

# Features

- **Sensor-swappable line-up**

- Sony IMX415 8MP / 4K @ 30fps - maximum resolution
- Sony IMX462 2MP @ 60fps - large 2.9µm pixels for ultra-low-light; available in color or mono
- onSemi AR0234 2MP global-shutter @ 60fps - rolling shutter artifacts for machine vision

- **Form-factors**

- Rugged boxed camera (CNC-milled, black-anodised).
- 38 × 38mm board-level module for OEM integration.
- M3 holes on every side + optional ¼-20 / Swiss Arca mount plate for flexible mounting

- **Lens & filter flexibility**

- Native 1-32 TPI **CS** or **M12/M12L** mounts; C-mount by 5 mm spacer
- Drop-in filters: IR-cut (visible-only), no-filter (full spectrum), 850nm NIR long-pass; sensors offered in color or mono to match.

- **USB-C UVC plug-and-play**

- High-Speed 480Mb/s, MJPEG & YUY2 streams; works on Windows, macOS, Linux, Android - no drivers

- **Industrial-grade build**

- -50 °C ... +85 °C operating range, < 2W from 5V USB
- On-board EEPROM stores last settings; each unit has a unique serial number
- RoHS, REACH, CE certified

- **Advanced controls** (via standard UVC) - full auto or manual settings: exposure, gain, white-balance, gamma, HDR/WDR, ROI, anti-flicker, and software zoom/pan/tilt). \* Some features are sensor/firmware specific.

---

Revision #6

Created 7 November 2023 19:45:46 by Saulius

Updated 25 May 2025 20:32:16 by Saulius