

FS80

FS80-CM0507C00W

FS80 C-Mount Fixed Industrial Scanner: 5 MP, DPM W/
Fast 2D Barcode Decoder W/ DL OCR, USB and
Industrial Protocols

- Upplösning: 5-16 Megapixel
- Pixelstorlek: 3.2µm
- Bildhastighet: upp till 42 fps



PRODUKTBESKRIVNING

FS80 är Zebbras mest avancerade fasta industriella skanner, skapad för logistikkedjans mest krävande miljöer. Med högupplöst sensor och snabb bildbehandling säkerställer FS80 maximal läsbarhet – även i höga hastigheter och på långt avstånd. Tack vare en bred synfält, stor skärpedjup och intelligent belysning kan FS80 ersätta flera traditionella kameror, vilket förenklar installation och minskar kostnader. Med intuitiva Zebra Aurora Focus får du full kontroll, högre precision och ökad produktivitet – varje dag.

TEKNISK DATA

Bildfrekvens max	42
Certifiering - EI	UL, CSA, IEC 61010
Certifiering - EMC	EN 55011, EN 61326, FCC Part 15
Certifiering - Miljö	EN IEC 63000:2018
Fokus	Manual iris
Interface out	One M12 X-Coded 1GbE, One M12-A 12-pin (female) Power & GPIO, One M12-A 12-pin (male) VGA
JavaScript-stöd	Ja
Lagring	32 GB
Linsfattning	C-Mount
Linstyp	Fixed
Luftfuktighet	Max 99 % (icke-kondenserande)
Material	Aluminium
Mått (med linslock)	75 x 120 x 75 mm

Mått (utan linslock)	75 x 57 x 75 mm
PC-utvecklingsverktyg	Aurora Focus
Pixelstorlek	3.2 x 3.2 µm
Software performance	DPM W/ Fast 2D Barcode Decoder W/ DL OCR
Storlek	75 x 120 x 75 mm
Strömförbrukning	15 W (625 mA @ 24 VDC)
Temperaturområde	0 °C till 45 °C
Typ av scanner	Fixed Scanner
Upplösning	5 MP
Vikt (med linslock)	504 g
Vikt (utan linslock)	407 g

Digital IO and Power Connector

The digital IO and power connector is an M12 12-pin female connector (M12-CBL-PW0500) that transmits and receives digital IO signals and provides power to your device.

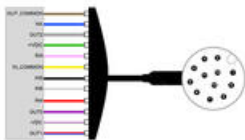


Table: M12-CBL-PW0500 Digital IO and Power Pin-Out Diagram

Pin Number	Wire Color	Recommended Signal Name	Description
1	Brown	OUT_COMMON	Open-isolated industrial auxiliary signal (output) common. Ensure that OUT_COMMON is connected to the return path when using the F580 with the Multi-Feature Integrated Light.
2	White	OUT2	Open-isolated industrial auxiliary signal 2 (output). Supported function: user bit 2 (output 2 of 3).
3	Green	-VDC	Positive pin of the power provided to your device. This pin must be connected to a +24 V (-10% power supply).
4	Yellow	IN_COMMON	Open-isolated industrial auxiliary signal (input) common. Supported function: Whether you should connect this pin to an electrical return path or a voltage source depends on whether the third-party device is sourcing or sinking the current.
5	Black	IN5	Open-isolated industrial auxiliary signal 5 (input).
6	Grey	IN6	M_AUX IO6
7	Red	IN4	Open-isolated industrial auxiliary signal 4 (input).
8	Violet	OUT1	Open-isolated industrial auxiliary signal 1 (output).
9	White/Brown	-VDC	Negative pin of the power provided to your Zebra F580. This pin must be connected to the electrical return path.
10	Black	OUT1	Open-isolated industrial auxiliary signal 1 (output).
11	Red/Blue	OUT1	Open-isolated industrial auxiliary signal 1 (output). Supported function: user bit 1 (output 2 of 3).

Ethernet Connector

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

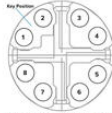
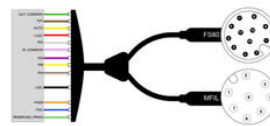


Table: Digital IO and Power Pin-Out Diagram

Pin Number	Signal Name	Description
1	MDI_1-	Bidirectional data A-
2	MDI_1+	Bidirectional data A+
3	MDI_2-	Bidirectional data B-
4	MDI_2+	Bidirectional data B+
5	MDI_4-	Bidirectional data D-
6	MDI_4+	Bidirectional data D+
7	MDI_3-	Bidirectional data C-
8	MDI_3+	Bidirectional data C+

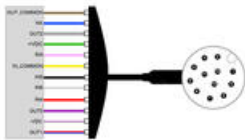
Power and IO Y Cable

The Power and IO Y cable (CBL-PW0500-M1210) transmits and receives digital IO signals and provides power to the F580 (M12-A 12-pin Male) and the Multi-Feature Integrated Light (M12-A 8-pin Female).



