



# MWIR Camera

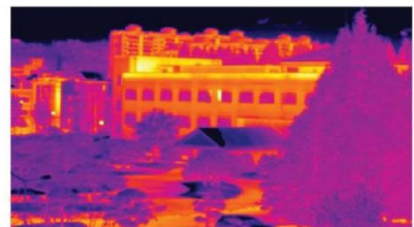
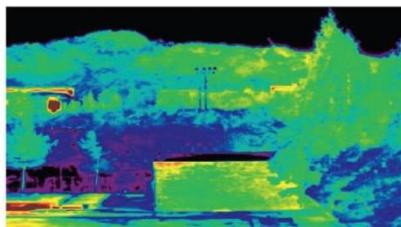
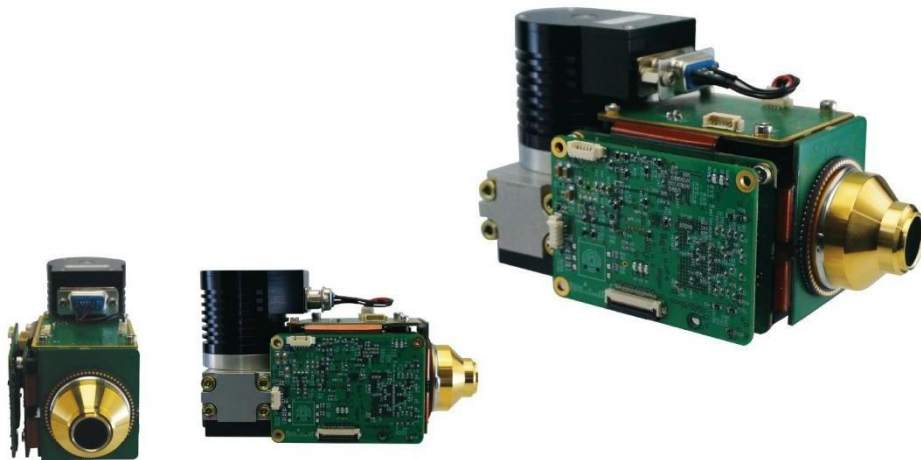
ARTCAM-032MWIR / ARTCAM-130MWIR

## Features of ARTCAM-032MWIR

- 640 x 512, pixel size 15um
- High Operability

## Applications

- Thermal Imaging System
- Thermal Observation Device (Day and Night)
- Surveillance System

