

OEM Automatic Ltd

Address: Whiteacres, Whetstone Leicester, LE8 6ZG 0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

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



- 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

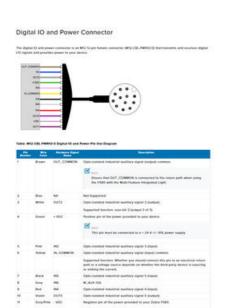
The Zebra FS80 Fixed Industrial Scanner is a high-performance code reader designed for demanding industrial environments that require fast, accurate barcode reading. Equipped with a powerful 2.3 MP image sensor and Zebra's advanced PRZM Intelligent Imaging technology, the FS80 delivers rapid, reliable 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

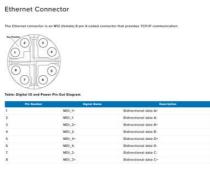
12408_Pixelsize	3.2 x 3.2 μm
12410_Frame rate Max	42
12413_Javascript support	Yes
12415_Certification - Environment	EN IEC 63000:2018
12416_Certification - Electricity	UL, CSA, IEC 61010
12417_Certification - EMC	EN 55011, EN 61326, FCC Part 15
12418_Dimensions (with lens cap)	75 x 120 x 75 mm
12419_Dimensions (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
Interface out	One M12 X-Coded 1GbE, One M12-A 12-pin (female) Power & GPIO, One M12-A 12-pin (male) VGA
Lens Barrel	C-Mount
Material	Aluminium
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



Opto-human industrial australy upon 1 (autput).
Supported function unarried 1 (subject 2 of 3).

ti Antilius (UT)





Power and IO Y Cable

Digital IO and Power Connector

The digital IO and power connector is an MO IQ girls female committer SMS-CIE. PMROV(I) that impresents and receives digital IVO registal and presents assess its year dentice.

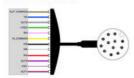


Table: MIS CBL PWRID'S Digital ID and Power Pin Out Diagram

-		Marine State	THE STATE OF THE S
	Brown	DUT_COMMON	Care initialed industrial exellent signal instead common.
			M Note: Empire that DQT_COMMON is connected to the return path where using the F280 with the Matti Explane integrated Light.
2	ther	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 much be connected to a + 24 V +1 TEN 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	nvi.	Opto-turned reductive auxiliary region 5 drayets
	Day	met.	W,AIR 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 viscosical return path.
Ú.	Ave Nive	ours	Opto-harisman industrial qualitary signal 1 soutputs.
			Supported Sentine and 64 States 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		
	MDL_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



Flying Leads Color (24 AWG)			12-Pin A-Coded Male M12 In FSE0	B-Pin A-Coded Fenale W12 to MFIL		
Green Green must be cornected to -VDC to operate the Multi-Feature Integrated Light.	OUT_COMMON	1	Green	6	Green	
Brown	N/A	2	Brown			
Yellow	OUT2	2	Yellow			
Red	-VDC	4	Red	1	Red	
Grey	IN3	5	Grey			
White/Violet	IN_COMMON	6	White/Violet			
Violet	INS	7	Violet			
White/Yellow	ING.		White/Yellow			
White/Brown	1944	9	White/Brown			
Black	VDC	15	Black		Black	
Orange	PASS			7	White/Orange	
Stue	FAIL			2	White/Blue	
White/Green	RESERVED_PROG			3	White/Green	