

## FS40

Skanner för streckkodsläsning med PoE

FS40-SR20D5-4C00W

FS40, SR, 2.3 MP, DPM, Fast 2D, BLUE, Dual Ethernet

- Upplösning: 2.3 / 5.1 Megapixel
- Pixelstorlek: 3.0 / 2.2  $\mu\text{m}$
- Bildhastighet: 60 / 30 fps
- Integrerad fokus och belysning
- IP-klassning: IP65 & IP67



## PRODUKTBESKRIVNING

Spåra varje föremål i din produktion med FS40 i realtid. Tack vare flera anslutningsalternativ är det enkelt integrera med din PLC.

Zebbras kraftfulla Aurora mjukvara med sitt intuitiva gränssnitt gör FS40 enkel att installera, distribuera och använda. Det går även att enkelt upgradera din skanner för att få tillgång till nya funktioner och framtidssäkra din investering.

## TEKNISK DATA

|                      |                                                           |
|----------------------|-----------------------------------------------------------|
| Belysning            | Blå                                                       |
| Fokus                | Liquid lens                                               |
| Interface out        | Dual Ethernet (1 POE), Serial, USB & Industrial Protocols |
| Linstyp              | Standard range                                            |
| Software performance | DPM W/Fast 2D Barcode Decoder                             |
| Storlek              | 54.0 x 64.0 x 91.4                                        |
| Typ av scanner       | Fixed Scanner                                             |
| Upplösning           | 2.3 MP                                                    |

# Specifications

| Decode Ranges (Typical Working Ranges) <sup>1</sup>                                                                      |            |               |
|--------------------------------------------------------------------------------------------------------------------------|------------|---------------|
| FS40-SR—30° FOV Lens                                                                                                     |            |               |
| Symbology/Resolution                                                                                                     | Near       | Far           |
| 5 mil Code 128                                                                                                           | 3 in./8 cm | 24 in./61 cm  |
| 10 mil Code 128                                                                                                          | 3 in./8 cm | 49 in./124 cm |
| 15 mil Code 128                                                                                                          | 3 in./8 cm | 70 in./178 cm |
| 20 mil Code 128                                                                                                          | 3 in./8 cm | 92 in./234 cm |
| 5 mil DataMatrix                                                                                                         | 3 in./8 cm | 13 in./33 cm  |
| 10 mil DataMatrix                                                                                                        | 3 in./8 cm | 28 in./71 cm  |
| 15 mil DataMatrix                                                                                                        | 3 in./8 cm | 40 in./102 cm |
| 30 mil DataMatrix                                                                                                        | 3 in./8 cm | 78 in./198 cm |
| FS40-WA—46° FOV Lens                                                                                                     |            |               |
| Symbology/Resolution                                                                                                     | Near       | Far           |
| 5 mil Code 128                                                                                                           | 3 in./8 cm | 14 in./36 cm  |
| 10 mil Code 128                                                                                                          | 3 in./8 cm | 30 in./76 cm  |
| 15 mil Code 128                                                                                                          | 3 in./8 cm | 42 in./107 cm |
| 20 mil Code 128                                                                                                          | 3 in./8 cm | 56 in./142 cm |
| 5 mil DataMatrix                                                                                                         | 3 in./8 cm | 8 in./20 cm   |
| 10 mil DataMatrix                                                                                                        | 3 in./8 cm | 18 in./46 cm  |
| 15 mil DataMatrix                                                                                                        | 3 in./8 cm | 27 in./69 cm  |
| 30 mil DataMatrix                                                                                                        | 3 in./8 cm | 52 in./132 cm |
| Footnotes                                                                                                                |            |               |
| 1. Some features available in a future release. Contact your Zebra Partner or sales representative for more information. |            |               |
| 2. Refer to Product Reference Guide for complete list of symbologies.                                                    |            |               |
| 3. Printing resolution, contrast, power source, illumination source, and ambient light dependent.                        |            |               |
| Specifications subject to change without notice.                                                                         |            |               |

## xS40 Connections

The xS40 supports connections for USB-C with DisplayPort, power serial and GPIO, x-coded Ethernet, and external lighting.

Figure: xS40 Connections



- 1 Power Serial and GPIO
- 2 USB-C (with DisplayPort)
- 3 External Lighting
- 4 X-Coded Ethernet Port

## Ethernet Connector

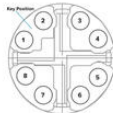


Table: Ethernet Connector Pinout Diagram

| Pin   | Description |
|-------|-------------|
| 1     | TP1+        |
| 2     | TP1-        |
| 3     | TP2+        |
| 4     | TP2-        |
| 5     | TP4+        |
| 6     | TP4-        |
| 7     | TP3-        |
| 8     | TP3+        |
| SHELL | SHIELD      |

## External Light Connector

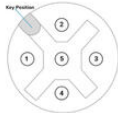


Table: External Light Connector Pinout Diagram

| Pin   | Color | Description    |
|-------|-------|----------------|
| 1     | Brown | DC_OUT / GPIOB |
| 2     | White | GPIO7          |
| 3     | Blue  | GND            |
| 4     | Black | GPIO6          |
| 5     | Grey  | ANALOG_OUT     |
| SHELL | Bare  | SHIELD         |

