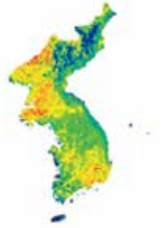




Intelligent
Image
Information
System



i3system, Inc.

True Partner for Your Success in Trust

i3system, Inc.

True Partner for Your Success in Trust

Company overview

Company Name : i3system, Inc.
(Intelligent Image & Information System)

CEO : Chung Han (Ph.D)

Establishment : 1998

Number of Employees : 480 (Q4, 2024)

- 1988 : Initial Research at KAIST by founder
- 2003 : Cooled MWIR R&D
- 2006 : Uncooled LWIR R&D
- 2010 : Serial Production of Cooled MWIR IDDCA
- 2012 : Serial Production of Uncooled LWIR micro-bolometer
- 2015 : IPO in KOSDAQ (Korean stock market)
- 2015 : ISO9001:2008 / ISO9001:2015
- 2016 : New production building set up at Moonji-dong
- 2018 : Launch 12 μ m XGA / VGA / QVGA micro-bolometer detector
- 2019 : Innovation Award by Korea Ministry of Defence
- 2022 : Launch New T2SL HOT MWIR / Cooled LWIR detector
- 2023 : Developed 8 μ m SXGA micro-bolometer detector
- 2024 : Developed T2SL Dual Band detector



Headquarter / Factory #1



Moonji-dong / Factory #2



Jang-dong (R&D Center)

Facilities

Process



Assembly



Analysis



Test & Evaluation



**In house manufacture facility
and test equipments**

Products

01. T2SL Cooled HOT MWIR Detector [MARKOS series]	02
02. T2SL Cooled LWIR Detector [LUKAS series]	06
03. InSb Cooled MWIR Detector	08
04. T2SL Cooled Dual Band Detector	11
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07. Uncooled LWIR Camera Core [Thermal Expert]	14
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T2SL MARKOS series



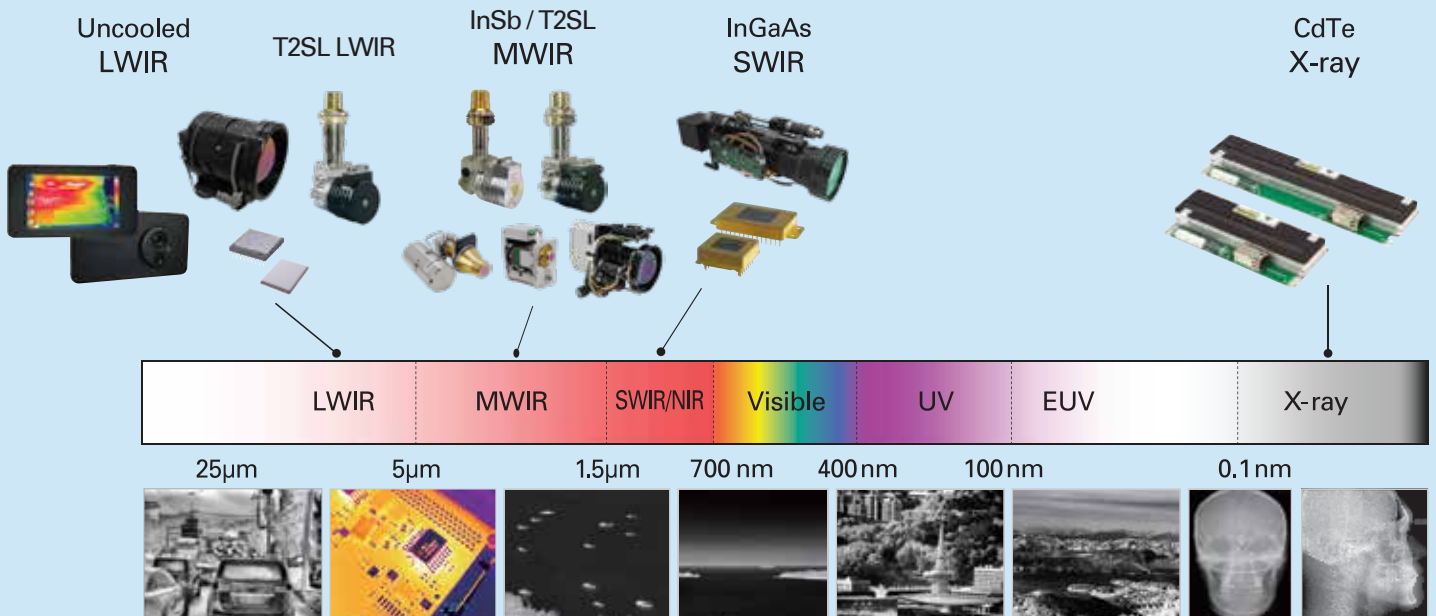
T2SL LUKAS series



InSb SXGA



InGaAs SWIR SXGA





Super MARKOS mini

HOT MWIR 1280 x 1024 7.5 μ m, SWaP

Super MARKOS mini is T2SL HOT MWIR detector which is designed for all types of SWaP systems. Super MARKOS mini is much smaller than other existing HD detectors which enables the user to integrate High Definition IR Cameras.



