

FS80

FS80-CM1207Z00W

FS80 C-Mount Fixed Industrial Scanner: 12 MP,
Standard 2D Barcode Decoder, 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	28
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	Standard 2D Barcode Decode
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	12 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.

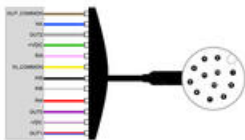


Table: M12-CBL-PW0500 Digital IO and Power Pin-Out Diagram

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.

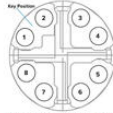
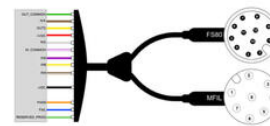


Table: Digital IO and Power Pin-Out Diagram

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 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

Digital IO and Power Connector

The digital IO and power connector is an M12 12-pin female connector (M12-CBL-PWRIO-3) that transmits and receives digital I/O signals and provides power to your device.

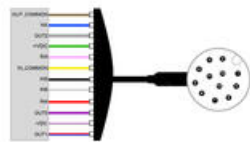


Table: M12-CBL-PWRIO-3 Digital IO and Power Pin-Out Diagram

Pin Number	Wire Color	Module Name	Description
1	Brown	OUT_COMMON	Open-isolated industrial auxiliary signal (output) common. NOTE 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: user I/O 2 (output 2 of 3).
4	Green	+VDC	Positive pin of the power provided to your device. NOTE 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. NOTE 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	IN_AICR I/O.
9	Red	IN4	Open-isolated industrial auxiliary signal 4 (input).
10	Violet	OUT3	Open-isolated industrial auxiliary signal 3 (output).
11	Sage/White	-VDC	Negative pin of the power provided to your Zebra F580. NOTE This pin must be connected to the electrical return path.
12	Red/Blue	OUT1	Open-isolated industrial auxiliary signal 1 (output). Supported function: user I/O 1 (output 2 of 3).

Ethernet Connector

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

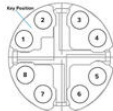
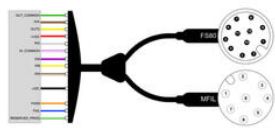


Table: Digital IO and Power Pin-Out Diagram

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-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
NOTE 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