

FS42

En kamera designad för deep learning OCR

FS42-WA51G4-2C00W
Wide Angle, 5 MP, Fast 2D Barcode Decoder w/ DL
OCR, Red LED

- Upplösning: 2.3 Megapixel
- Pixelstorlek: 3.0 μm
- Bildhastighet: 60 fps
- Integrerad fokus och belysning
- NPU för ökad prestanda



PRODUKTBESKRIVNING

TEKNISK DATA

Belysning	Röd
Bildfrekvens max	42
Fokus	Liquid lens
Interface out	Ethernet with POE, Serial, USB & Industrial Protocols
JavaScript-stöd	Ja
Linstyp	Wide angel
Luftfuktighet	5% to 90% RH, non-condensing
PC-utvecklingsverktyg	Aurora Focus
Pixelstorlek	2.2 x 2.2 μm
Storlek	54.0 x 64.0 x 91.4 mm
Typ av scanner	Fixed Scanner
Upplösning	5 MP

Decode Ranges (Typical Working Ranges)³

FS42-SR—30° FOV Lens

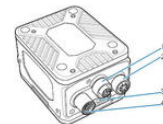
Symbology/Resolution	Near	SMP-SR Far
5 mil Code 128	3 in./8 cm	33 in/83 cm
10 mil Code 128	3 in./8 cm	65 in/166 cm
15 mil Code 128	3 in./8 cm	98 in/249 cm
20 mil Code 128	3 in./8 cm	131 in/332 cm
5 mil DataMatrix	3 in./8 cm	17 in/44 cm
10 mil DataMatrix	3 in./8 cm	35 in/89 cm
15 mil DataMatrix	3 in./8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

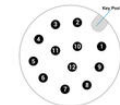


Table: Power and IO Connector Pinout Diagram

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

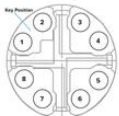


Table: Ethernet Connector Pinout Diagram

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

External Light Connector

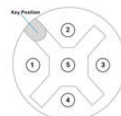


Table: External Light Connector Pinout Diagram

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

Decode Ranges (Typical Working Ranges)³

FS42-SR—30° FOV Lens

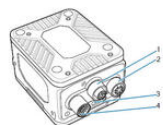
Symbology/Resolution	Near	SMP-SR Far
5 mil Code 128	3 in./8 cm	33 in/83 cm
10 mil Code 128	3 in./8 cm	65 in/166 cm
15 mil Code 128	3 in./8 cm	98 in/249 cm
20 mil Code 128	3 in./8 cm	131 in/332 cm
5 mil DataMatrix	3 in./8 cm	17 in/44 cm
10 mil DataMatrix	3 in./8 cm	35 in/89 cm
15 mil DataMatrix	3 in./8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

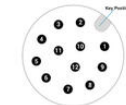


Table: Power and IO Connector Pinout Diagram

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

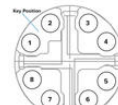


Table: Ethernet Connector Pinout Diagram

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

External Light Connector

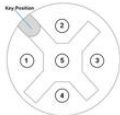


Table: External Light Connector Pinout Diagram

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