

GS F50 Fixed-Mount Industrial Scanner

Outstanding decoding performance

GS F50 has remarkable barcode reading performance. Whether it's common 1D barcodes or intricate 2D barcodes, this scanner handles them all with ease no matter the barcodes printed on paper labels, etched onto product surfaces, and even displayed on mobile screens. What's even more impressive is it can effortlessly read Direct Part Marking (DPM) barcodes.

Extensive application scenarios

The GS F50 finds diverse applications across a wide range of fields-swift and efficient checkout processed in retail, ticket information inquiry in ticketing, production data-trace in production of precision electronic components, food quality and safety in food production management. In summary, GS F50 provides a dependable barcode reading solution for various scenarios.

Multiple power options and communication protocols

To cater to diverse scenarios, the F50 offers an array of communication protocols, encompassing USB HID keyboard, USB virtual serial port, RS232 serial port, Ethernet interface, and TCP/IP protocol. It further includes one Optically Isolated Input and one Optically Isolated Output IO, while boasting an extensive power supply range spanning from DC 5V to 30V. When utilizing the USB interface, it conveniently draws power from the USB source.

Generalscan easyscan software

The EasyScan software provided free by Generalscan is convenient for you to set up scanning for GS industrial fixed series products in the shortest time. Parameters can also be set for barcodes of different barcode media, printing methods, colors, and sizes to achieve the best scanning results. You can see the set parameters, decoded image, decoded speed, decoded result, statistically decoded stability, etc. in EasyScan. This software can satisfy you to modify all the functions of the scanner.



ACCESSORIES



USB CABLE



RS232 CABLE

ETHERNET CABLE

PRODUCT SPEC SHEET

GS F50 Fixed-Mount Scanner

PHYSICAL PARAMETER

Dimensions	1.9in. (L) x 1.6in. (W) x 0.9in. (H); 48mm(L) x 40mm(W) x 22mm(H)
Weight	65g
Power	5-30V DC
Material	ABS/PC
Interface	12 pin M12 Aviation Connector
Indication	LED, Buzzer

PERFORMANCE CHARACTERISTICS

Optical Resolution	640 x 480 pixels 60FPS
Shutter Type	Global Shutter
Field of View	L: 22°
Illumination	Highlight red light
Aiming	Two Green Dots
Supported Symbologies	1D: Code128, Code93, Code39, Interleaved 2 of 5, Industrial 2 of 5, IAN/EAN/UPC 2D:QR, DataMatrix, PDF417, Aztec
Communication Interface	USB COM, USB Keyboard; RS232; Ethernet(TCP/IP)
Configurable IO	One optically isolated input, NPN/PNP/Relay available One optically isolated output

USER ENVIRONMENT

Ambient Light	Max 100,000 lux (direct sunlight)
Operating Temperature	32°F ~ 122°F / 0°C ~ 50°C
Storage Temperature	-4°F ~ 158°F / -20°C ~ 70°C
Drop Spec.	6 sides x 5 times/side = 30 times from 3.9 ft. /1.2m drops to cement floor
IP Level	IP54
Electrostatic Discharge (ESD)	±8KV dc contact discharge; ±15KV dc air discharge; ±20KV dc coupling discharge

DECODE RANGE

3.3mil Code 128	3.8in. - 4.7 in. /97.0mm - 119.0mm
4.9mil Code 128	3.3in. - 7.0 in. /83.0mm - 179.0mm
8.2mil Code 128	2.2in. -11.7in. /57.0mm - 298.0mm
9.9mil Code 128	1.8in. -13.2in. /46.0mm - 335.0mm
DM ECC200 18.0 x 18.0 Size: 3.0 x 3.0mm	3.3in. - 5.9 in. /85.0mm - 151.0mm
DM ECC200 18.0 x 18.0 Size: 5.3 x 5.3mm	2.4in. -11.0in. /60.0mm - 281.0mm
DM ECC200 18.0 x 18.0 Size: 8.3 x 8.3mm	2.0in. -13.8in. /51.0mm - 350.0mm

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