Detector



OEM Module

Applications



Security



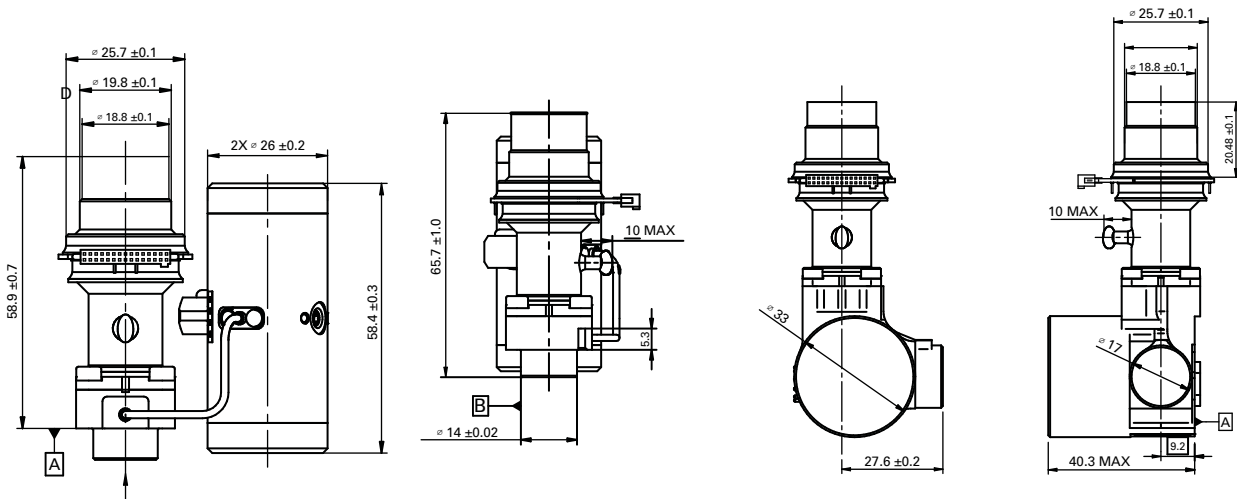
Night
Observation



Long-range
Surveillance



Reconnaissance



Array format	1280x1024
Pixel pitch	7.5 μ m
Detector type	T2SL
Spectral Range	MWIR (3 μ m ~ 5 μ m)
No. of output channel	4 channels
Operability	$\geq 99.5\%$
NETD	$\leq 25\text{mK}$ @ f/2.4 Half well-fill
Frame rate	55Hz @ 1280x1024 Full frame
Cool-down time	$\leq 5 \text{ min}$
Environmental condition	MIL-STD-810
Operating temperature	-40 ~ +71 $^{\circ}$ C
FPA operating temperature	130K

Super MARKOS

HOT MWIR 1280 x 1024 10 μ m



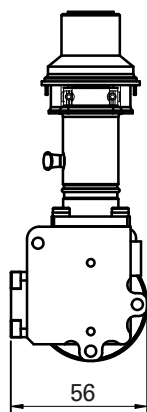
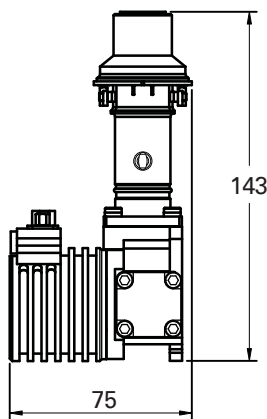
Super MARKOS is a new generation T2SL HOT MWIR detector in HD quality. This T2SL HOT detector satisfies requirement of tactical such as long-range surveillance and electro-optical targeting system. The Operating temperature (>130K) will reduce the maintenance cost.