## Power and IO Connector

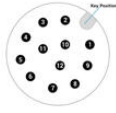


Table: Power and IO Connector Pinout Diagram

| Pin   | Color        | Description |
|-------|--------------|-------------|
| 1     | Yellow       | GPIO2       |
| 2     | White/Yellow | TXD         |
| 3     | Brown        | RXD         |
| 4     | White/Brown  | GPIO4       |
| 5     | Violet       | GPIO5       |
| 6     | White/Violet | COMMON_IN   |
| 7     | Red          | DC_IN       |
| 8     | Black        | GND         |
| 9     | Green        | COMMON_OUT  |
| 10    | Orange       | GPIO0       |
| 11    | Blue         | GPIO1       |
| 12    | Grey         | GPIO3       |
| SHELL | Bare         | SHIELD      |

# Specifications

| Decode Ranges (Typical Working Ranges) <sup>1</sup>                                                                      |            |               |
|--------------------------------------------------------------------------------------------------------------------------|------------|---------------|
| FS40-SR—30° FOV Lens                                                                                                     |            |               |
| Symbology/Resolution                                                                                                     | Near       | Far           |
| 5 mil Code 128                                                                                                           | 3 in./8 cm | 24 in./61 cm  |
| 10 mil Code 128                                                                                                          | 3 in./8 cm | 49 in./124 cm |
| 15 mil Code 128                                                                                                          | 3 in./8 cm | 70 in./178 cm |
| 20 mil Code 128                                                                                                          | 3 in./8 cm | 92 in./234 cm |
| 5 mil DataMatrix                                                                                                         | 3 in./8 cm | 13 in./33 cm  |
| 10 mil DataMatrix                                                                                                        | 3 in./8 cm | 28 in./71 cm  |
| 15 mil DataMatrix                                                                                                        | 3 in./8 cm | 40 in./102 cm |
| 30 mil DataMatrix                                                                                                        | 3 in./8 cm | 78 in./198 cm |
| FS40-WA—46° FOV Lens                                                                                                     |            |               |
| Symbology/Resolution                                                                                                     | Near       | Far           |
| 5 mil Code 128                                                                                                           | 3 in./8 cm | 14 in./36 cm  |
| 10 mil Code 128                                                                                                          | 3 in./8 cm | 30 in./76 cm  |
| 15 mil Code 128                                                                                                          | 3 in./8 cm | 42 in./107 cm |
| 20 mil Code 128                                                                                                          | 3 in./8 cm | 56 in./142 cm |
| 5 mil DataMatrix                                                                                                         | 3 in./8 cm | 8 in./20 cm   |
| 10 mil DataMatrix                                                                                                        | 3 in./8 cm | 18 in./46 cm  |
| 15 mil DataMatrix                                                                                                        | 3 in./8 cm | 27 in./69 cm  |
| 30 mil DataMatrix                                                                                                        | 3 in./8 cm | 52 in./132 cm |
| Footnotes                                                                                                                |            |               |
| 1. Some features available in a future release. Contact your Zebra Partner or sales representative for more information. |            |               |
| 2. Refer to Product Reference Guide for complete list of symbologies.                                                    |            |               |
| 3. Printing resolution, contrast, power source, illumination source, and ambient light dependent.                        |            |               |
| Specifications subject to change without notice.                                                                         |            |               |

## xS40 Connections

The xS40 supports connections for USB-C with DisplayPort, power serial and GPIO, x-coded Ethernet, and external lighting.

Figure: xS40 Connections



- 1 Power Serial and GPIO
- 2 USB-C (with DisplayPort)
- 3 External Lighting
- 4 X-Coded Ethernet Port

## Ethernet Connector



Table: Ethernet Connector Pinout Diagram

| Pin   | Description |
|-------|-------------|
| 1     | TP1+        |
| 2     | TP1-        |
| 3     | TP2+        |
| 4     | TP2-        |
| 5     | TP4+        |
| 6     | TP4-        |
| 7     | TP3-        |
| 8     | TP3+        |
| SHELL | SHIELD      |

## External Light Connector

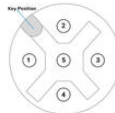


Table: External Light Connector Pinout Diagram

| Pin   | Color | Description    |
|-------|-------|----------------|
| 1     | Brown | DC_OUT / GPIOB |
| 2     | White | GPIO7          |
| 3     | Blue  | GND            |
| 4     | Black | GPIO6          |
| 5     | Grey  | ANALOG_OUT     |
| SHELL | Bare  | SHIELD         |

Power and IO Connector

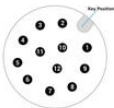


Table: Power and IO Connector Pinout Diagram

| Pin   | Color        | Description |
|-------|--------------|-------------|
| 1     | Yellow       | GPIO2       |
| 2     | White/Yellow | TXD         |
| 3     | Brown        | RXD         |
| 4     | White/Brown  | GPIO4       |
| 5     | Violet       | GPIO5       |
| 6     | White/Violet | COMMON_IN   |
| 7     | Red          | DC_IN       |
| 8     | Black        | GND         |
| 9     | Green        | COMMON_OUT  |
| 10    | Orange       | GPIO0       |
| 11    | Blue         | GPIO1       |
| 12    | Grey         | GPIO3       |
| SHELL | None         | SHIELD      |