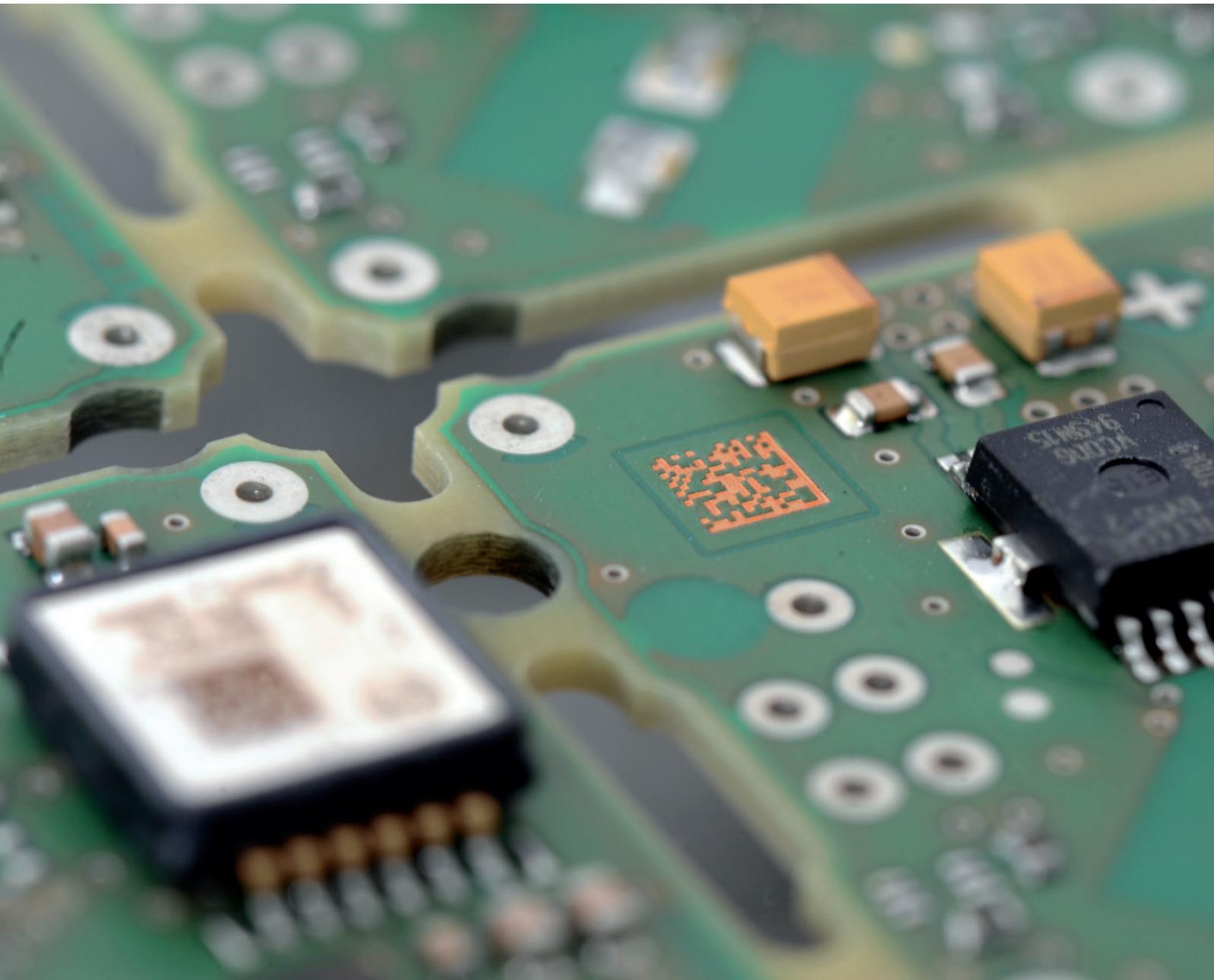


Identification, Deciphering and Monitoring

1D/2D and Barcode Scanners from wenglor





High-Speed Code Deciphering

Process reliability and speed are the features most frequently demanded of our products by industry. wenglor barcode scanners are distinguished by top performance where legibility and scan rate are concerned.

- Checking for completeness and quality inspection of information included in barcode labels
- Product identification during and after production
- Identification of samples in the distribution systems of the pharmaceuticals and chemicals industries

BLN Line Scanner with CCD Line Scanning Glossy Surfaces

wenglor's red light scanners with CCD line reliably read all common barcodes which are printed or laser etched on glossy surfaces – even in the event of minimal contrast or poor code quality.

