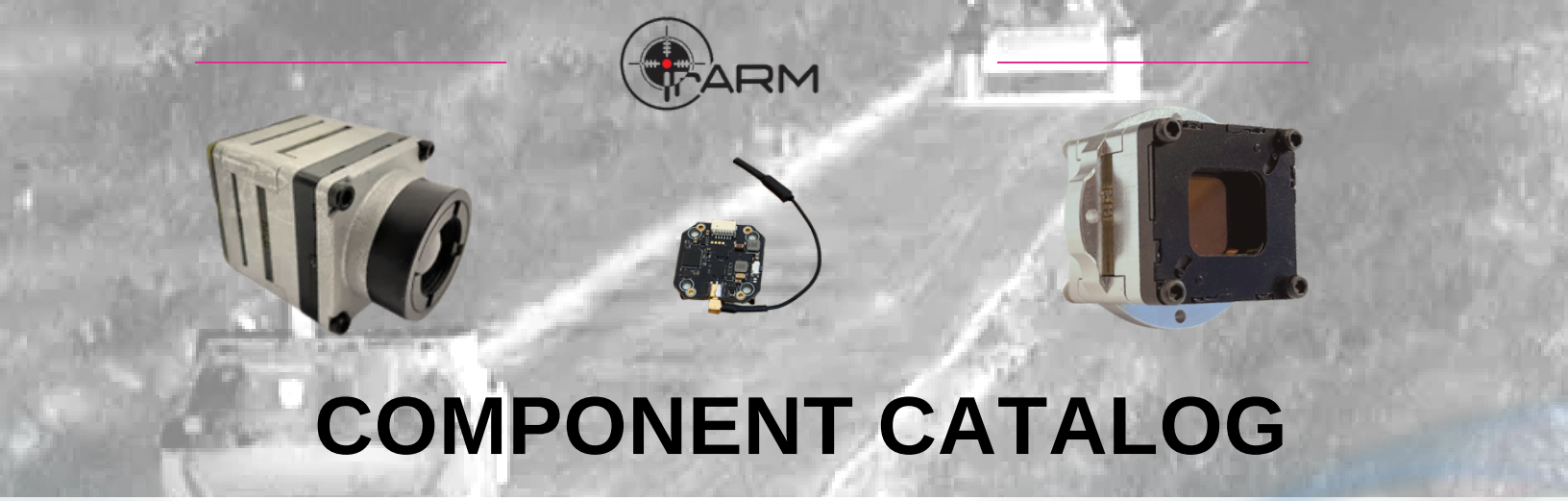


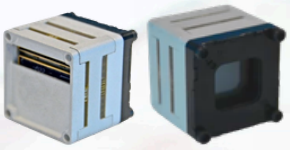
# COMPONENT CATALOG

*Founded in 2004, the irARM™ brand delivers cutting-edge, custom solutions with a focus on innovation and precision. Our **NDAA-compliant portfolio** includes breakthrough night-vision and thermal-imaging technologies that deliver superior target-detection capabilities with **Edge AI** across a range of commercial, industrial, security, and automotive applications.*

01

## SEE IT - AIM IT - LOCK IT

### TruVision 320



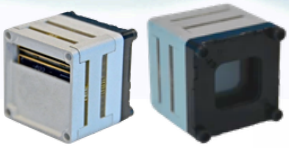
| Features | TruVision 320 |
|---|---|
| Detector: | 320x240 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 4x continues |
| Interfaces: | CMOS, USB 2.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm |
| Weight: | 12 g |

### TruVision 320 PRO




| Features | TruVision 320 PRO |
|---|---|
| Detector: | 320x240 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 4x continues |
| Interfaces: | CMOS, USB 3.0, MIPI |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm (wings) |
| Weight: | 12.5 g |

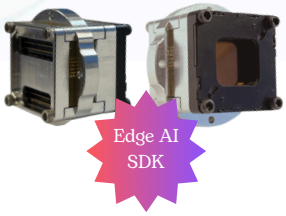
### TruVision 640



| Features | TruVision 640 |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 2.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm |
| Weight: | 12 g |

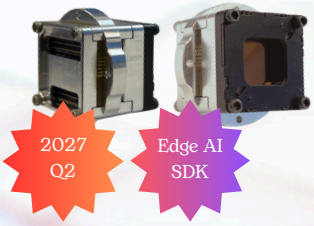
02

### TruVision 640 PRO




| Features | TruVision 640 PRO |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, MIPI |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm (wings) |
| Weight: | 12.5 g |

### TruVision 1024 PRO




| Features | TruVision 1024 PRO |
|---|---|
| Detector: | 1024x768 8.5 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm (wings) |
| Weight: | 12 g |

