



## FS80

FS80-CM0507C00W

- Rozlišení: 5–16 megapixelů
- Velikost pixelu: 3,2 µm
- Snímková frekvence: až 42 snímků za sekundu
- Integrované ostření a osvětlení
- Krytí IP: IP67



### POPIS PRODUKTU

Pevný průmyslový snímač Zebra FS80 představuje špičkové řešení pro náročné aplikace sledování v logistice a výrobě, které vyžadují vysokou rychlost snímání, široké zorné pole a čtení na velkou vzdálenost. Je vybaven snímači s vysokým rozlišením, výkonným integrovaným osvětlením a je spravován pomocí intuitivní softwarové platformy Zebra Aurora Focus, která zjednodušuje nastavení, nasazení a provoz. Díky své robustní konstrukci (IP67), flexibilním možnostem připojení a sadě C-mount objektivů je FS80 navržen tak, aby optimalizoval produktivitu a nahradil několik standardních kamer, čímž snižuje náklady a složitost instalace.

#### Klíčové body:

- FS80 je navržen pro náročné sledovací a trasovací aplikace v logistice a výrobě.
- Díky snímačům s vysokým rozlišením a výkonnému osvětlení dokáže snímat rychle se pohybující kódy na velkou vzdálenost.
- Integrované multifunkční světlo (ZIML) je k dispozici v bílé, červené nebo infračervené variantě pro optimální čitelnost.
- Software Zebra Aurora Focus sjednocuje správu všech pevných průmyslových skenerů a zjednodušuje jejich nasazení.
- Odolné pouzdro s krytím IP67 a konektory M12 zajišťují spolehlivý provoz v náročných průmyslových podmínkách.
- Zařízení podporuje různé C-mount objektivy (8 mm až 35 mm) a doplňky jako polarizační filtry.
- Softwarové licence umožňují rozšíření funkcí, například pro rychlejší snímání nebo pokročilé OCR.
- Skener poskytuje vizuální i zvukovou zpětnou vazbu o stavu čtení, viditelnou i v hlučném prostředí.
- Podporuje širokou škálu komunikačních protokolů včetně TCP/IP, Ethernet/IP a PROFINET.
- Volitelný polarizační kryt zlepšuje čtení na reflexních površích nebo přes plastové fólie.

### SPECIFIKACE

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

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	Ano
Lens Barrel	C-Mount
Material	Hliník
Pixel Size	3.2 x 3.2 μm
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 scanner	Fixed Scanner

#### Digital IO and Power Connector

The digital IO and power connector is an M12 12-pin female connector (M12-CBL-PWRIO-1) that transmits and receives digital IO signals and provides power to your device.

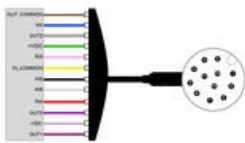


Table: M12-CBL-PWRIO-1 Digital IO and Power Pin-Out Diagram

Pin Number	Wire Color	Electrical 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	Blue	NA	Not Supported
3	White	OUT2	Open-isolated industrial auxiliary signal 2 (output). Supported function: see table 2 (page 2 of 3).
4	Green	-VDC	Positive pin of the power provided to your device. This pin must be connected to a +24 V (±10% power supply).
5	Pink	IN3	Open-isolated industrial auxiliary signal 3 (input).
6	Yellow	IN_COMMON	Open-isolated industrial auxiliary signal (input) common. Supported function: Whether you should connect this pin to an electrical return path for a voltage source depends on whether the third-party device is sourcing or sinking the current.
7	Black	IN5	Open-isolated industrial auxiliary signal 5 (input).
8	Grey	IN6	M_AJCT_IO6
9	Red	IN4	Open-isolated industrial auxiliary signal 4 (input).
10	Violet	OUT3	Open-isolated industrial auxiliary signal 6 (output).
11	Sage/White	-VDC	Negative pin of the power provided to your Zebra F580. This pin must be connected to the electrical return path.
12	Red/Blue	OUT1	Open-isolated industrial auxiliary signal 1 (output). Supported function: see table 1 (page 2 of 3).

#### Ethernet Connector

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

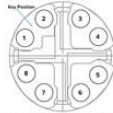
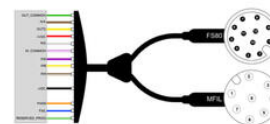


Table: Digital IO and Power Pin-Out Diagram

Pin Number	Signal Name	Description
1	MDI_7	Bidirectional data A-
2	MDI_5	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-PWRIO500-M210) 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	M12 Pin A Coded Male M12 to F580	M12 Pin A Coded Female M12 to F580
Green	OUT_COMMON	1	Green
<input checked="" type="checkbox"/> 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
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
Orange	PASS	-	7
Blue	FAIL	-	2
White/Green	RESERVED_PROG	-	3

## Digital IO and Power Connector

The digital IO and power connector is an M12 12-pin female connector (M12-CBL-PWRIO3) that transmits and receives digital I/O signals and provides power to your device.

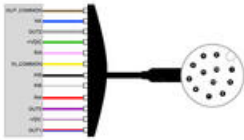


Table: M12-CBL-PWRIO3 Digital IO and Power Pin-Out Diagram

Pin Number	Wire Color	Module's Output 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	Blue	NA	Not Supported
3	White	OUT2	Open-isolated industrial auxiliary signal 2 (output). Supported function: see bit 2 (output 2 of 3).
4	Green	+VDC	Positive pin of the power provided to your device.  This pin must be connected to a +24 V dc, 10% power supply.
5	Red	IN2	Open-isolated industrial auxiliary signal 3 (input).
6	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.
7	Black	IN5	Open-isolated industrial auxiliary signal 5 (input).
8	Grey	IN6	M_AIN1-IOA
9	Red	IN4	Open-isolated industrial auxiliary signal 4 (input).
10	Violet	OUT5	Open-isolated industrial auxiliary signal 5 (output).
11	Orange/White	-VDC	Negative pin of the power provided to your Zebra F580.  This pin must be connected to the electrical return path.
12	White/Blue	OUT1	Open-isolated industrial auxiliary signal 1 (output). Supported function: see 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.

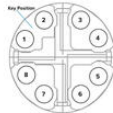
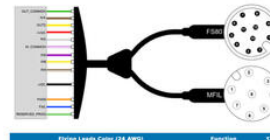


Table: Digital IO and Power Pin-Out Diagram

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-PWRIO500-M1210) transmits and receives digital IO signals and provides power to the F580 (M12 & 12-pin Male) and the Multi-Feature Integrated Light (M12 & 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 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