

KAMERA-ANTURI DATAVS2 AOR

DATAVS2-06DEAOR
Kamera-anturi, 6mm, AOR

- 360° hahmontunnistus
- 8 eri tunnistustyökalua
- 20 eri tarkistusta
- 4 ulostuloa



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 Mbs (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	6 mm integroitu linssi
Ulostulo	4xPNP

The Advanced Object Recognition (AOR) models integrate new important functionalities, including:


360° Pattern Match Locator
Object detectors independent from rotations.




Logical tools
Possibility to combine the results of the single tools through boolean operator (AND, OR, NOT, etc.)

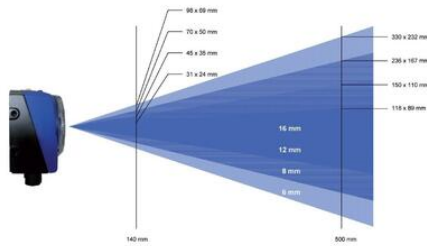


Advanced Ethernet
Current inspection results available also on Ethernet communication.



Speed-up
High execution speed thanks to the management of reduced resolution and TURBO mode.





360° Pattern match


The Advanced Object Recognition (AOR) models include all the controls and locators available on Object Recognition models as well as the new 360° Geometric Pattern Match Locator.

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.

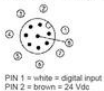
Step 3: Run
The third step configures the sensor digital outputs, simulates sensor functioning on the PC to verify the controls chosen and activates the operating phase on the sensor using the PC only to control the diagnostics.

M12 4-pole Ethernet

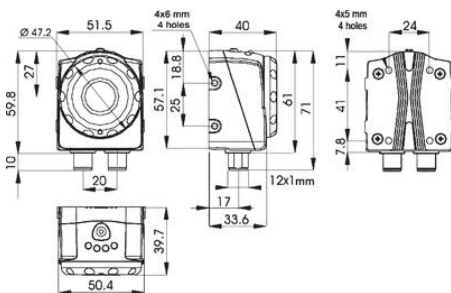


PIN 1 = white/orange = RX+
PIN 2 = white/green = TX+
PIN 3 = orange = RX-
PIN 4 = green = TX-

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




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




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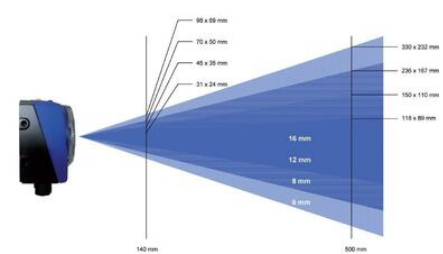


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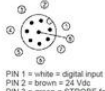


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