

VISION SENSOR DATAVS2 AOR

DATAVS2-06DEAOR

Vision Sensor 6mm Linse Advance

- 360° mønstergenkendelse
- 8 forskellige kontroller
- Hukommelse til op til 20 forskellige inspektioner
- 4 udgange



PRODUKTBESKRIVELSE

DataVS2 er en serie af synssensorer til fleksible løsninger til maskinapplikationer.

Sensoren er komplet med optik, rød LED-belysning og elektronik i et kompakt hus. Parametrene i sensoren indstilles via PC via Ethernet-kommunikation. Softwaren følger med sensoren og er udviklet til at guide brugeren trin for trin gennem parameterindstillingen. DataVS2 fås i tre forskellige versioner med forskellige kontrolværktøjer.

Avanceret objektgenkendelse AOR - Har et kontrolværktøj til 360° mønstergenkendelse.

Logiske funktioner til at forbinde forskellige styreværktøjer og udgange som: AND, OR, NOT, NAND, NOR osv.

SPECIFIKATIONER

Billedefrekvens	60
Effektforbrug	0,1 A
Elektrisk tilslutning	4-polet kontakt M12 stik, 8-polet kontakt M12 stik
IP-klasse	IP50
Materiale kapsling	Aluminium
Materiale linse	ABS-plast
Spænding DC max	24 V
Spænding DC min	24 V
Spændingstolerance	10%
Temperaturområde fra	-10 °C
Temperaturområde til	50 °C
Udgang	4xPNP
Udgangsstrøm max	0,1 A

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



360° Pattern Match Locator
Object detection independent from rotations.



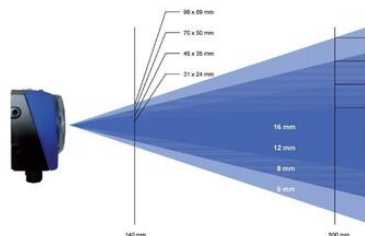
Logical tools
Possibility to combine the results of the single tools through boolean operator (AND, OR, NOT, etc.).



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 memorize 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.

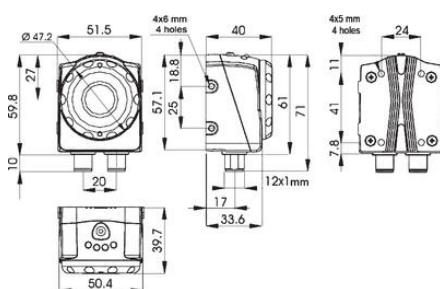


M12 4-pole Ethernet

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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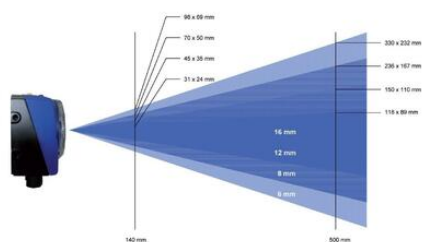
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