CHD160TG

Conveyor Hotspot Detection System

OBJECT DETECTION SYSTEMS

SICK
Sensor Intelligence.

Ordering information

Type	Part no.
CHD160TG	1141663

Other models and accessories ➔ 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

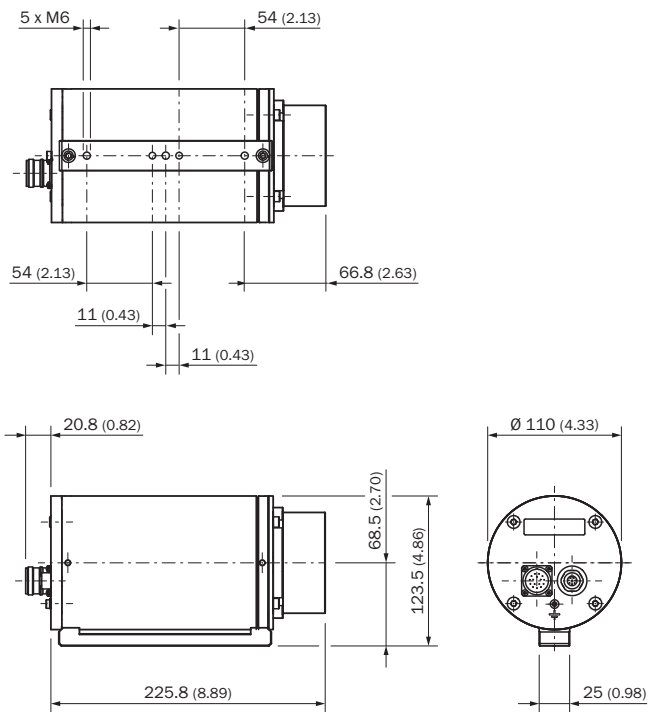|	
Output data	Alarms Alarm data Temperature data System status Thermal images
Operator interface	TEMS Info Interface (TCP/IP Interface), digital I/Os

Ambient data

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

Classifications

ECLASS 5.0	27281001
ECLASS 5.1.4	27280190

ECLASS 6.0	27280190
ECLASS 6.2	27280190
ECLASS 7.0	27280190
ECLASS 8.0	27280190
ECLASS 8.1	27280190
ECLASS 9.0	27280190
ECLASS 10.0	27280190
ECLASS 11.0	27280190
UNSPSC 16.0901	41111615

Dimensional drawing (Dimensions in mm (inch))

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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