

ZEBRA NS42

Älykamera Zebra NS42

NS42-SR20T4-3C00W

Älykamera, 2.0MP, STD, ESSENTIAL MV AND DL
OCR, Valkoinen, Ethernet/POE, USB, kaikki
välätekniikat



- Älykamera 2.3MP kenno
- Lukunopeus jopa 60fps
- Liquid Lens
- Poikkeamien tunnistus (Anomaly Detection)
- Liitännät: Ethernet/IP, PROFINET, USB, Modbus TCP, TCP/IP, RS-232

TUOTEKUVAUS

Zebra NS42 on uuden sukupolven älykäs älykamera, joka tuo teollisuuden laadunvalvontaan ennennäkemätöntä tarkkuutta, tehokkuutta ja älykkyyttä. Se yhdistää tekoälypohjaisen optisen tekstintunnistuksen (DL-OCR), automaattisen poikkeamien tunnistuksen ja intuitiivisen Aurora Focus™ -ohjelmiston, mikä tekee siitä erinomaisen työkalun tuotantolinjojen laadunvarmistukseen ja kokoonpanon tarkistukseen.

NS42:n tehokas neliydinsuoritin ja laajennettu muistikapasiteetti takaavat sujuvan suorituskäytön myös vaativissa sovelluksissa. Laite tukee useita teollisuusprotokollia, kuten Ethernet/IP, PROFINET, Modbus TCP, TCP/IP ja RS-232, mikä mahdollistaa helpon integroinnin olemassa oleviin järjestelmiin. Joustava lisensiointimalli puolestaan mahdollistaa toiminnallisuuksien laajentamisen tarpeen mukaan – investointi, joka kasvaa yrityksesi mukana. Zebra NS42 soveltuu erinomaisesti tuotantolinjojen laadunvalvontaan, viivakoodien ja merkkien lukuun sekä virheiden automaattiseen tunnistukseen. Se on suunniteltu helpottamaan arkea ja parantamaan tuottavuutta – näe enemmän, tee enemmän.

TEKNISET TIEDOT

12408_Pixelsize	3 x 3 µm
Javascript tuki	Kyllä
Kehitysympäristö	Zebra Aurora
Koko	54.0 x 64.0 x 91.4 mm
Liitäntä	Ethernet with POE, Serial, USB & Industrial Protocols
Lukijan tyyppi	Fixed Scanner
Resoluutio	2.3 MP
Software performance	ESSENTIAL MV AND DL OCR
Tarkennus	Liquid lens
Valolähde	Valkoinen

Specifications

Recommended Services

Zebra OneCare Select™, Zebra OneCare Essential™

Decode Ranges (Typical Working Ranges)¹

NS42-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

NS42-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

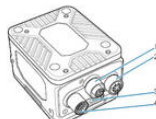
Footnotes

1. Refer to Product Reference Guide for complete list of symbologies.
2. Printing resolution, contrast, power source, illumination source, and ambient light dependent.

Specifications subject to change without notice.

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

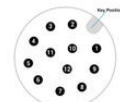


Table: Power and IO Connector Pinout Diagram

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

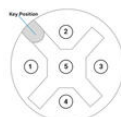


Table: External Light Connector Pinout Diagram

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

Specifications

Recommended Services

Zebra OneCare Select™, Zebra OneCare Essential™

Decode Ranges (Typical Working Ranges)¹

NS42-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

NS42-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

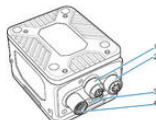
Footnotes

1. Refer to Product Reference Guide for complete list of symbologies.
2. Printing resolution, contrast, power source, illumination source, and ambient light dependent.

Specifications subject to change without notice.

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

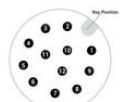


Table: Power and IO Connector Pinout Diagram

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

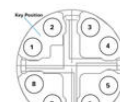


Table: Ethernet Connector Pinout Diagram

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