C1 MICRO

Compact and lightweight USB camera with M12 lens mount and h.264 on-board encoder

- Overview
- Features
- Specifications

Overview

C1 family camera **C1 MICRO** with Onsemi AR0330 sensor offers h.264/MHPEG/YUYV compressions over USB interface.

Features

- M12 (S-mount) lens mount
- Multiple mounting options (all side walls and top has M3 tapped holes) for machine vision or robotics
- M2 threads for mounting
- Format: 1/3-inch (5.8mm)
- Sensor: Onsemi AR0330
- MJPEG/h.264/YUY2 compression
- 1920x1080 @ 30fps
- UVC compatible
- Sensor pixel size: 2.2µm x 2.2µm
- Sensor dynamic range: 72.4db
- Sensor sensitivity: 1.9 V/lux-sec (550nm)
- Operation temperature range: -50°C...+65°C
- USB 2.0
- High quality industrial black anodized aluminum case
- Non cropped sensor operation in all resolutions
- Each camera has unique serial number
- RoHS, REACH, CE certified

Specifications

Specifications

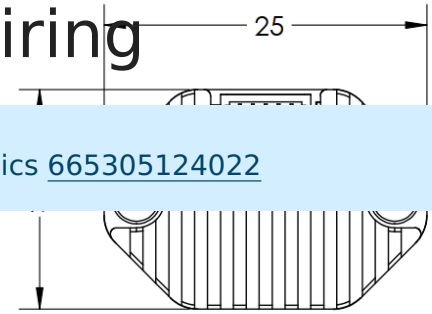
Pixels	2304H x 1536V
Sensor size	5.07mm x 3.38mm
Shutter	Electronic Rolling Shutter
Sensor pixel size	2.2µm x 2.2µm

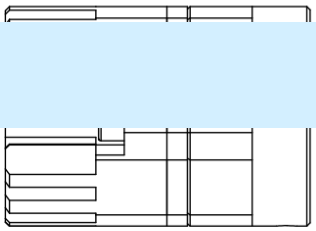
Frame rates	• h.264 – 30fps in all modes
	• MJPG – 30fps in all modes
	• YUV 4:2:2 (YUYV)
	  ◦ 1920x1080 – 5fps
	  ◦ 1280×720 – 10fps
	  ◦ 640×480 – 30fps

Output frame sizes	1920×1080, 1280×720, 640×480, 640×360, 320×240, 320×180
Scan	Progressive
Manual control	• Exposure • White balance (2800°K – 9300°K) • Gain • Gamma • Backlight compensation • Sharpnes • Contras • Saturation • Hue • Brightness • Anti-flicker frequency
Rated power	• 2W max • 350mA @ 5V – h.264 • 290mA @ 5V – MJPEG / YUYV
Supported OS	• Windows • OSX • Linux • Android

Sensor	Onsemi AR0330
Weight	12g
Dimensions	25×17×28.8mm
Ingress protection	IP40
Lens mount	M12-mount
Operational temperature	-50 ... +65°C

DimensionsWiring



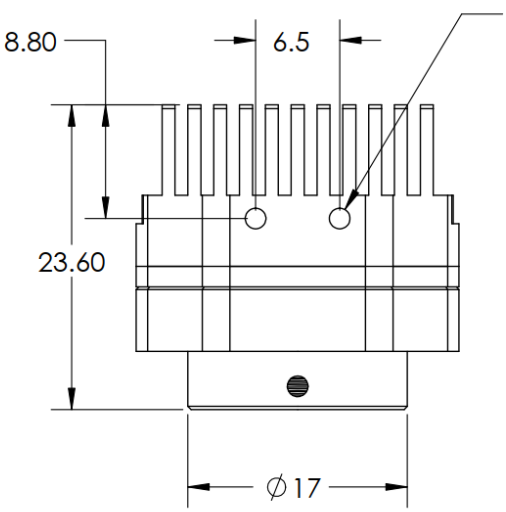


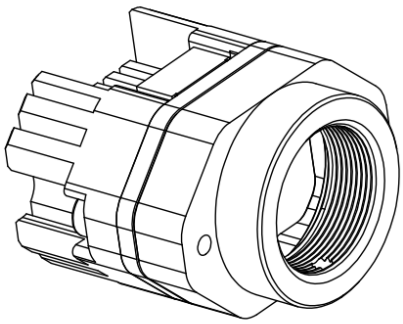
Receptacle: Wurth Electronics 665305124022

Camera comes with 1m cus

+5V USB







3D model

Most of the Kurokesu product 3D modes uploaded to Github