

OEM Automatic Ltd

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ZEBRA FS80 CODE READER

FS80-CM0507C00W FS80, C-Mount, 5 MP, DPM W/ Fast, 2D, W/ DL OCR, USB and Industrial Protocols, Lens Not Included -Worldwide **₹.ZEBRA**

- Decoding of both 1D and 2D barcodes
- Can read barcodes in many conditions including damaged codes and codes on device screens
- Adjustable optics and illumination



PRODUCT DESCRIPTION

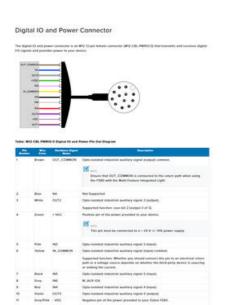
The Zebra FS80 Fixed Industrial Scanner is a high-performance code reader designed for demanding industrial environments that require fast, accurate barcode reading. Equipped with a powerful 2.3 MP image sensor and Zebra's advanced PRZM Intelligent Imaging technology, the FS80 delivers rapid, reliable decoding of both 1D and 2D barcodes, even those that are poorly printed, damaged, or displayed on electronic screens. Its customisable illumination, adjustable optics, and comprehensive decoding algorithms make it suitable for complex use cases involving high-speed production lines or intricate label designs. The FS80 also offers connectivity via USB, Ethernet, and Serial interfaces, and supports Power-over-Ethernet (PoE) for simplified installation. It can be configured using Zebra's Aurora™ software platform, allowing for intuitive setup, remote management, and real-time diagnostics.

The Zebra FS80 is ideal for automated manufacturing, warehouse logistics, and quality assurance systems. Its rugged IP65-rated enclosure protects it from dust and water, making it suitable for harsh industrial environments. With optional features like liquid lens technology for dynamic focus adjustment, the FS80 can handle variable working distances, making it especially useful in assembly lines where products differ in size and placement. Additionally, its fast decode speeds and ability to read multiple codes in a single image enable increased throughput and reduced error rates in automated workflows. The FS80's compact design and flexible mounting options ensure seamless integration into both new and existing automation systems.

TECHNICAL DATA

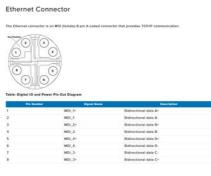
12415_Certification - Environment	EN IEC 63000:2018
12416_Certification - Electricity	UL, CSA, IEC 61010
12417_Certification - EMC	EN 55011, EN 61326, FCC Part 15
12418_Dimensions (with lens cap)	75 x 120 x 75 mm
12419_Dimensions (without lens cap)	75 x 57 x 75 mm
12420_Weight (with lens cap)	504 g
12421_Weight (without lens cap)	407 g
Current consumption	15 W (625 mA @ 24 VDC)
Focus	Manual iris
Frame Rate Max	42

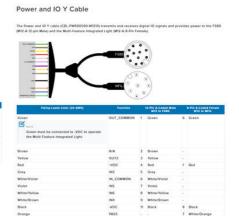
Interface out	One M12 X-Coded 1GbE, One M12-A 12-pin (female) Power & GPIO, One M12-A 12-pin (male) VGA
Javascript Support	Yes
Lens Barrel	C-Mount
Material	Aluminium
Pixel Size	3.2 x 3.2 μm
Resolution	5 MP
Size	75 x 120 x 75 mm
Software performance	DPM W/ Fast 2D Barcode Decoder W/ DL OCR
Storage	32 GB
Temperature range	0 °C till 45 °C
Type of lens	Fixed
Type of scanner	Fixed Scanner



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Digital IO and Power Connector

The digital IO and power connector is an MO IQ girls female committer SMS-CIE. PMROV(I) that impressits and receives digital IVO regists and presiden power its year dentice.

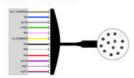


Table: MIS CBL PWRID'S Digital ID and Power Pin Out Diagram

		Marine State	MANUAL TO A STATE OF THE STATE		
	Brown	DUT_COMMON	Care initialed industrial exellent signal instead common.		
			M Note: Empire that DOT, COMMON is connected to the return path where using the F280 with the Matt Explane integrated Light.		
2	then	NA.	Not Supported		
1	white	outs	Open harmond projectives asserting viginal 2 (surport).		
			Eupported function: soon bit 2 (autput 3 of 16.		
	Dreet	+ VDC	Positive pin of the power presided to your dovice.		
			This per myel be connected to a + 24 V of NIN power supply		
4.	Pine :	P(2	Care-instant insulation auctiony signal 3 disputs		
	Yolton	IN. DOMMON	Open-incomed industrial austrary regret (reput) common		
			Supported function: Whether pay should connect this pin to an associacy select path or a visitage course Superior on whether the third party flavour is country or showing the current;		
+	Buck	ns.	Opto-numeral reduction numbers require 6 draws:		
	ting:	met.	W,AUX IOS		
	Red	794	Opto-instinted instintrial excillent signed 4 (input).		
10.	Viete	outs.	State-translated industrial auxiliary suprail 8 (matgard).		
**	Soyfine	- wint	Nagative pin of the power provided to your Zobra FMRs.		
			This pin must be connected to the electrical values path.		
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			Supported Section area of Contract 2 of 3s.		

Ethernet Connector

The Ethernet connector is an M12 (female) 8-pin X-coded connector that provides TCP/IP communication.



Table: Digital IO and Power Pin-Out Diagram

Pin Number	Signal Name	Description		
	MDI_1+	Bidirectional data A+		
2	MDI_1-	Bidirectional data A-		
3	MD1_2+	Bidirectional data B+		
4	MDI_2-	Bidirectional data B-		
S	MDI_4+	Bidirectional data D+		
6	MDI_4-	Bidirectional data D-		
7	MOL3-	Bidirectional data C-		
8	MDI_3+	flidirectional data C+		

Power and IO Y Cable

The Power and IO Y cable (CBL-PWR00500-M1210) transmits and receives digital IO signals and provides power to the Ft



OUT_COMMON	1	100000000000000000000000000000000000000	6	Green
N/A	2	Brown		
OUT2	2	Yellow		
+VDC	4	Red	1	Red
IN3	5	Grey		
IN_COMMON	6	White/Violet		
INS	7	Violet		
ING		White/Yellow		
IN4	9	White/Brown		
VDC	15	Black	8	Black
PASS			7	White/Orange
FAIL			2	White/Blue
RESERVED_PROG			3	White/Green
	OUT_COMMON N/A OUT2 -VOC IN3 IN_COMMON IN6 IN6 IN6 IN6 IN7 PASS FAIL	OUF_COMMON 1 NIA 2 OUT2 3 -VIDC 4 INS 5 IN_COMMON 6 INS 7 INS 8 INS 9 -VIDC 11 PASS - FASI -	With or Hale	NA