IDCCA



Proxy board



Applications



Security



Night
Observation



Long-range
Surveillance



Reconnaissance

DRI Information

225mm			420mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	9.8km	22.7km	D	16.1km	33.2km
R	1.9km	4.5km	R	3.4km	7.9km
I	1.4km	3.5km	I	2.6km	6.2km
690mm			900mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	20.2km	37.9km	D	21.5km	38.8km
R	5.1km	10.9km	R	6.0km	12.2km
I	4.0km	8.8km	I	4.8km	10.0km



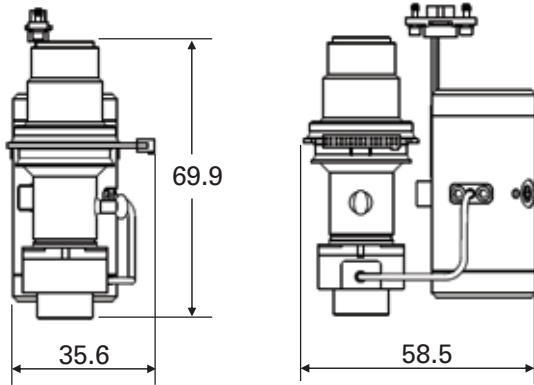
Array format	1280x1024
Pixel pitch	10 μ m
Detector type	T2SL
Spectral Range	MWIR (3 μ m ~ 5 μ m)
No. of output channel	4 or 8 channels
Operability	$\geq 99.5\%$
NETD	$\leq 25\text{mK}$ @ Half well-fill
Frame rate	110Hz@1280x1024 Full frame
Dimension	75mm x 56mm x 143mm
Cool-down time	≤ 5 min
Environmental condition	MIL-STD-810
Operating temperature	-40~+71 $^{\circ}$ C
FPA operating temperature	130K



MARKOS

HOT MWIR 640 x 512 15 μ m, SWaP

MARKOS is a T2SL HOT MWIR SWaP detector specifically designed for handheld thermal imaging and drone & UAV systems, and light-weight monitoring devices. This HOT(High Operating Temperature) and SWaP(Size Weight and Power) detector is suitable for long-term use.



Applications



Security



Night Observation



Long-range Surveillance



Reconnaissance



Detector



OEM Module



Array format	640 x 512
Pixel pitch	15 μ m
Detector type	T2SL
Spectral Range	MWIR (3 μ m ~ 5 μ m)
No. of output channel	4 channels
Operability	≥ 99.5 %
NETD	≤ 20mK @ Half well-fill
Frame rate	up to 220Hz@ 640 x 512 Full frame
Dimension	69.9mm x 58.5mm x 35.6mm
Cool-down time	≤ 5 min
Environmental condition	MIL-STD-810
Operating temperature	-40~+71 $^{\circ}$ C
FPA operating temperature	130K

MARKOS Camera Core

HOT MWIR 640 x 512 15 μ m, SWaP



- High performance VGA HOT MWIR Camera Core with low SWaP. linear cooler integration, and 20-275mm continuous zoom lens
- The camera core includes video processing and control feature designed for handheld cameras, miniature gimbals for drones & UAVs, and light-weight monitoring devices
- Full MWIR Spectral Range, High Sensitivity, Common & Simple Electrical interface



Applications



Security



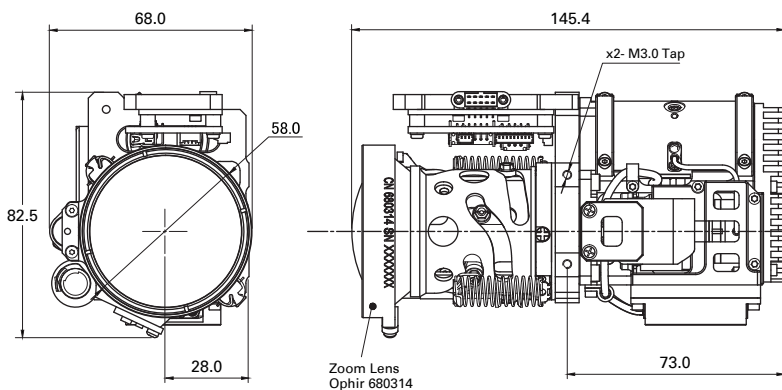
Night
Observation



Long-range
Surveillance



Reconnaissance



DRI Information

275mm



1.8 x 0.5m

2.3 x 2.3m

Detection

10.4km

23.7km

Recognition

2.0km

4.8km

Identification

1.5km

3.7km



Detector

Detector type	T2SL
Array format	640 x 512, 15 μ m
Spectral range	MWIR (3 μ m~5 μ m)
F number	F/5.5 (Standard), customizable
NETD	\leq 20mK @ Half well-fill without lens
Cool-down time	\leq 5 min. @ room temperature

