

1D/2D Code Scanner

C5PC120

Part Number

IndustrialEthernet



- Auto-button function
- Integrated code reconstruction
- Integrated LED illumination
- PROFINET and EtherNet/IP™
- Web link

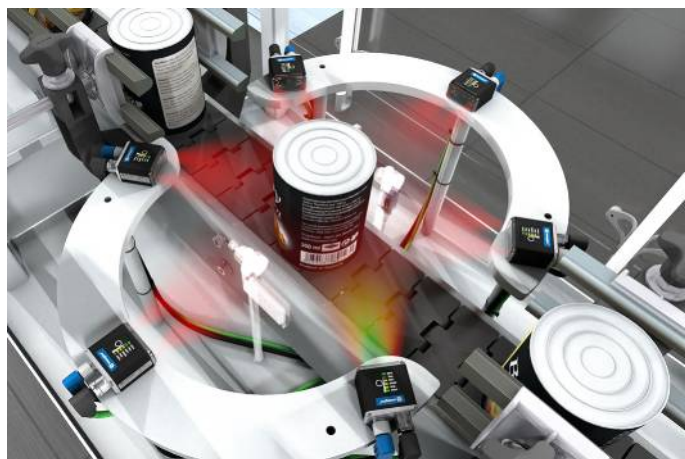
These 2D code scanners are suitable for omnidirectional scanning of 1D and 2D codes.

The following code types can be processed:

1D codes: Code39, Code93, Code128, UPC/EAN, BC412, Interleaved 2 of 5, Codabar, Postal Codes, Pharmacode

2D codes: DataMatrix ECC 0...200, PDF417, Micro PDF417, QR-Code, Micro QR-Code, Aztec Code, GS1 Databar, Dot code

Additional code types upon request.



Technical Data

Optical Data

Barcode Density	Standard density
Read Range	50...300 mm
Resolution	2592 × 1944 Pixel
Resolution	5 MP
Focal distance	5,2 mm
Pixel Size	1,75 × 1,75 µm
Light Source	White Light
Wavelength	617 nm
Focus	Autofocus
min. Resolution	> 0,064 mm

Environmental conditions

Temperature Range	0...45 °C
Atmospheric humidity	5...95%, non-condensing

Electrical Data

Supply Voltage	5...30 V DC
Current Consumption (U _b = 24 V)	180 mA
Scan Rate	5 scans/sec
Switching Output	Optoisolator
Number of Switching Outputs	3
Switching Output/Switching Current	< 100 mA
Reverse Polarity Protection	yes
Interface	RS-232/Ethernet
Trigger Input	Optoisolator
Signal Input	Optoisolator
Number of Signal Inputs	3

Mechanical Data

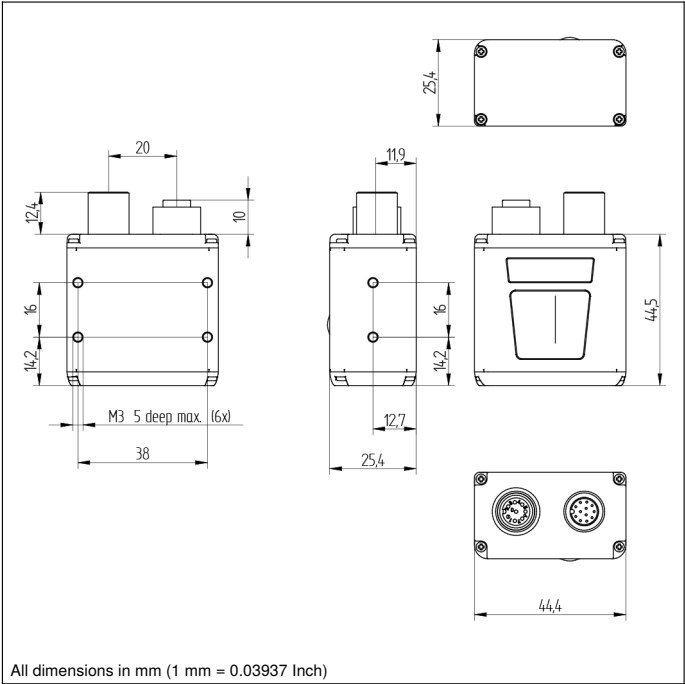
Setting Method	Ethernet
Housing Material	Aluminum, anodised
Optic Cover	Plastic, PMMA
Degree of Protection	IP65/IP67
UL Enclosure Type	1
Connection	M12 × 1; 12-pin
Type of Connection Ethernet	M12 × 1; 8-pin
Minimum object distance	50 mm

PNP NO/NC switchable	●
NPN NO/NC switchable	●
Ethernet	●
PROFINET-I/O, CC-B	●
EtherNet/IP™	●

Connection Table No.	39
Control Panel No.	A24
Suitable Connection Equipment No.	87
Suitable Mounting Technology No.	430

Complementary Products

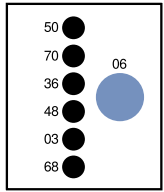
Connection Cable ZCYV00x
Path-Folding Mirror ZNNG028
Protective Housing ZSV-0x-01
Software
ZDCG005 connection cable
ZNNG053 Replacement disc
ZNNG054 Optical diffuser
ZNNG055 Polarization filter
ZNNG056 ESD protective screen
ZNNG057 YAG filter



All dimensions in mm (1 mm = 0.03937 Inch)

Ctrl. Panel

A24



03 = Error Indicator
06 = Teach Button
36 = Mode Indicator
48 = Network Status
50 = Good Read
68 = Power LED
70 = Run/Trigger

Distance	Max.Field of View	Min.Resolution	Read Range	
			1D	2D
50 mm	52 × 39 mm	0,064 mm	50 mm	–
100 mm	98 × 73 mm	0,084 mm	50...64 mm	50 mm
150 mm	144 × 107 mm	0,127 mm	50...102 mm	50...81 mm
200 mm	190 × 142 mm	0,191 mm	50...190 mm	50...133 mm
250 mm	236 × 176 mm	0,254 mm	50...250 mm	50...190 mm
300 mm	282 × 210 mm	0,381 mm	50...300 mm	50...280 mm
		0,508 mm	50...400 mm	50...380 mm