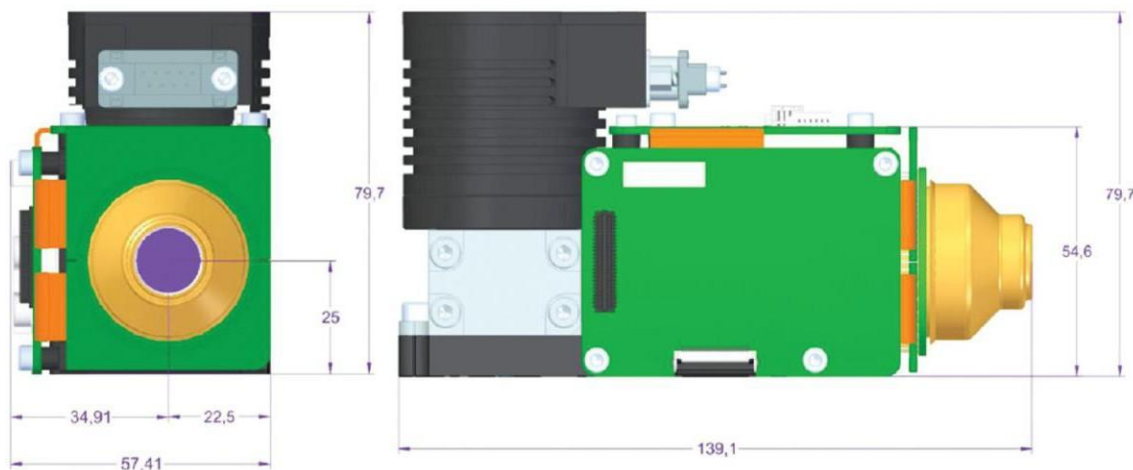




## Specifications

| Sensor                                             |                                      |
|----------------------------------------------------|--------------------------------------|
| Sensor type                                        | Focal Plane Array(FPA)、InSb          |
| Resolution and pixel size                          | 640 × 512    15 μ m                  |
| Thermal sensitivity (NETD)                         | < 20mK                               |
| Spectral range                                     | MWIR (3~5 μ m)                       |
| Camera Engine                                      |                                      |
| Input power supply                                 | DC24V~28V                            |
| Power consumption (Including cooler & electronics) | <20W@during cool down                |
|                                                    | <15W@after cool down                 |
| Cooldown time                                      | ≤7min.                               |
| Time to image                                      | <8min                                |
| Frame rate                                         | 1~200Hz                              |
| A/D resolution                                     | 14/16bit                             |
| Output                                             | CameraLink/USB3.0                    |
| Control                                            | UART                                 |
| Dimension (W × H × D)                              | 57.4 × 79.7 × 139.1mm ※ Without lens |
| Weight                                             | <760g ※ Without lens                 |
| Operation Temperature                              | -35℃ ~ +65℃                          |

## Dimension





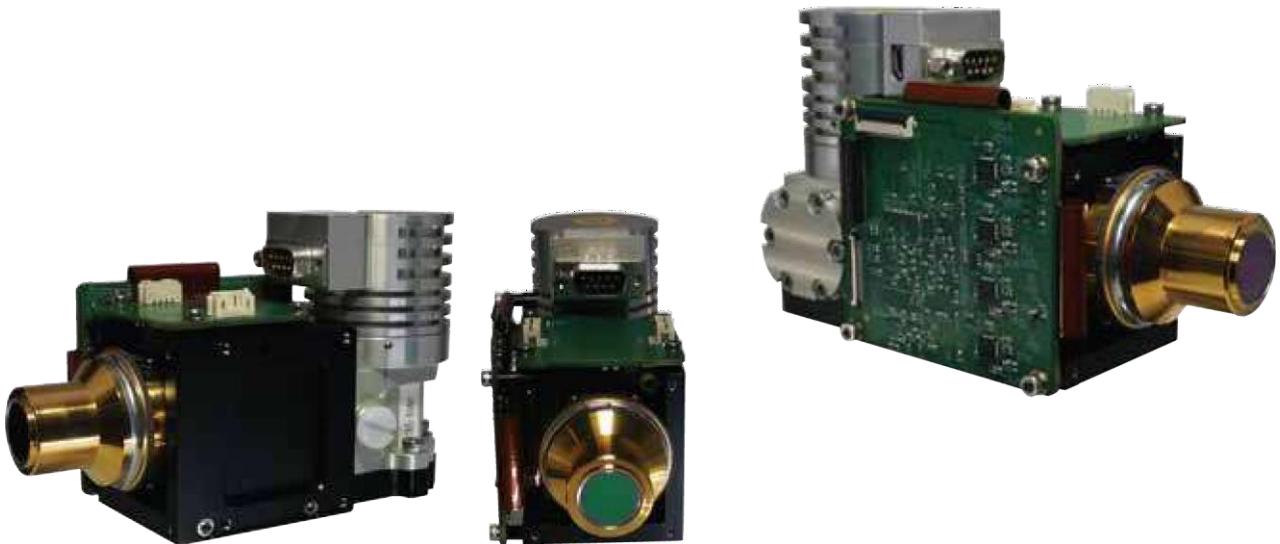
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## Features of ARTCAM-130MWIR

- 1280 x 1024, pixel size 10um
- High Operability
- High Resolution
- High Sensitivity (Low readout noise, Low dark current)

## Applications

- Thermal Imaging System
- Thermal Observation Device (Day and Night)
- Surveillance System





## Specifications

| Sensor                                             |                                  |
|----------------------------------------------------|----------------------------------|
| Sensor type                                        | Focal Plane Array(FPA)、InSb      |
| Resolution and pixel size                          | 1280×1024 10μm                   |
| Thermal sensitivity (NETD)                         | <30mK                            |
| Spectral range                                     | MWIR (3~5μm)                     |
| Camera specification                               |                                  |
| Input power supply                                 | DC24V~28V                        |
| Power consumption (Including cooler & electronics) | <30W@during cool down            |
|                                                    | <18W@after cool down             |
| Cooldown time                                      | ≤7min.                           |
| Time to image                                      | <10min                           |
| Frame rate                                         | 1~50Hz                           |
| A/D resolution                                     | 14/16bit                         |
| Video output                                       | CameraLink                       |
| Control                                            | CameraLink UART                  |
| Dimension (W×H×D)                                  | 59.3×85.0×142.6mm ※ Without lens |
| Weight                                             | <900g ※ Without lens             |
| Operation Temperature                              | -40℃ ~ +71℃                      |

## Dimension

