

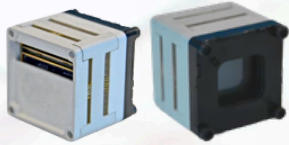
COMPONENT CATALOG

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 across a range of commercial, industrial, security, and automotive applications.

01

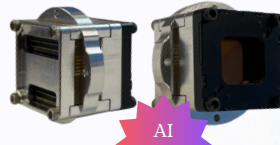
SEE IT - AIM IT - LOCK IT

TruVision 320



Features	TruVision 320
Detector:	320x240 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 21 x 19 mm
Weight:	12 g

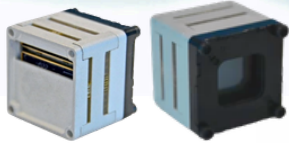
TruVision 320 PRO



Features	TruVision 320 PRO
Detector:	320x240 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 21 x 19 mm (wings)
Weight:	12.5 g

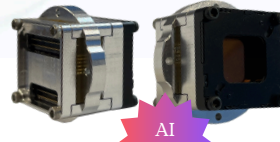


TruVision 640



Features	TruVision 640
Detector:	640x480 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 21 x 19 mm
Weight:	12 g

TruVision 640 PRO

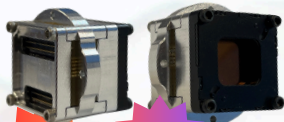


Features	TruVision 640 PRO
Detector:	640x480 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
NUC:	Built-in shutter with FFC
Frame Rate:	Up to 60 Hz
Digital Zoom:	1x - 8x continues
Interfaces:	CMOS, USB 3.0, MIPI
Control:	UART, USB 2.0, I2C, SDIO
Size:	21 x 21 x 19 mm (wings)
Weight:	12.5 g



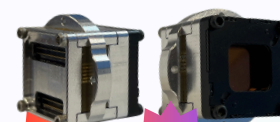
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TruVision 1024 PRO



Features	TruVision 1024 PRO
Detector:	1024x768 8.5 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 21 x 19 mm (wings)
Weight:	12 g

TruVision 1440 PRO



Features	TruVision 1440 PRO
Detector:	1440x960 8.5 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 21 x 19 mm (wings)
Weight:	12 g

TruVision 1024 PRO MAX



Features	TruVision 1024 PRO MAX
Detector:	1024x768 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 39 x 25 mm
Weight:	34 g

TruVision 1280 PRO MAX



Features	TruVision 1280 PRO MAX
Detector:	1280x1024 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
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 x 39 x 25 mm
Weight:	34 g

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LWIR 640-9 PRO

SWIR 640-9 PRO



AI
SDK

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 19 mm (wings)
Weight:	24 g



AI
SDK

2027
Q3

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 1920-6.5



Features	CMOS 3840-6.5
Detector:	1920x1080 2.9 μm
Spectral Range:	NIR 0.45 μm – 0.9 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]:	49.08° (H) × 27.61° (V)
Size:	21 x 21 x 19 mm
Weight:	24 g

NV Tubes



Features	IR Tube Inverting/NL	
Detector	20173-G Standard	20173-G Optimum
FoV [H x V]	40° (H) × 40° (V)	40° (H) × 40° (V)
Gain	30,000 sd/m ² /lx	40,000 sd/m ² /lx
Voltage	2 - 3.5 V	
Diameter	17.5 mm	
Weight	95 g	

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Dual Fusion Camera



Features	Dual Fusion
Detector 1:	NIR 3840x2160 1.45 μm
Detector 2:	LWIR 640x480 12 μm
Frame Rate:	Up to 60 Hz
Digital Zoom:	1x - 8x continues
Interfaces:	CMOS, USB 3.0, LVDS
FoV [H x V]:	35.45° (H) × 29.91° (V)
Size:	35 x 32 x 63 mm
Weight:	50 g

Digital Goggles



Features	Digital Goggles
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 dBm
Input Video:	analog
Control:	Button
Antenna:	3dB, Omnidirectional
Size:	30 x 30 x 10 mm
Weight:	10 g

Digital VTX



Features	Digital VTX
Channels:	40
Frequency Band:	2.4GHz & 5.8GHz
Output Power:	25/28 dBm
Input Video:	Ethernet/USB
Control:	UART, USB, GPIO
Antenna:	3dB, Dual Omnidirectional
Size:	23 x 29 x 3 mm
Weight:	12 g

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OUR OFFER

Description	Ref. Price	Description	Ref. Price
TruVision 320	€417.20	TruVision 320 PRO	€487.56
TruVision 640	€815.91	TruVision 640 PRO	€904.56
TruVision 1024 PRO MAX	€2,610.87	TruVision 1280 PRO MAX	€2,894.31
LWIR 640-9mm	€877.88	LWIR 640-9mm PRO	€982.22
LWIR 640-19mm	€1,153.07	LWIR 640-19mm PRO	€1,257.41
CMOS 1920-6.5mm	€135.86	Premium NV Tubes 1800 FOM	€2,094.50
Dual Fusion Camera	€1,493.00	Digital Goggles	€676.69
Analog VTX	€61.95	Digital VTX	€360.00

* Ref. pricing is for 1,000 pc qty



CUSTOM PRODUCTS

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