### TruVision 1440 PRO




| Features | TruVision 1440 PRO |
|---|---|
| Detector: | 1440x960 8.5 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 × 21 × 19 mm (wings) |
| Weight: | 12 g |

### TruVision 1024 PRO MAX




| Features | TruVision 1024 PRO MAX |
|---|---|
| Detector: | 1024x768 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 37 × 39 × 25 mm |
| Weight: | 34 g |

### TruVision 1280 PRO MAX




| Features | TruVision 1280 PRO MAX |
|---|---|
| Detector: | 1280x1024 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 37 × 39 × 25 mm |
| Weight: | 34 g |

03

## LWIR 640-4.9 PRO




| Features | LWIR 640-4.9 (IP67) |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V]: | 89.81° (H) × 67.36° (V) |
| Size: | 25 x 25 x 50 mm (wings) |
| Weight: | 43 g |

## LWIR 640-9 PRO




| Features | LWIR 640-9 |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V]: | 48.90° (H) × 36.67° (V) |
| Size: | 21 x 21 x 40 mm (wings) |
| Weight: | 31 g |

## LWIR 640-13 PRO




| Features | LWIR 640-13 |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V]: | 33.85° (H) × 25.39° (V) |
| Size: | 28 x 28 x 43 mm (wings) |
| Weight: | 44 g |

## LWIR 640-19 PRO




| Features | LWIR 640-19 |
|---|---|
| Detector: | 640x480 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V]: | 23.16° (H) × 17.37° (V) |
| Size: | 28 x 28 x 51 mm (wings) |
| Weight: | 46 g |



## LWIR 1280-50 PRO




| Features | LWIR 1280-50 |
|---|---|
| Detector: | 1280x1024 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V]: | 17.60° (H) × 14.08° (V) |
| Size: | 60 x 60 x 100 mm (flange) |
| Weight: | 380 g |

## SWIR 640-9 PRO




| Features | SWIR 640-9 |
|---|---|
| Detector: | 640x512 15 µm |
| Spectral Range: | SWIR 0.9 µm – 1.7 µm |
| NUC: | Built-in shutter with FFC |
| Frame Rate: | Up to 240 Hz |
| Digital Zoom: | 1x - 8x continues |
| Interfaces: | CMOS, USB 3.0, LVDS |
| Control: | UART, USB 2.0, I2C, SDIO |
| Size: | 21 x 21 x 19 mm (wings) |
| Weight: | 24 g |

## CMOS 3840-6.5 PRO




| Features | CMOS 3840-6.5 |
|---|---|
| Detector: | 3840x2160 1.45 µm |
| Spectral Range: | NIR 0.45 µm – 0.9 µm |
| Lens: | 6.5mm |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.2, MIPI |
| FoV [H x V]: | 49.08° (H) × 27.61° (V) |
| Size: | 21 x 21 x 30 mm |
| Weight: | 24 g |

## LWIR 1280-25-75 PRO




| Features | LWIR 1280-Motorized |
|---|---|
| Detector: | 1280x1024 12 µm |
| Spectral Range: | LWIR 8 µm – 14 µm |
| Lens: | Motorized 25-75mm |
| Frame Rate: | Up to 60 Hz |
| Interfaces: | CMOS, USB 3.0, LVDS |
| FoV [H x V] max: | 35.21° (H) × 28.16° (V) |
| FoV [H x V] min: | 11.74° (H) × 9.39° (V) |
| Size: | 78 x 88 x 166 mm |
| Weight: | 969 g |



## Dual Fusion PRO




| Features | Dual Fusion (IP67) |
|---|---|
| Detector 1: | NIR 3840x2160 1.45 µm |
| Detector 2: | LWIR 640x480 12 µm |
| Frame Rate: | Up to 60 Hz |
| Digital Zoom: | 1x - 16x continues |
| Interfaces: | CMOS, USB 3.2, LVDS |
| FoV [H x V]: | 49.08° (H) × 27.61° (V) |
| Size: | 45 x 30 x 40 mm |
| Weight: | 37 g |

## Digital Googles




| Features | Digital Googles |
|---|---|
| Imaging: | oLED |
| Resolution: | 1920 × 1080 |
| Lens: | Prismatic |
| Diopter: | +/- 5 |
| Mount: | Wilcox |
| Interfaces: | Analog, USB, HDMI |
| Power: | 2W |
| Size: | 50 x 80 x 160 mm |
| Weight: | 84 g |

## Analog VTX



| Features | Analog VTX |
|---|---|
| Channels: | 48 |
| Frequency Band: | 5.8 GHz |
| Output Power: | 27-32 dBm |
| Input Video: | analog |
| Control: | Button |
| Antenna: | 3dB, Omnidirectional |
| Size: | 30 x 30 x 10 mm |
| Weight: | 10 g |

www.erglon.com
+359 89 861 2354 (WhatsApp)
sales@erglon.com