- Scan rate: 530 scans/s
- Scanning of glossy surfaces with minimal contrast and poor code quality
- Temperature range: $-20 \dots 50^{\circ} \text{C}$
- Integrated web server
- Graphic display with intuitive menu prompting
- Ethernet TCP/IP interface for fast data transmission

Ready for Industrie 4.0 



Line Scanners

Line scanners are distinguished by a minimum legible code density of only 0.084 mm. They read ultrahigh density codes at speeds of up to 1 000 scans/s. Even from considerable distances, they never miss a single bar. Thanks to their very compact design, line scanners can be installed into extremely small spaces.



FIS-0003

Scanning of High Barcode Densities

- Minimum legible code density of just 0.084 mm
- Auto-calibration for automated adaptation of code type, scan rate and scanning range
- Scan rate: 350...1 000 scans/s
- Reads all common barcodes
- Connection via daisy chain or multi-drop, networking via separate gateways to bus systems

Raster Scanners

The ten scanning beams arranged in a grid-like fashion result in a wide scanning range, which captures the entire surface of the barcode and evaluates it at several locations. This makes it possible for the integrated code reconstruction function to piece together damaged or poorly legible codes like a puzzle at high speeds.



FIS-0830

Monitoring of High Flow Rates

- Flexibly adjustable scanning range
- Scan rate: 300...1 400 scans/s
- Integrated code reconstruction
- Adaptable deflection mirror
- Ethernet TCP/IP and EtherNet/IP™ interfaces

Ready for Industrie 4.0 

Sweep Raster Scanners

Sweep raster scanners are specialists for scanning large surfaces where very high process speeds are involved. This is a decisive advantage for applications in which barcodes cannot be passed precisely in front of the scanner. The individually adjustable deflection angle of the oscillating mirror can be flexibly matched to any application.

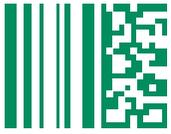


FIS-0870

Scanning of Large Surfaces

- Scan rate: 300...1 400 scans/s
- Flexibly adjustable deflection angle
- Integrated code reconstruction
- Connection via daisy chain or multi-drop, networking via separate gateways to bus systems
- Ethernet TCP/IP and EtherNet/IP™ interfaces

Ready for Industrie 4.0 



Processing Complex Information

1D/2D Code Scanners

1D/2D code scanners read simple barcodes as well as complex, directly applied 2D codes after simply pressing a button. They're design for both stationary and mobile applications and are distinguished by their high performance, flexibility and innovative illumination technology.



FIS-0004

Reading of 1D/2D Codes in Static Applications

- Omnidirectional code reading
- Scan rate: 10 scans/s
- Temperature range: 0...40° C
- Protection: IP54
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, RSS codes



FIS-6300-01

Scanning Codes in the Millimeter Range

- Scan rate: 10 scans/s
- Temperature range: 0...40° C
- Protection: IP54
- Auto-focus
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



FIS-6300-11

Reliable Scanning in ESD Areas

- The housing dissipates electrostatic charges for ESD areas
- Scan rate: 10 scans/s
- Auto-focus
- Temperature range: 0...40° C
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



FIS-6300-51

Scanning at High Production Speeds

- Scan rate: 60 scans/s
- Perfects scans with global shutter at speeds of up to 2.5 m/s
- Auto-focus
- Temperature range: 0...40° C
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



FIS-6801

Code Recognition at Different Distances

- Integrated liquid lens with LED illumination for optimized image sharpness
- Scan rate: 60 scans/s
- Integrated code reconstruction
- Diagnosis functions
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



C50C

Scanning with wenglor MultiCore Technology

- weQubeDecode with high-speed data transmission via separate communication processor
- Expandable modular software concept with lots of features such as 3D tracking, Teach+ and match-code comparison
- Integrated code reconstruction
- Reads all common barcodes as well as 2D codes
- Ethernet TCP/IP or PROFINET interface

Ready for Industrie 4.0 

Ready for Industrie 4.0 



FIS-HS/CSLH

Mobile Scanning with Handheld Scanner

- Alignment tool for quick code reading from large distances of up to 394 mm
- Resistant to cleaning agents
- Temperature range: $-20 \dots 50^{\circ} \text{C}$
- Bluetooth function for wireless data transmission with a range of 10 m (CSLH)
- Deciphering of damaged codes
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



