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DATA SHEET

CHD160TG

Conveyor Hotspot Detection System
Object detection systems

SICK Sensor Intelligence



OBJECT DETECTION SYSTEMS

CHD160TG

ORDERING INFORMATION

Type	part no.
CHD160TG	1141663

Further device versions and accessories at www.sick.com/Conveyor_Hotspot_Detection_System

DETAILED TECHNICAL DATA

FEATURES

Areas of application	Loading and unloading of cargo ships, Loading and unloading of rail freight transport, Transport between processing stages, Infeed for ovens and mills, Conveyor belts in production facilities, mines and power plants, Conveyor belts in sorting and recycling systems, Silo inlets and outlets, Briquetting and pelletizing plants
Image resolution	128 px x 1 px
Measuring frequency	≤ 256 Hz
Sensor	Infrared camera, 8 µm ... 14 µm
Aperture angle	60°
Temperature measuring range	0 °C ... +500 °C
Alarm threshold	Adjustable (0 °C ... +500 °C)
Controller	TDC-E210GC
Region of use	Europe, Middle East, Africa, APAC excluding Japan
Items supplied	Infrared camera, TDC-E, Various accessories

MECHANICS/ELECTRONICS

Supply voltage	24 V DC (12 V DC ... 36 V DC)
Installation position	Variable
Installation height	≥ 50 cm
Enclosure rating	IP65 [1]

[1] Camera with chrome steel housing.

INTERFACES

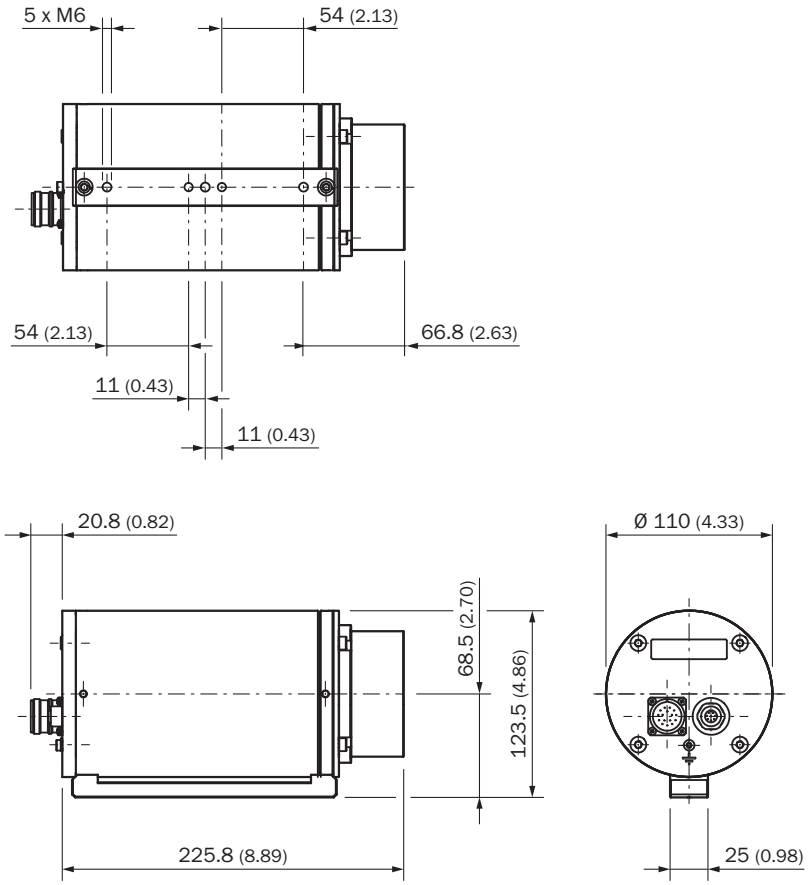
Output data	Alarms Alarm data Temperature data System status Thermal images

Operator interface	TEMS Info Interface (TCP/IP Interface), digital I/Os

AMBIENT DATA

Ambient operating temperature	–10 °C ... +50 °C

DIMENSIONAL DRAWING



Dimensions in mm (inch)

Further information as well as suitable accessories, example applications and downloads such as CAD dimensional models, operating instructions and software can be found at www.sick.com/1141663

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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnerships with our customers are more than just a promise: Together, we optimize productivity, improve quality, protect health and safety, and help build a sustainable future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions

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