



## ZEBRA FS42

Kamera viivakoodin luentaan ja deep learning  
OCR

FS42-WA20G4-2C00W

Lukija, 2D, 2.3MP, WA, Nopea, DL OCR, punainen  
valo, Ethernet/POE, USB



- Viivakoodin luentaan ja Deep Learning OCR
- 2.3MP ja 5.0MP versiot
- Lukunopeus jopa 60fps
- Liquid lens
- Liitännät: Ethernet/IP, PROFINET, Modbus TCP, TCP/IP, USB, RS-232

### TUOTEKUVAUS

Zebra FS42 on tehokas kiinteä teollisuuslukija, joka tarjoaa erinomaisen suorituskyvyn ja joustavuuden monenlaisiin teollisiin sovelluksiin. Tämä lukija on varustettu 2.3 MP tai 5.0 MP globaalilla sulkimella, joka mahdollistaa nopean 2D-viivakoodien dekodauksen. FS42 tukee useita liitäntäprotokollia, kuten Ethernet POE, sarjaliitäntä, USB ja muut väyläratkaisut. Tämä tekee siitä erittäin monipuolisen ja helposti integroitavan erilaisiin järjestelmiin. Zebra FS42:n ytimessä on Zebra Aurora Focus, intuitiivinen ohjelmistoalusta, joka on suunniteltu helpottamaan lukijoiden käyttöönottoa ja toimintaa. FS42:n suorituskyky ja lisääntynyt muistikapasiteetti mahdollistavat vaativien sovellusten, kuten syväoppimiseen perustuvan OCR:n ja kehittyneiden konenäkötehtävien, suorittamisen. Uusia työkaluja voidaan lisätä ohjelmistolisenssin avulla, mikä turvaa investoinnin tulevaisuutta varten.

### TEKNISET TIEDOT

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Javascript tuki      | Kyllä                                                 |
| Kehitysympäristö     | Aurora Focus                                          |
| Koko                 | 54.0 x 64.0 x 91.4 mm                                 |
| Liitäntä             | Ethernet with POE, Serial, USB & Industrial Protocols |
| Linssin tyyppi       | Wide angel                                            |
| Lukijan tyyppi       | Fixed Scanner                                         |
| Maksimi lukunopeus   | 60                                                    |
| Resoluutio           | 2.3 MP                                                |
| Software performance | Fast 2D Barcode Decoder w/ DL OCR                     |
| Tarkennus            | Liquid lens                                           |
| Valolähde            | Punainen                                              |

### Decode Ranges (Typical Working Ranges)<sup>3</sup>

#### FS42-SR—30° FOV Lens

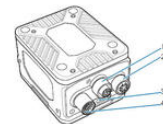
| Symbology/Resolution | Near       | SMP-SR Far    |
|----------------------|------------|---------------|
| 5 mil Code 128       | 3 in./8 cm | 33 in/83 cm   |
| 10 mil Code 128      | 3 in./8 cm | 65 in/166 cm  |
| 15 mil Code 128      | 3 in./8 cm | 98 in/249 cm  |
| 20 mil Code 128      | 3 in./8 cm | 131 in/332 cm |
| 5 mil DataMatrix     | 3 in./8 cm | 17 in/44 cm   |
| 10 mil DataMatrix    | 3 in./8 cm | 35 in/89 cm   |
| 15 mil DataMatrix    | 3 in./8 cm | 52 in/133 cm  |
| 30 mil DataMatrix    | 3 in./8 cm | 105 in/267 cm |

#### FS42-WA—46° FOV Lens

| Symbology/Resolution | Near       | SMP-WA Far   |
|----------------------|------------|--------------|
| 5 mil Code 128       | 3 in./8 cm | 20 in/52 cm  |
| 10 mil Code 128      | 3 in./8 cm | 41 in/104 cm |
| 15 mil Code 128      | 3 in./8 cm | 62 in/157 cm |
| 20 mil Code 128      | 3 in./8 cm | 82 in/209 cm |
| 5 mil DataMatrix     | 3 in./8 cm | 11 in/28 cm  |
| 10 mil DataMatrix    | 3 in./8 cm | 22 in/56 cm  |
| 15 mil DataMatrix    | 3 in./8 cm | 33 in/84 cm  |
| 30 mil DataMatrix    | 3 in./8 cm | 66 in/168 cm |

### Connections

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



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

### Power and IO Connector

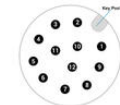


Table: Power and IO Connector Pinout Diagram

| 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       | GPIO6       |
| 11    | Blue         | GPIO1       |
| 12    | Grey         | GPIO3       |
| SHELL | Bare         | SHIELD      |

### Ethernet Connector

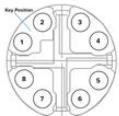


Table: Ethernet Connector Pinout Diagram

| Pin   | Description |
|-------|-------------|
| 1     | TP1+        |
| 2     | TP1-        |
| 3     | TP2+        |
| 4     | TP2-        |
| 5     | TP4+        |
| 6     | TP4-        |
| 7     | TP3-        |
| 8     | TP3+        |
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### External Light Connector

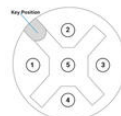


Table: External Light Connector Pinout Diagram

| Pin   | Color | Description    |
|-------|-------|----------------|
| 1     | Brown | DC_OUT / GPIO8 |
| 2     | White | GPIO7          |
| 3     | Blue  | GND            |
| 4     | Black | GPIO6          |
| 5     | Grey  | ANALOG_OUT     |
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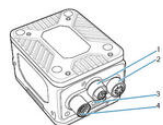
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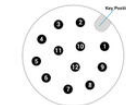


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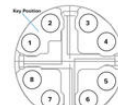


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External Light Connector

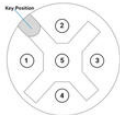


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