Scanner

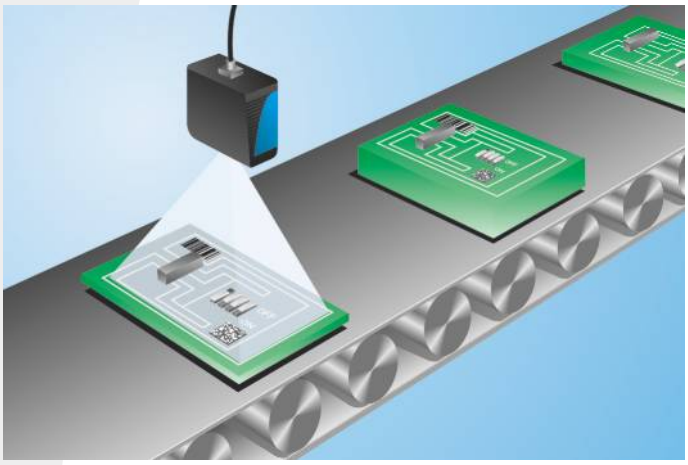
1D/2D Code Scanner

FIS-6300-0101

Part Number

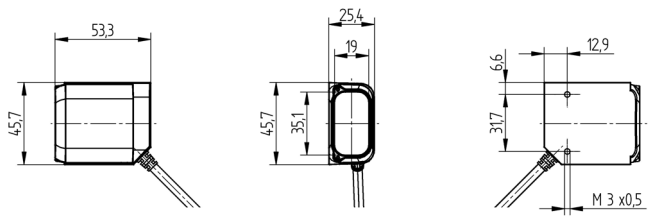
- **Autofocus**
- **for dynamic applications**
- **Increase of scan rate up to 100 scans/s**
- **Teach-In**

These 2D code scanners are suitable for omnidirectional scanning of 1D and 2D codes. The following code types can be processed:
1D Codes: Code 39, Code 128, UPC/EAN, IBM BC412, I2 of 5
2D Codes: Data Matrix (ECC 0-200), PDF417, QR Code, RSS-Family
Additional code types upon request.



Technical Data

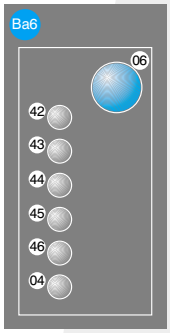
Optical Data	
High density	yes
Read Range	23...229 mm
Resolution	1280 × 1024 Pixel
Light Source	Red Light
Wave Length	617 nm
Service Life (T = +25 °C)	40000 h
Max. Ambient Light	3000 Lux
Barcode Label Contrast	> 20 %
Electrical Data	
Supply Voltage	5 V DC
Power Consumption	2200 mW
Scan Rate	10 scans/sec
On-/Off-Delay (RS-232)	2,55 s
Temperature Range	0...40 °C
Switching Output	TTL
Switching Outputs	3
Switching Output / Switching Current	10 mA
Network Possibilities	Daisy Chain, Multidrop
Interface	RS-232/422/485
Baud Rate	115200 Bd
Trigger Input	NPN
Signal Input	NPN
Number of Signal Inputs	1
Acoustic Indicator	yes
Mechanical Data	
Housing Material	Aluminum
Weight	57 g
Degree of Protection	IP54
Connection	SubD 15-pin
TTL positive / negative switchable	●
Connection Table No.	09
Control Panel No.	Ba6
Suiting Connection Technology No.	16 74
Suiting Mounting Technology No.	430



All dimensions in mm (1 mm = 0.03937 Inch)

Min. Resolution		Max. Field of vision	Read Range
1D	2D		
Ultra High Density			
0.08 mm	0.13 mm	56×45 mm	51 mm to 112 mm
0.19 mm	0.25 mm	91×73 mm	46 mm to 170 mm
0.38 mm	0.51 mm	102×82 mm	48 mm to 196 mm
High Density			
0.13 mm	0.19 mm	79×63 mm	38 mm to 152 mm
0.19 mm	0.25 mm	107×86 mm	30 mm to 178 mm
0.38 mm	0.51 mm	142×114 mm	23 mm to 229 mm
Medium Density			
0.13 mm	0.19 mm	81×65 mm	46 mm to 89 mm
0.19 mm	0.25 mm	107×86 mm	41 mm to 127 mm
0.25 mm	0.38 mm	173×138 mm	36 mm to 191 mm
0.51 mm	0.76 mm	241×193 mm	25 mm to 254 mm

Ctrl.Panel



04 = Function Indicator
06 = Teach Button
42 = Reading Performance 100 % / Good Read
43 = Reading Performance 80 % / Status / Trigger
44 = Reading Performance 60 %
45 = Reading Performance 40 %
46 = Reading Performance 20 %

Complementary Products

Connection Box AB-0003
Connection Box AB-0003-1
Deflection Mirror LA26
Protection Housing ZSV-0x-01

Specifications are subject to change without notice