



MAGPOWR



TIDLAND



The DAC-005 digital camera sensor is the ideal solution for a wide range of difficult to sense materials from nonwovens to steel. The camera utilizes a total of 7,725 pixels and it can split the field of view into 31 sub-areas, creating virtual sensors. Each virtual sensor can detect one edge out of 255 total.

The small housing, internal light source and different C-mount lenses allow an installation under tight field conditions. Backward compatible with older F-mount lenses as an option.

Its digital sensing offers high resistance to contamination, dust particles, oil, vapors, and water.

It also has the ability to connect via Analog or Digital with fieldbus interfaces and runs in a variety of applications ranging from fixed sensor rewinding, center edge, and line guiding to web width measurement with an accuracy up to 0.02%.

The DAC-005 is easily set up with D-MAX Operator Interface OI-N or Mini Operator Interface OI-S.

GENERAL SPECIFICATIONS

Interfaces with

CDP-01, Polaris DP-20 and DP-30, D-MAX

CCD Sensor

High-Resolution CCD Chip with 5150 pixels (7725 pixels interpolated)

Sensing Capability

Senses up to 31 edges out of 255

Power Supply

10 VDC to 30 VDC
400 mA (internal light source)
300 mA (external light source)

Analog Output

0 mA to 10 mA for 2 edges

Temperature

0-50 °C

Digital Output

2 open collector outputs

Available Lenses

F-Mount: 28-80 mm, 70-210 mm,
C-Mount: 8 mm, 12.5 mm,
16 mm, 25 mm, 35 mm

Protection Class

IP-65 (DIN 40050)

Applications

Edge or center guiding with one camera

Width measurement with one or two cameras

Fixed sensor rewinding

Corrugated, Nonwovens, Foils

Metal Strips

KEY FEATURES

- Digital 7,725 pixel CCD sensing ignores contrast changes and has high linearity and accuracy
- Digital sensing offers high resistance to contamination from dust particles, oil, vapors, and water
- MaxNet allows on-the-fly parameter changes and alarms from the D-MAX
- Extremely flexible web width and gap settings

FIFE DAC-005 DIODE ARRAY

CAMERA SENSOR

OPERATION

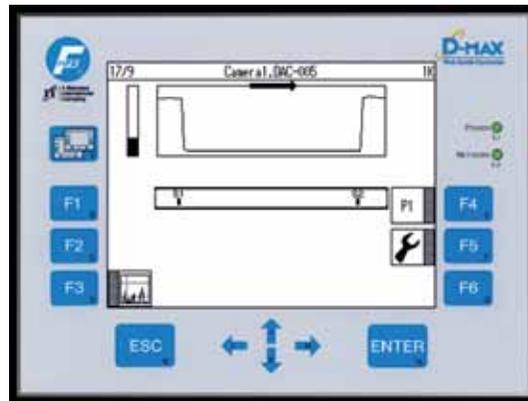


D-MAX OPERATOR INTERFACE OI-S

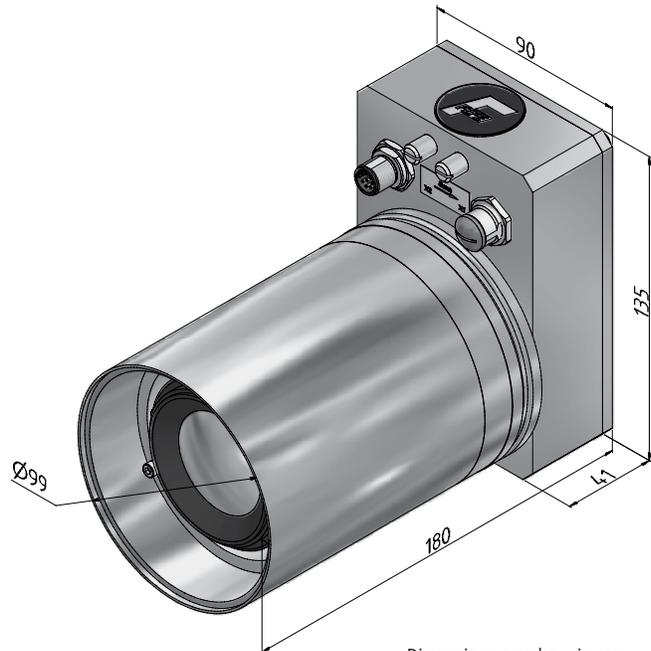
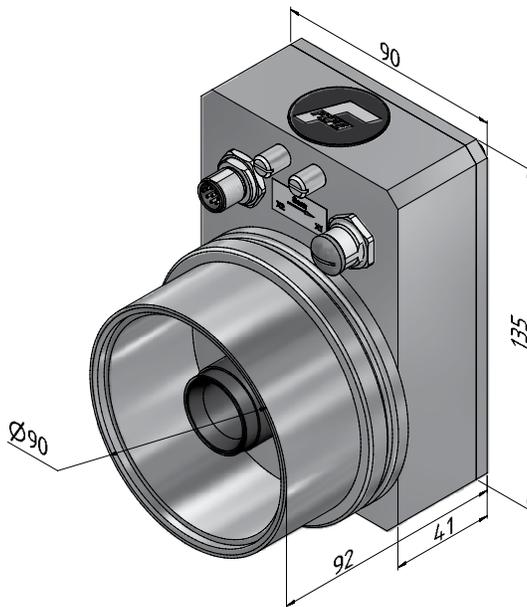
- Mechanical and optical setup
- Status display

D-MAX OPERATOR INTERFACE OI-N

- Mechanical and optical setup
- Flexible data display and easy configuration
- Excellent diagnostics tool for troubleshooting and preventive maintenance
- Eliminates the need for additional tools
- D-MAX OI-N functionality with software, virtual D-MAX OI for laptop and PC available



DIMENSIONS



Dimensions are show in mm

MAXCESS

MAGPOWER



TIDLAND

NORTH AMERICA

Toll Free 800.636.3433
Tel +1.405.755.1600
Fax +1.405.755.8425
sales@maxcessintl.com
www.maxcessintl.com

SOUTH AMERICA

Tel +55.11.3959.0990
Fax +55.11.3856.0990
southamerica@maxcessintl.com
www.maxcessintl.com.br

EUROPE

Tel +49.6195.7002.0
Fax +49.6195.7002.933
sales@maxcess.eu
www.maxcess.eu

INDIA

Tel +91.22.27602633
Fax +91.22.27602634
india@maxcessintl.com
www.maxcess.in

CHINA

Tel +86.756.881.9398
Fax +86.756.881.9393
info@maxcessintl.com.cn
www.maxcessintl.com.cn

JAPAN

Tel +81.43.421.1622
Fax +81.43.421.2895
japan@maxcessintl.com
www.maxcess.jp

KOREA, TAIWAN AND SE ASIA

Tel +65.9620.3883
Fax +65.6235.4818
asia@maxcessintl.com