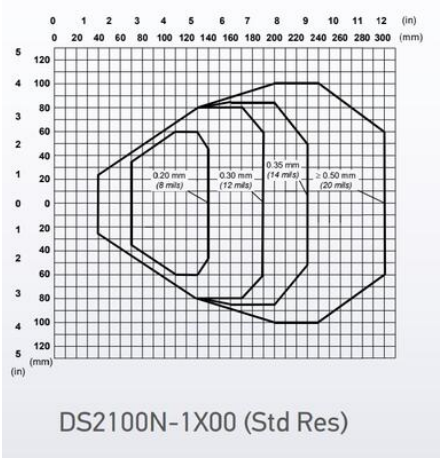
ACB™ (Advanced Code Builder)
Advanced Code Builder permits reading of damaged codes by linking together two parts of a code. ACB™ is effective when you want to read low-height codes, damaged codes and poorly printed codes.

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.

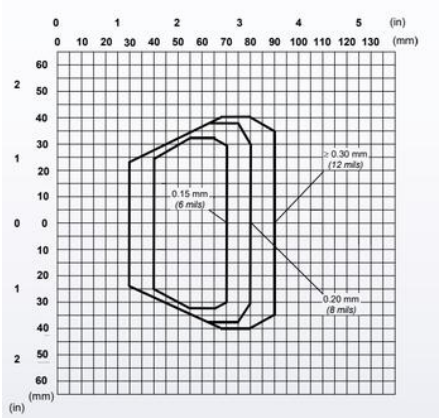
SPECIFICATIONS

Digital Inputs	2
Digital Outputs	2
Dimension (mm)	84 x 68 x 34
Distance Max	300
Distance Min	50
Integrated Communication Interface	RS232/RS422/RS485, Aux RS232, ID-NET RS485
IP Class	IP65
Multi Label Reading	No

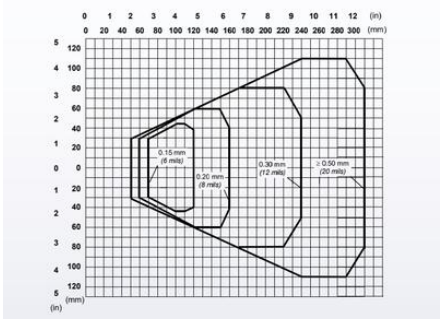
Optics	Linear
Power Consumption	4
Programming Options	X-PRESS™ Human-machine interface, Genius™ (windows based) SW
Read Speed	1000
Supply voltage	10-30 V DC
Temperature range from	0
Temperature range to	45
Weight	330



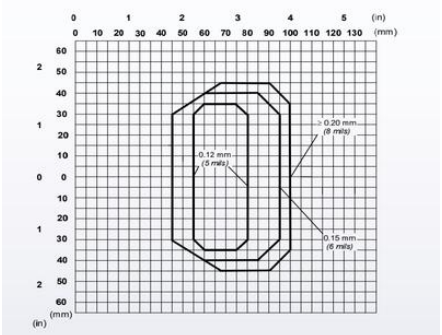
DS2100N-1X00 (Std Res)



DS2100N-2X00 (High Res)



DS2100N-1X04 High Performance (Std Res)



DS2100N-2X04 High Performance (High Res)

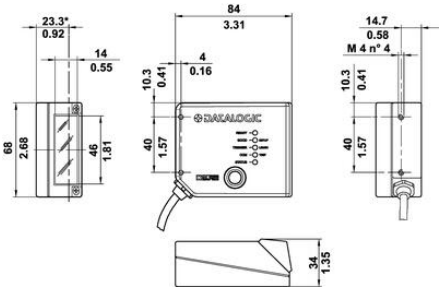




Figure 97 - M12 D-Coded 4-pin Female Profinet-IO Network Connector

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 (-)

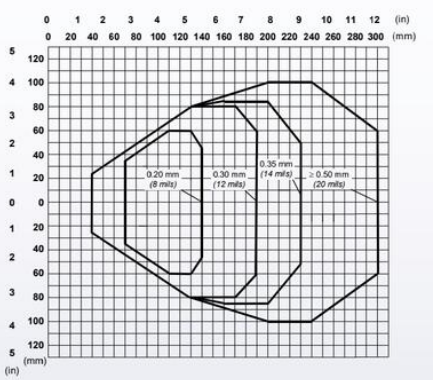
POWER



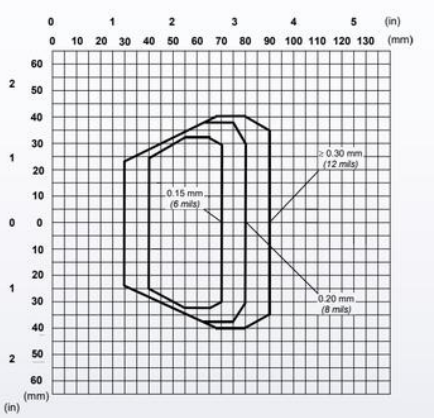
Figure 98 - M12 A-Coded 5-pin Male Power Connector

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

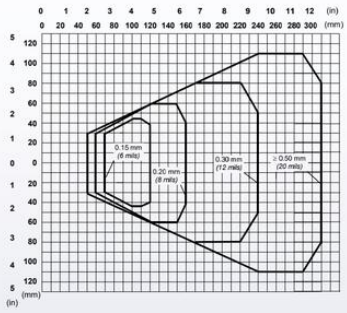
The CS-A1-02 or AS-I accessory power cables can be used to connect to the power source.



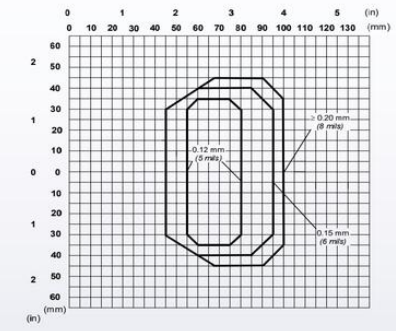
DS2100N-1X00 (Std Res)



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 98 - 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.