

## ZEBRA NS42

### Älykamera Zebra NS42

NS42-SR20N4-3C00W

Älykamera, 2.0MP, STD, ESSENTIAL MV AND ANOMALY DETECTION, Valkoinen, Ethernet/POE, kaikki väyläteknikat



- 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 suorituskyvyn 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 lisensointimalli 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

Javascript Support	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
Pixel Size	3 x 3 µm
Software performance	ESSENTIAL MV AND ANOMALY DETECTION
Tarkennus	Liquid lens
Valolähde	Valkoinen

# Specifications

## Recommended Services

Zebra OneCare Select™, Zebra OneCare Essential™

## Decode Ranges (Typical Working Ranges)<sup>1</sup>

### 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.

## Power and IO Connector

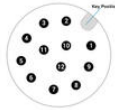


Table: Power and IO Connector Pinout Diagram

Pin	Color	Description
1	Yellow	GPIO2
2	White/Yellow	TXD
3	Brown	RXD
4	White/Brown	GPI04
5	Violet	GPI05
6	White/Violet	COMMON_IN
7	Red	DC_IN
8	Black	GND
9	Green	COMMON_OUT
10	Orange	GPI00
11	Blue	GPI01
12	Grey	GPI03
SHELL	Bare	SHIELD

## External Light Connector

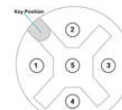


Table: External Light Connector Pinout Diagram

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

## Ethernet Connector

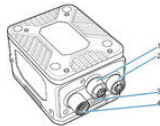


Table: Ethernet Connector Pinout Diagram

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

## 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

# Specifications

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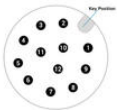


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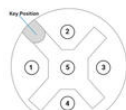


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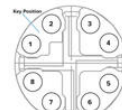
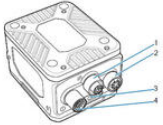


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