FIS-6170

Scanning of Glossy and Curved Surfaces

- Innovative illumination technology for mobile scanning of difficult surfaces
- Integrated code reconstruction
- Reading of directly applied codes
- Rugged housing design with IP54 protection
- Reads all common barcodes as well as 2D codes: DataMatrix, PDF417, micro-PDF417, QR codes, Micro QR codes, Aztec code, GS1 Databar, RSS codes



Order number	Distance	Code	Light source	Interface
BLN line scanners with CCD array				
BLNOH1R10	10...120mm	Barcode	Red light	RS-232/Ethernet
BLNOL1R10	35...320mm	Barcode	Red light	RS-232/Ethernet
Line scanners				
FIS-0003-0103	51...254mm	Barcode	Laser (red)	RS-232/422/485
FIS-0003-0104	38...102mm	Barcode	Laser (red)	RS-232/422/485
Raster scanners				
FIS-0003-0105	51...254mm	Barcode	Laser (red)	RS-232/422/485
FIS-0003-0106	38...102mm	Barcode	Laser (red)	RS-232/422/485
FIS-0830-1100	102...762mm	Barcode	Laser (red)	RS-232/EtherNet/IP™
FIS-0830-1101	51...254mm	Barcode	Laser (red)	RS-232/EtherNet/IP™
FIS-0830-1102	82...228mm	Barcode	Laser (red)	RS-232/EtherNet/IP™
Sweep raster scanners				
FIS-0870-0107	102...762mm	Barcode	Laser (red)	RS-232/422/485
FIS-0870-0108	25...304mm	Barcode	Laser (red)	RS-232/422/485
FIS-0870-0109	82...228mm	Barcode	Laser (red)	RS-232/422/485
FIS-0870-1105	102...762mm	Barcode	Laser (red)	RS-232/422/485/Ethernet/IP™
FIS-0870-1106	25...304mm	Barcode	Laser (red)	RS-232/422/485/Ethernet/IP™
FIS-0870-1107	82...228mm	Barcode	Laser (red)	RS-232/422/485/Ethernet/IP™
1D/2D code scanners				
FIS-0004-0101	36...132mm	1D/2D code	Red light	RS-232/422/485
FIS-0004-0102	51...152mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-0101	23...229mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-0102	25...254mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-0103	46...196mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-1100	46...196mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-1101	23...229mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-1102	25...254mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-5112	33...254mm	1D/2D code	Red light	RS-232/422/485
FIS-6300-5113	38...203mm	1D/2D code	Red light	RS-232/422/485
FIS-6801-0211G-01	25...813mm	1D/2D code	Red light	RS-232/422/485
FIS-6801-0311G-01	25...597mm	1D/2D code	Red light	RS-232/422/485
FIS-6801-0511G-01	48...274mm	1D/2D code	Red light	RS-232/422/485
FIS-6801-1211G-01	25...813mm	1D/2D code	Red light	RS-232/EtherNet/IP™
FIS-6801-1311G-01	25...597mm	1D/2D code	Red light	RS-232/EtherNet/IP™
FIS-6801-1511G-01	48...274mm	1D/2D code	Red light	RS-232/EtherNet/IP™
C50C001	≥ 20mm	1D/2D code	White light	RS-232/Ethernet
C50C002	≥ 20mm	1D/2D code	Infrared light	RS-232/Ethernet
C50C003	≥ 20mm	1D/2D code	Red light	RS-232/Ethernet
C50C100	≥ 20mm	1D/2D code	White light	RS-232/Ethernet/PROFINET
C50C101	≥ 20mm	1D/2D code	Infrared light	RS-232/Ethernet/PROFINET
C50C102	≥ 20mm	1D/2D code	Red light	RS-232/Ethernet/PROFINET
1D/2D handheld scanners				
CSLH001	38...394mm	1D/2D code	Red light	Bluetooth (CLASS II)
CSLH002	38...394mm	1D/2D code	Red light	Bluetooth (CLASS II)
FIS-HS21-0100	38...394mm	1D/2D code	Red light	USB
FIS-HS21-0103	38...394mm	1D/2D code	Red light	RS-232
FIS-HS41X-0100	38...394mm	1D/2D code	Red light	USB
FIS-HS41X-0103	38...394mm	1D/2D code	Red light	RS-232
FIS-6170-0100	0...51mm	1D/2D code	Red light/blue light	USB



Discover further innovations.



More information concerning our products is available at:
www.wenglor.com