

Red Hawk analog camera line AC2Z

VGA CMOS imager sensor device – robust and adjustable

Overview

The Red Hawk Analog Camera Line AC2Z is a family of VGA CMOS image sensor camera devices with an adjustable, analog video output. The full programmable cameras (additional software required) have a cylindrical housing layout with an integrated connector or a pig tail including a M12 a-coded connector. Key features of our Red Hawk Analog Camera Line AC2Z are its very high thermal and mechanical stability. The cameras are resistant against harsh environmental conditions like mechanical shocks, vibrations and hazardous atmospheres. Due to their IP68/IP6k9k housing the cameras are also suitable for outdoor applications (splash water).

Features

- 1/4" color CMOS-sensor
- Wide range of power supplies (from 9 V_{DC} up to 38 V_{DC})
- Low power consumption (<0.7 W)
- IP68/IP6k9k protection class
- Rol capabilities for custom specific brightness adaptation
- Programmable mirror function
- Wide range of fixed focus optics available
HFoV_{Min} = 10°
HFoV_{Max} = 170°
- Max. HFoV incl. distortion correction
HFoV_{Max} = 130°
- Extended operating temperature
T_{Min} = -40 °C
T_{Max} = +105 °C

Applications

- Rear view/blind spot detection
 - Mining
 - Agriculture
 - Public transport
- Surveillance
 - Offshore
 - Public transport
- Inspection
 - Canalisation
 - Pipelines



Product ID



- 1 **Product code**
Red Hawk analog camera
- 2 **Version**
1: Standard
- 3 **Video format**
PAL: PAL
NTS: NTSC
- 4 **Mirror status**
MIR: mirrored
NON: non mirrored
- 5 **HFoV (horizontal field of view)**
170: 170°
130: 130°
100: 100°
085: 85°
035: 35°
010: 10°
- 6 **Coating**
IRC: IR coating
(T > 96% for α=400..680 nm)
- 7 **Inlay/harness**
CIN: cylindric housing with inlay
CCA: cylindric housing with 30 cm cable

Maximum ratings

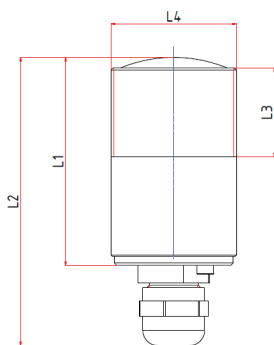
Parameter	
Operating Temperature	-40 °C ... +105 °C
Input Voltage	9 ... 38 V _{DC}

Sensor characteristics

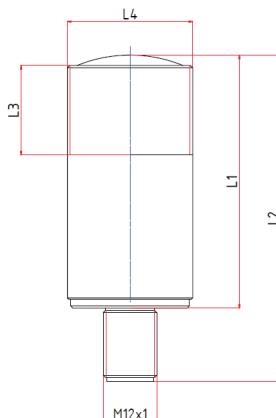
Parameter	
Resolution	VGA 750x512 pixels
Output Signal	PAL / NTSC

Physical dimensions

Pigtail design



Inlay design



HFoV	L ₁ pigtail	L ₁ inlay	L ₂ pigtail	L ₂ inlay	L ₃ pigtail/inlay	L ₄ pigtail/inlay
from 10 ... 35°	57 mm	77 mm	78 mm	93 mm	20 mm	M28x1
from 85 ... 170°	44 mm	62 mm	65 mm	78 mm	(thread)	(thread)

Certificate

ISO/TS 16949

Contact

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