

The DST-1 Sensor can guide the most challenging materials which were previously difficult to guide with other types of sensors. It's possible to switch between edge and line mode along with different field of views without having to change the sensor. The DST-1 requires neither an external light source nor a reflector. This makes it possible to detect the web from only one side.

Additionally, changing material for setup and calibration is made simple using the intuitive touchscreen

Therefore mesh type materials along with frayed materials and various other types of challenging web materials are no problem to guide using the DST-1.

## GENERAL SPECIFICATIONS

**Operating Temperature**  
0 to 60°C

**Sensor Dimensions**  
112 x 34 x 18 mm

**OI Dimensions**  
156 x 126 x 66 mm

**Light source**  
NIR (near infrared)

**OI Display Type**  
Color Touchscreen  
480 x 272 pixels

**Voltage Input Range**  
10 - 26 VDC

**Operating Current**  
0.3 A at 24 VDC  
0.5 A at 12 VDC

**Analog Output Range**  
0 - 20 mA  
(at nominal load 100Ω)

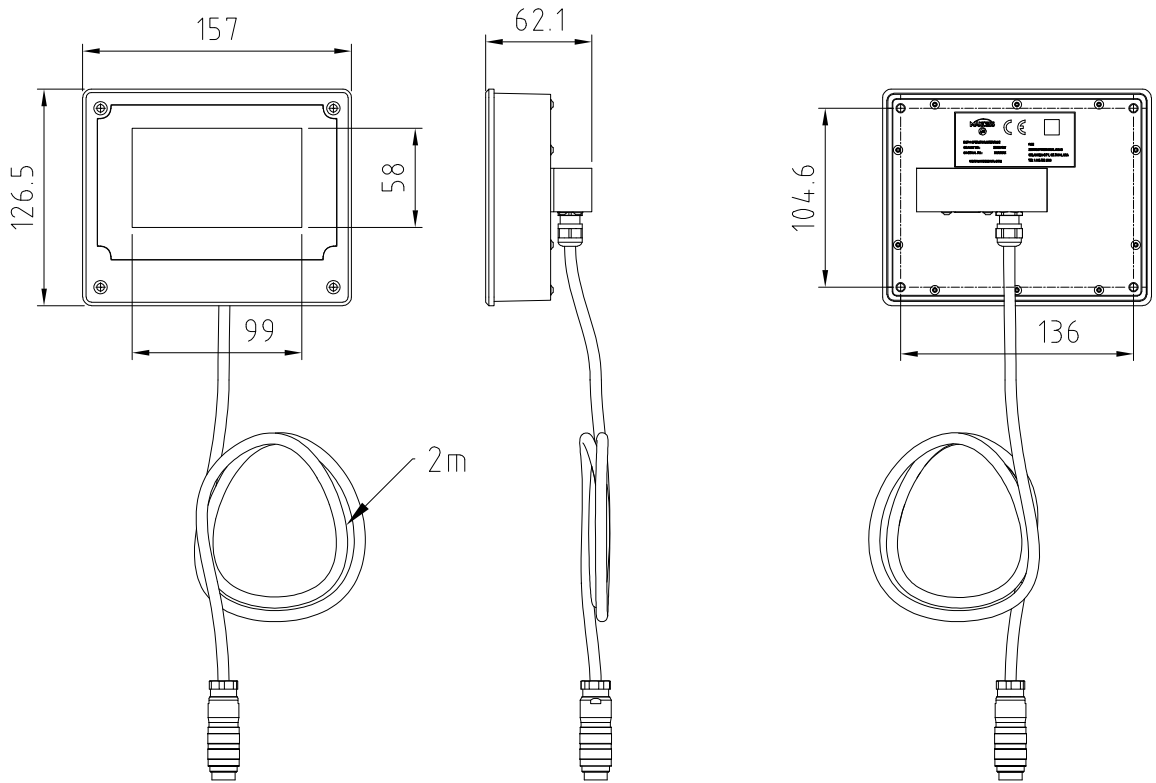
**Field of View (at distance)**  
70 mm at 20 mm  
to  
250 mm at 250 mm

**Resolution (at distance)**  
0.167 mm at 20 mm

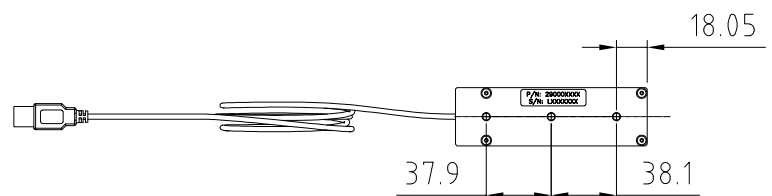
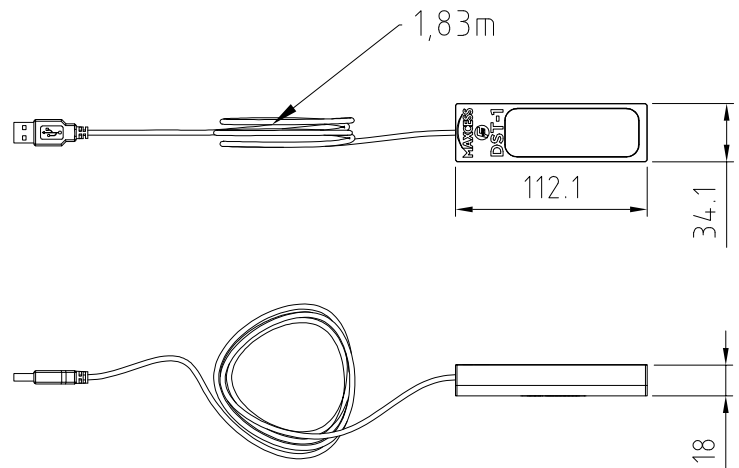
## KEY FEATURES

- Multiple cameras to detect material
- Able to guide the most challenging materials
- Easy setup
- No external light source or reflector required
- Detects web from one side

# DST-1 SENSOR



Dimensions in mm



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