

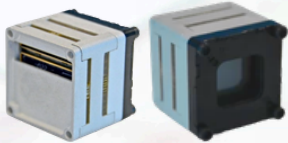
COMPONENT CATALOG

Founded in 2004, AEMC Technologies 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

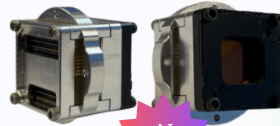
SEE IT - AIM IT - LOCK IT

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

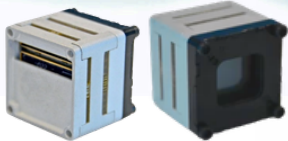
TruVision 320 PRO



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

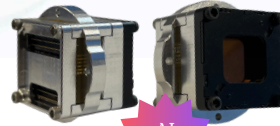
AI
SDK

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

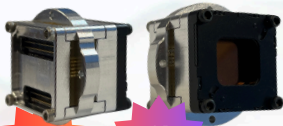


Features	TruVision 640 PRO
Detector:	640x480 12 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
NUC:	Built-in shutter with FFC
Frame Rate:	Up to 60 Hz
Digital Zoom:	1x - 8x continues
Interfaces:	CMOS, USB 3.0, MIPI
Control:	UART, USB 2.0, I2C, SDIO
Size:	21 x 21 x 19 mm (wings)
Weight:	12.5 g

AI
SDK

02

TruVision 1024 PRO

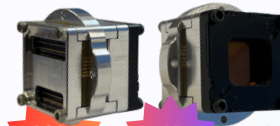


Features	TruVision 1024 PRO
Detector:	1024x768 8.5 μ m
Spectral Range:	LWIR 8 μ m - 14 μ m
NUC:	Built-in shutter with FFC
Frame Rate:	Up to 60 Hz
Digital Zoom:	1x - 16x continues
Interfaces:	CMOS, USB 3.0, LVDS
Control:	UART, USB 2.0, I2C, SDIO
Size:	21 x 21 x 19 mm (wings)
Weight:	12 g

2026
Q3

AI
SDK

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

2027
Q3

AI
SDK

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

AI
SDK

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

AI
SDK

03

LWIR 640 PRO



AI
SDK

Features	LWIR 640-9
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, LVDS
FoV [H x V]:	48.90° (H) \times 36.67° (V)
Size:	21 x 21 x 19 mm (wings)
Weight:	24 g

SWIR 640 PRO



AI
SDK

2027
Q3

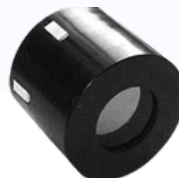
Features	SWIR 640-9
Detector:	640x512 15 μ m
Spectral Range:	SWIR 0.9 μ m – 1.7 μ m
NUC:	Built-in shutter with FFC
Frame Rate:	Up to 240 Hz
Digital Zoom:	1x - 8x continues
Interfaces:	CMOS, USB 3.0, LVDS
Control:	UART, USB 2.0, I2C, SDIO
Size:	21 x 21 x 19 mm (wings)
Weight:	24 g

CMOS 1280



Features	CMOS 3840-9
Detector:	3840x2160 1.45 μ m
Spectral Range:	NIR 0.45 μ m – 0.9 μ m
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]:	35.45° (H) \times 29.91° (V)
Size:	21 x 21 x 19 mm
Weight:	24 g

NV Tubes



Features	IR Tube Inverting/NI	
Detector	20173-G Standard	20173-G Optimum
FoV [H x V]	40° (H) \times 40° (V)	40° (H) \times 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 μ m
Detector 2:	LWIR 640x480 12 μ m
Frame Rate:	Up to 60 Hz
Digital Zoom:	1x - 8x continues
Interfaces:	CMOS, USB 3.0, LVDS
FoV [H x V]:	35.45° (H) \times 29.91° (V)
Size:	35 x 32 x 63 mm
Weight:	50 g

Digital Goggles



Features	Digital Goggles
Imaging:	oLED
Resolution:	1920 \times 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	\$422.15	TruVision 320 PRO	\$473.18
TruVision 640	\$832.35	TruVision 640 PRO	\$897.16
TruVision 1024 PRO	TBD*	TruVision 1024 PRO MAX	TBD*
TruVision 1440 PRO MAX	TBD*	TruVision 1280 PRO MAX	\$2,677.53
LWIR 640 PRO	\$1,217.00	SWIR 640 PRO	TBD*
CMOS 1280	\$178.36	NV Tubes	\$2,153.72
Dual Fusion Camera	\$1,493.00	Digital Goggles	\$602.40
Analog VTX	\$49.99	Digital VTX	\$149.99

* call for pricing



CUSTOM PRODUCTS

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