

KAMERA-ANTURI DATAVS2 PRO

DATAVS2-08REPRO

Kamera-anturi, 8mm, PRO

- 360° hahmontunnistus
- Viivakoodinluku, Datamatrix ja OCV
- 20 eri tarkistusta
- 3 ulostuloa
- RS232 liitäntä



TUOTEKUVAUS

Datalogicin DATAVS2 kamera-anturilla voidaan toteuttaa helposti ja nopeasti erilaisia konenäkösovellutuksia ja hahmontunnistuksia. DATAVS2 on itsenäinen kokonaisuus jossa integroituna punainen LED-valo, optiikka sekä elektroniikka. Anturi voidaan konfiguroida PC:llä Ethernet yhteyden kautta Datalogicin DataVS2 Graphic User Interface - ohjelmointi ohjelmalla tai erillisen VSM-näytön avulla. Anturin mukana tulee konfigurointiohjelma, jonka avulla asetusten määrittäminen etenee askeleittain.

DATAVS2 anturista on tarjolla neljä eri ohjelmistoversiota:

OBJ (Object Recognition) - sisältää 7 yleistä tunnistustyökalua joilla voidaan ratkaista suurin osa sovellutuksista.

AOR (Advanced Object Recognition) - sisältää OBJ-mallista löytyvien työkalujen lisäksi 360° hahmontunnistuksen, logiikkatyökalut ja tiedonsiirron Ethernetiin.

ID (Identification ID) - sisältää viivakoodin ja datamatriisin luennan sekä merkkien tarkastus.

PRO (Professional) - sisältää AOR- ja ID-mallien tunnistustyökalut.

TEKNISET TIEDOT

IP-luokka	IP50
Jännitetoleranssi	10%
Kotelon materiaali	Alumiini
Käyttöliittymä/Rajapinta	Ethernet 10/100 Mbps (4-napainen M12 -liitin)
Liitäntätyyppi	D-koodattu M12-liitin, 4-napainen, M12-liitin, 8-napainen
Linssin materiaali	ABS-muovi
Lukunopeus	60
Max. jännite DC	24 V
Max. käyttölämpötila	50 °C
Max. ulostulovirta	0,1 A

Max. virrankulutus	0,1 A
Min. jännite DC	24 V
Min. käyttölämpötila	-10 °C
Optiikka	8 mm integroitu linssi
Resoluutio	640x480 (VGA)
Ulostulo	3xPNP, RS232



Step 1: Image Setup

The first step consists in connecting the sensor and configuring the image quality parameters. When the desired results are obtained, the user can memorise the image that will be used as a template during sensor functioning.

Step 2: Teach

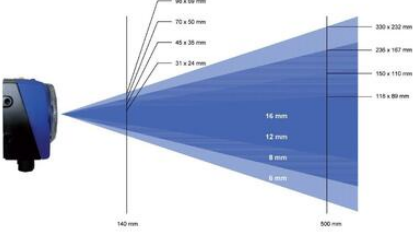
The second step establishes the acceptance criteria to distinguish objects from wastes. One or more controls can be selected according to the task to carry-out.

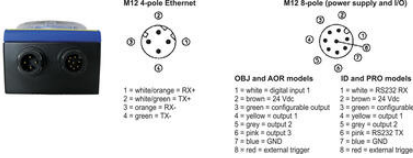
Step 3: Run

The third step configures the sensor digital outputs, simulates sensor functioning on the PC to verify the controls chosen and activates the operating phase on the sensor using the PC only to control the diagnostics.

Locators	Functioning
Barcode	Finds a barcode in the Region Of Interest and re-locates all the other inspection controls accordingly.
Datamatrix	Finds a datamatrix code in the Region Of Interest and re-locates all the other inspection controls accordingly.
360° Contour Match	Finds a reference template in the Region Of Interest and re-locates all the other inspection controls accordingly.

Controls	Functioning
360° Contour Counter	Counts how many times a reference contour is present in the Region Of Interest.
360° Defect Finder	Detects even smallest defects on a part.





M12 4-pole Ethernet

1 = white = RX+
2 = white/green = TX+
3 = orange = RX-
4 = green = TX-

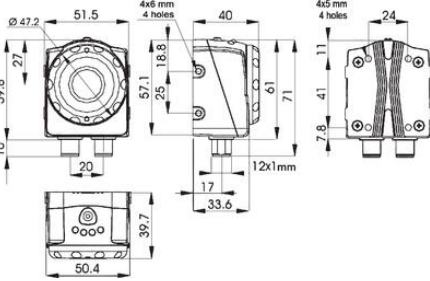
M12 8-pole (power supply and I/O)

OBJ and AOR models

1 = white = digital input
2 = brown = 24 Vdc
3 = green = configurable output
4 = yellow = output 1
5 = grey = output 2
6 = pink = output 3
7 = blue = GND
8 = red = external trigger

ID and PRO models

1 = white = RS232 RX
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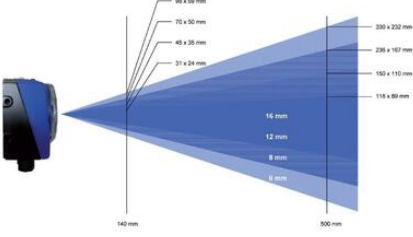
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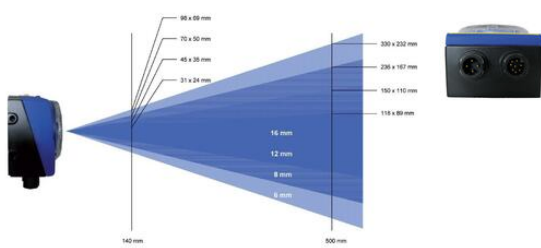
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The professional model includes in the same software all the functionalities already available on Advanced and Identification versions. Moreover it features 5 new software tools: 3 locators and 2 controls.

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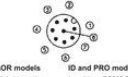


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