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

# ZEBRA FS70 CODE READER

FS70-CM20F6-0C00W
FS70, C-Mount, 2.3 MP, Fast, 2D, ETHERNET, SERIAL, USB AND INDUSTRIAL PROTOCOLS, LENS NOT INCLUDED - WORLDWIDE



- Easy Setup: The FS70 features Auto-Tune for automatic setup, ensuring consistent and reliable read rates with just one button press
- IoT Ready: It can send images to Zebra Savanna or other cloud services, facilitating compliance with industry regulations without the need for server management
- Power Options: Supports Power-over-Ethernet (PoE) for reduced setup complexity, and can also be powered via a standard 24V DC supply or USB-C
- Customizable Scanning: The FS70 supports various external C-mount lenses and lighting solutions, allowing for flexibility in addressing complex application requirements
- Robust Performance: With an operating temperature range of 32°F to 113°F and environmental sealing rated at IP65 and IP67, the FS70 is designed for durability in industrial settings

### PRODUCT DESCRIPTION

The FS70 is the ultimate scanner when it comes to customization. By giving the user a variety of options, it can achieve flawless tracking in virtually any application and any environment. Choose from four image sensors and a world of C-mount lenses and lighting options.
Zebra's powerful and intuitive Aurora software platform gives you a tool to easily set up, deploy and run the FS70. Through a simple purchase of licenses, advanced functions can be added to meet new needs.

# TECHNICAL DATA

| | |
|---|---|
| **Interface out** | Ethernet, Serial, USB & Industrial Protocols |
| **Lens Barrel** | C-Mount |
| **Size** | 63.0 x 95.0 x 65.0 |
| **Software performance** | Fast 2D DECODER |

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 / GPIO8 |
| 2 | White | GPIO7 |
| 3 | Blue | GND |
| 4 | Black | GPIO6 |
| 5 | Grey | ANALOG_OUT |
| SHELL | Bare | SHIELD |

## Power and IO Connector

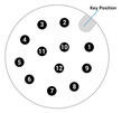


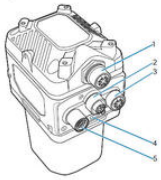

**Table: Power and I/O Connector Pinout Diagram**

| 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 |

## xS70 Connections

The xS70 supports connections for USB C with DisplayPort, power serial and GPIO, X-coded Ethernet, and external lighting.

**Figure:** xS70 Connections




| | |
|---|---|
| 1 | X-Coded Ethernet Port (Secondary) |
| 2 | External Lighting |
| 3 | X-Coded Ethernet Port |
| 4 | USB C (with DisplayPort) |
| 5 | Power Serial and GPIO |

## Ethernet Connector

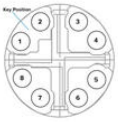



**Table: Ethernet Connector Pinout Diagram**

| 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 / GPIO8 |
| 2 | White | GPIO7 |
| 3 | Blue | GND |
| 4 | Black | GPIO6 |
| 5 | Grey | ANALOG_OUT |
| SHELL | Bare | SHIELD |

## Power and IO Connector

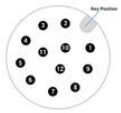


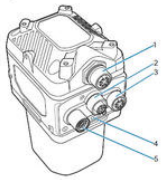

**Table: Power and I/O Connector Pinout Diagram**

| 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 |

## xS70 Connections

The xS70 supports connections for USB C with DisplayPort, power serial and GPIO, X-coded Ethernet, and external lighting.

**Figure:** xS70 Connections




| | |
|---|---|
| 1 | X-Coded Ethernet Port (Secondary) |
| 2 | External Lighting |
| 3 | X-Coded Ethernet Port |
| 4 | USB C (with DisplayPort) |
| 5 | Power Serial and GPIO |