

MAXCESS

MAGPOWR



TIDLAND

The Fife DAC-005 digital array camera is the ideal solution for applications where a wide field of view and the highest precision are required. The state of the art digital array features 5.150 pixels (7.725 through interpolation), ensuring the highest accuracy. In addition the field of view can be broken into up to 31 sub-areas, creating virtual sensors, each one tracking a different edge, out of a maximum of 255 that the camera can recognise.

The Fife DAC-005 features an optional integrated light source, that makes it ideal for close up applications under tight space constraints (such as on diaper machines), allowing for high end functions such as web width or web distance (where more than one web is tracked) measuring and monitoring.

Thanks to the robust IP-65 metal housing with drying cartridge, digital sensing and contamination monitoring, the Fife DAC-005 is the right choice when dust, oil or condensing humidity are present.

The camera has an analog connection to all Fife processors, combined with an Ethernet interface for digital connection to the Fife D-MAX processor (that supports up to two Fife DAC-005 without the need of external power sources) or other Customer controllers. For local setup, an optional Fife panel can be connected locally.



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:

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

Analog Output:

0mA to 10mA for 2 edges

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

Temperature:

0 - 50 °C

Protection Class:

IP-65 (DIN 40050)

Applications

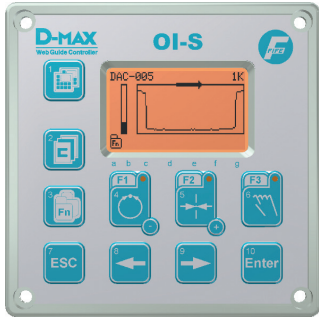
Edge or center guiding with one camera
Width measurement with one or two cameras
Fixed sensor rewinding
Corrugated, Nonwovens, Foils, Metal strips

KEY FEATURES

- 5.150 pixels (7.725 interpolated) linear array camera to offer highest accuracy with widest field view.
- Wide range of lenses - Extremely flexible in terms of distance to the web and width of field of view.
- Optional integrated field of view illumination for close up applications with tight space constraints.
- Designed for harsh environments - Highly resistant to contamination from dust, oil, vapor and condensing humidity.
- Optional local control panels for easy set up.
- Ethernet interface for easy networking with the Fife D-MAX processors or Customer controllers.

FIFE DAC-005 DIODE ARRAY CAMERA SENSOR

OPERATION

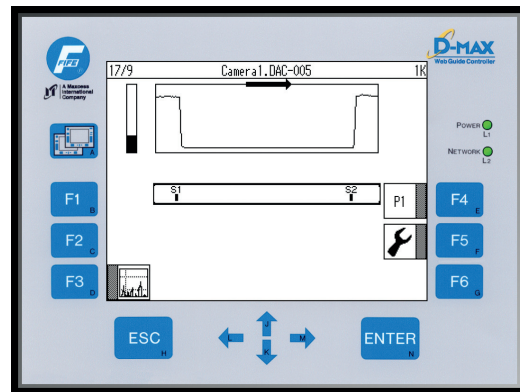


D-MAX Operator Interface OI-S:

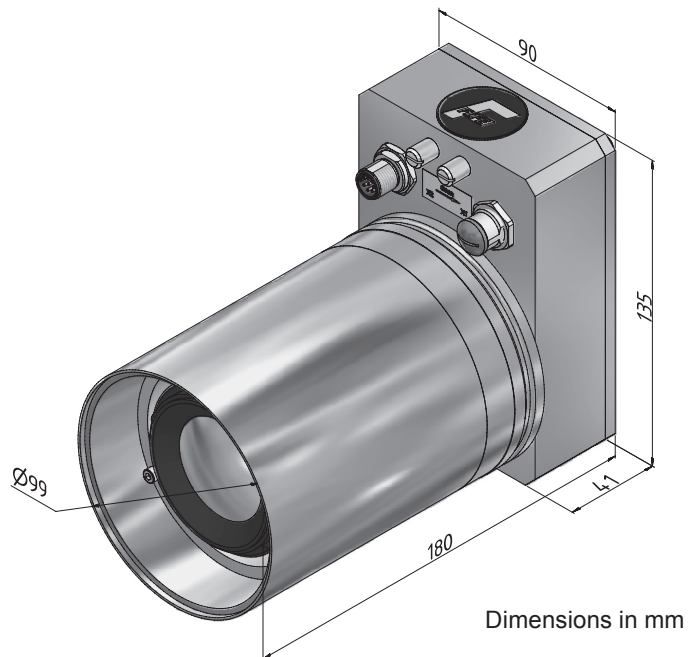
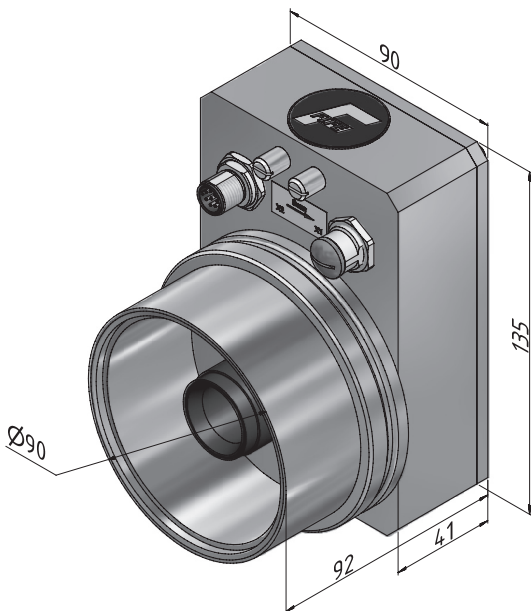
- Mechanical and optical setup
- Status display

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 in mm



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