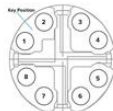
Flying Leads Color (24 AWG)	Function	12 Pin A Coded Male M12 to F580	8 Pin A Coded Female M12 to MFL
Green	OUT_COMMON	1 Green	6 Green
☒ Green			
Green must be connected to -VDC to operate the Multi-Feature Integrated Light.			
Brown	N/A	2 Brown	-
Yellow	OUT2	3 Yellow	-
Red	-VDC	4 Red	1 Red
Grey	IN3	5 Grey	-
White/Violet	IN_COMMON	6 White/Violet	-
Violet	IN5	7 Violet	-
White/Yellow	IN6	8 White/Yellow	-
White/Brown	IN4	9 White/Brown	-
Black	-VDC	10 Black	8 Black
Orange	PASS	-	7 White/Orange
Blue	FAIL	-	2 White/Blue
White/Green	RESERVED_PROG	-	3 White/Green

The digital I/O and power connector is an MPU I/O pin header connector (MPU I/O) that transmits and receives digital I/O signals and provides power to your device.



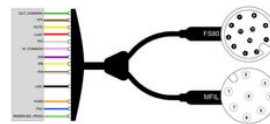
No.	Fit	Wiring	Technical Support	Recommendation
1	Green	OUT - COMMON	Open-terminal industrial auxiliary voltage (output) common.	
2			 Shows that OUT - COMMON is connected to the return path when using the FSR0 with the Multi-Feature Integrated Light.	
3	Pink	NA	Not supported	
4	White	OUT2	Open-terminal industrial auxiliary voltage 2 (output).	
			Supported function: see table 2 (output 2 of 3).	
5	Green	+VDC	Positive pole of the power provided to your device.	
			 This pin must be connected to a +24 V or +18V power supply.	
6	Pink	NE2	Open-terminal industrial auxiliary voltage 3 (output).	
7	Yellow	IN - COMMON	Open-terminal industrial auxiliary voltage (input) common.	
			Supported function: Whether you should connect this pin to an electrical return path or a voltage source depends on whether the third-party device is sourcing or sinking the current.	
8	Black	NE5	Open-terminal industrial auxiliary voltage 5 (output).	
9	Grey	NA	Not supported	
10	Blue	NE4	Open-terminal industrial auxiliary voltage 4 (output).	
11	Violet	OUT1	Open-terminal industrial auxiliary voltage 1 (output).	
12	Grey/Pink	+VDC	Negative pole of the power provided to your device (FSR0).	 This pin must be connected to the electrical return path.
13	Red/White	OUT1	Open-terminal industrial auxiliary voltage 1 (output).	Supported function: see table 2 (output 2 of 3).

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



	Pia Number	Signal Name	Description
1	MDL_1*		Bidirectional data A*
2	MDL_1		Bidirectional data A
3	MDL_2*		Bidirectional data B*
4	MDL_2		Bidirectional data B
5	MDL_4*		Bidirectional data D*
6	MDL_4		Bidirectional data D
7	MDL_3*		Bidirectional data C*
8	MDL_3*		Bidirectional data C*

The Power and IO Y cable (CBL-PWR00500-M1210) transmits and receives digital IO signals and provides power to the FS80 (M12-A 12-pin Male) and the Multi-Feature Integrated Light (M12-A 8-Pin Female).



Pin	Pin Label	Function	12 Pin A-Center Male M12 to F850	8 Pin A-Center Female M12 to M12
Green		OUT_COMMON	1 Green	6 Green
	Green must be connected to -VDC to operate the Multi-Feature Integrated Light.			
Brown		N/A	2 Brown	-
Yellow		OUT2	3 Yellow	-
Red		-VDC	4 Red	1 Red
Grey		IN3	5 Grey	-
White/Violet		IN_COMMON	6 White/Violet	-
Violet		IN5	7 Violet	-
White/Yellow		IN6	8 White/Yellow	-
White/Brown		IN4	9 White/Brown	-
Black		-VDC	10 Black	8 Black
Orange		PASS	7 White/Orange	-
Blue		FAIL	-	2 White/Blue
White/Green		RESERVED_PROG	-	3 White/Green