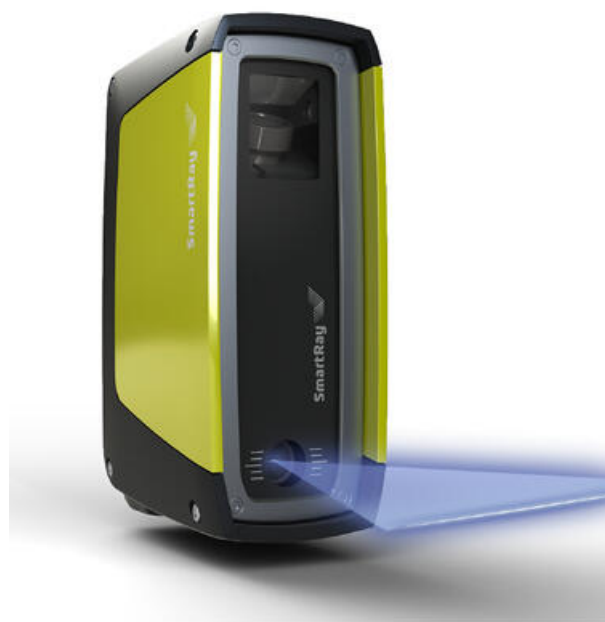


ECCO SMARTRAY 3D-CAMERA

SR55.100

SmartRay™ ECCO 55.100

- Inspection, guidance and measurement applications
- Ultra modern laser triangulation technology
- Wide selection of models to suit all needs
- Gigabit Ethernet interface



PRODUCT DESCRIPTION

SPECIFICATIONS

3D point rate	0.3 to 3.9 million points/sec
Ambient light max	10000 lx
EMC	EN61000-6-2, EN61000-6-4
Field of view max	148 mm
Field of view min	88 mm
Inputs	4 x Inputs, 5 – 24 VDC, Quadrature Encoder (AB-Channel, RS-422 Standard)
Interface	Fast Ethernet (100 Mbit/ sec)
IP Class	IP65
Laser Class	2M
Laser wavelength	660 nm
Maximum points / 3D-profile	640
Measuring range	100 mm
Outputs	2 x Outputs, 24 VDC (max. 20 mA)
Protection Class	III according to EN 61040-3
Resolution max (Y)	228 µm
Resolution max (Z)	53.5 µm

Resolution min (Y)	136 μm
Resolution min (Z)	19 μm
Scan rate	6000 Hz
Temperature range bearing, from	-20 °C
Temperature range bearing, to	70 °C
Temperature range to	40 °C
Trigger	START Trigger support on Input 1-4, DATA Trigger support on Quadrature Encoder Input (Max. DATA trigger rate: 100 kHz), DATA Trigger support on Input 2, 3 (Max. DATA trigger rate: 10 kHz)
Weight	180 g
Voltage	24 VDC, $\pm 15\%$ ripple, 4.5 W
Working Distance	150 mm
Z-linearity	0.1 $\mu\text{m}/\text{mm}$
Z-repeatability	4.2 μm

