

DATAVS2 PRO

Vision Sensor

DATAVS2-06REPRO
Vision Sensor 6mm Linse Pro

- 360° mønstergenkendelse / controller til stregkode, Datamatrix
- Hukommelse til op til 20 forskellige inspektioner
- 3 udgange
- R232 interface



PRODUKTBESKRIVELSE

DataVS2 är en serie Visionsensorer för flexibla lösningar för maskin applikationer.

Sensorn är komplett med optik, röd LED-belysning och elektronik i ett kompakt hus. Parametrarna i sensorn sätts via PC genom Ethernet-kommunikation. Mjukvaran bifogas med sensorn och är utvecklad för att leda användaren steg för steg genom parameter sättningen. DataVS2 är tillgänglig i 4 olika versioner med olika kontrollverktyg.

PRO modellen - klarar de funktioner som finns i Advanced och ID modellerna.

Den klarar 360° mönstergenkning och även streckkod, datamatrix och OCV. Den har även 5 nya verktyg: 3 locators (Streckkod, Datamatrix och 360° konturmatchning)

2 kontroller: 360° kontur räknare, 360° defect finder

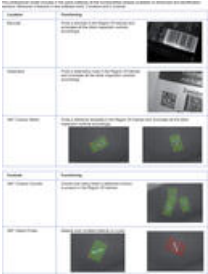


TEKNISKA DATA

Matningsspänning	24 V DC $\pm 10\%$
Rippel	1Vpp max med belysning 2Vpp utan belysning
Strömförbrukning	100 mA vid 24 VDC (utan belysning)
Utgångstyp	3 PNP, 100 mA max
	RS232
Upplösning	640x480 (VGA)
Nätverks interface	M12 4-polig Ethernet 10/100 Mbps
Gränssnitt extern belysning	Strobe signal (24 V PNP N.O)

Bildfrekvens	60 fps
optik	integrerad (6 mm/8 mm/12 mm/16 mm)
Indikering	4 LED
Anslutning	M12 8-polig A-kodad M12 4-polig D-kodad
Skyddsklass	IP50
Kapslingsmaterial	Aluminiumlegering/ABS
Vikt	125 g
Arbetstemperatur	-10 till +50 °C
Lagringstemperatur	-25 till +70 °C

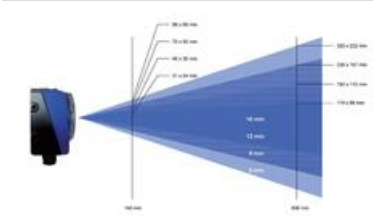
KONTROLLVERKTYG



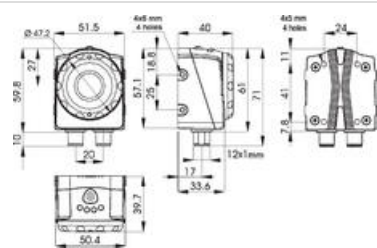
LÄSFÄLT

Läsfält

Arbetsavstånd(mm)	Läsfält (Bredd x Höjd) i mm			
	DATAVS2-16-DE-xxx	DATAVS2-12-DE-xxx	DATAVS2-08-DE-xxx	DATAVS2-06-DE-xxx
50	-	17 x 12	25 x 20	42 x 30
80	-	25 x 20	40 x 30	60 x 41
110	-	33 x 25	55 x 40	80 x 55
140	31 x 24	45 x 35	70 x 50	98 x 69
170	39 x 29	53 x 38	85 x 60	118 x 83
200	46 x 34	60 x 50	100 x 70	138 x 92
300	70 x 53	90 x 65	145 x 103	201 x 140
400	94 x 71	121 x 82	186 x 132	265 x 189
500	118 x 89	150 x 110	236 x 167	330 x 232
600	143 x 107	185 x 130	282 x 232	385 x 270



MÅTT



INKOPPLING



BESTÄLLNINGSNUMMER

Beställningsnr	Beskrivning	Utgång
DATAVS2-06-RE-PRO	6 mm lins, PRO	3 utgångar, RS232
DATAVS2-08-RE-PRO	8 mm lins, PRO	3 utgångar, RS232
DATAVS2-12-RE-PRO	12 mm lins, PRO	3 utgångar, RS232
DATAVS2-16-RE-PRO	16 mm lins, PRO	3 utgångar, RS232
DATAVSCVRJ45D03	Ethernetkabel 3m	

DOWNLOAD

Datablad	Hämta
Manual	Hämta

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
Opløsning	640x480 (VGA)
Spænding DC max	24 V
Spænding DC min	24 V
Spændingstolerance	10%

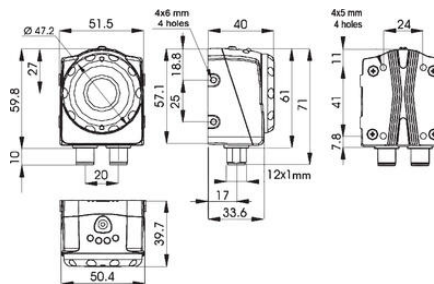
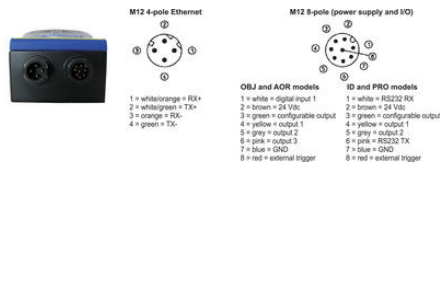
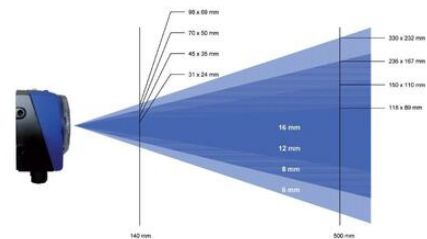
Temperaturområde fra	-10 °C
Temperaturområde til	50 °C
Udgang	3xPNP, RS232
Udgangsstrøm max	0,1 A



- 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.

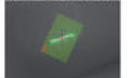
The professional model includes in the same software all the functionalities already available on Advanced and Identification versions. Moreover it features 5 new software tools: 3 locators and 2 controls.

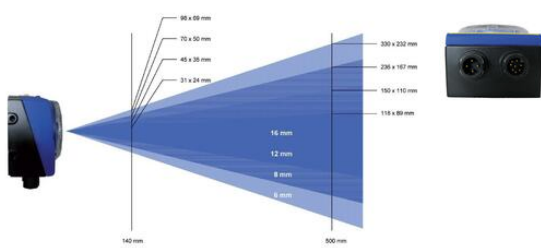
Locators	Functioning
Barcode	Finds a barcode in the Region Of Interest and re-locates all the other inspection controls accordingly.
Datamatrix	Finds a datamatrix code in the Region Of Interest and re-locates all the other inspection controls accordingly.
360° Contour Match	Finds a reference template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



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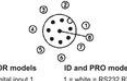


M12 4-pole Ethernet



- 1 = white/orange = 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 1
- 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
- 2 = brown = 24 Vdc
- 3 = green = configurable output
- 4 = yellow = output 1
- 5 = grey = output 2
- 6 = pink = RS232 TX
- 7 = blue = GND
- 8 = red = external trigger