Electrical

Frame rate	60Hz
Input Power	+5.0 VDC board, +12.0 VDC SWaP linear cooler
Power Consumption	\leq 5W steady state @ 23 $^{\circ}$ C (Cooler \leq 3W, Electronics \leq 2W)
Control	UART (RS-232)
Video output	NTSC/PAL, HDMI, Camera-link

Mechanical

Size (W x H x L)	Without lens : 51mm x 75.6mm x 70.1mm
	With lens : 68mm x 82.5mm x 145.4mm
Weight	Without lens : 360g
	With lens : 710g (f/5.5 20-275mm)



Super LUKAS

LWIR 1280 x 1024 10 μ m

Super LUKAS is a T2SL LWIR SXGA detector which shows an excellent performance especially for ground vehicles with its anti-blooming capability and strong penetration in foggy & dusty area. This SXGA LWIR detector ensures the visibility even in tough environmental conditions such as sun-glint and light reflex.



Proxy board [Raw data]
Output: Camera Link

Applications



Security /
Surveillance



Night
Observation



Thermal
Sight

Specifications

Detector type	T2SL
Array format	1280 x 1024
Pixel pitch	10 μ m
NETD	$\leq 30\text{mK @ Half well-fill}$
Wavelength band	LWIR (7.7 μ m ~ 9.4 μ m)
Max Frame rate	110Hz
Cool-down time	$\leq 8\text{min}$

Images from the 2D IR detector



LUKAS Pro

LWIR 640 x 512 15 μ m



LUKAS is a T2SL LWIR VGA detector which shows an excellent performance especially for ground vehicles with its anti-blooming capability and strong penetration in foggy & dusty area. This LWIR detector ensures the visibility even in tough environmental conditions such as sun-glint and light reflex.



Proxy board [Raw data]
Output: Camera Link

Applications



Security /
Surveillance



Night
Observation



Thermal
Sight

Specifications

Detector type	T2SL
Array format	640 x 512
Pixel pitch	15 μ m
NETD	$\leq 25\text{mK}$ @ Half well-fill
Wavelength band	LWIR (7.7 μ m ~ 9.4 μ m)
Max Frame rate	200Hz @ 640 x 512 Full Frame
Cool-down time	$\leq 7\text{min}$

Images from the 2D IR detector





InSb Cooled IR Detector

MWIR 1280 x 1024 10 μ m



DI-1280-10M
IDDCA



iCP1280
Proxy board



iCE1280P
OEM Module

Applications



Security



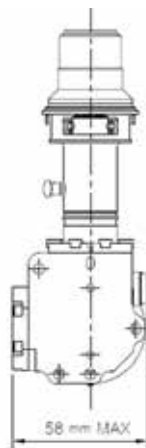
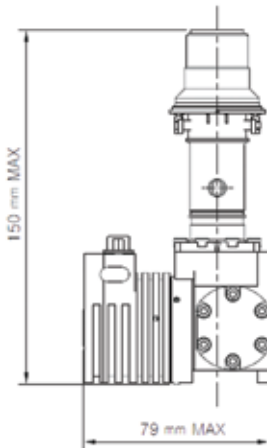
Night
Observation



Long-range
Surveillance

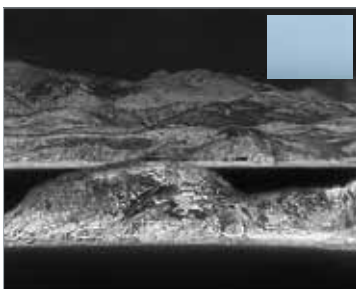


Reconnaissance



DRI Information

225mm			420mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	9.8km	22.7km	D	16.1km	33.2km
R	1.9km	4.5km	R	3.4km	7.9km
I	1.4km	3.5km	I	2.6km	6.2km
690mm			900mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	20.2km	37.9km	D	21.5km	38.8km
R	5.1km	10.9km	R	6.0km	12.2km
I	4.0km	8.8km	I	4.8km	10.0km



Array format	1280x1024
Pixel pitch	10 μ m
Detector type	InSb
Spectral Range	MWIR (3 μ m ~ 5 μ m)
No. of output channel	4 or 8 channels
Operability	$\geq 99.5\%$
NETD	$\leq 25\text{mK}$ @ Half well-fill
Frame rate	100Hz @ 1280x1024 Full frame
Readout mode	IWR
Cool-down time	≤ 5 min
Environmental condition	MIL-STD-810
Operating temperature	-40 ~ +71 $^{\circ}$ C
FPA operating temperature	80K

InSb Cooled IR Detector

MWIR 640 x 512 15 μ m



DI-640-15M
IDDCA



iCP640
Proxy board



iCE640
OEM Module

Applications



Security



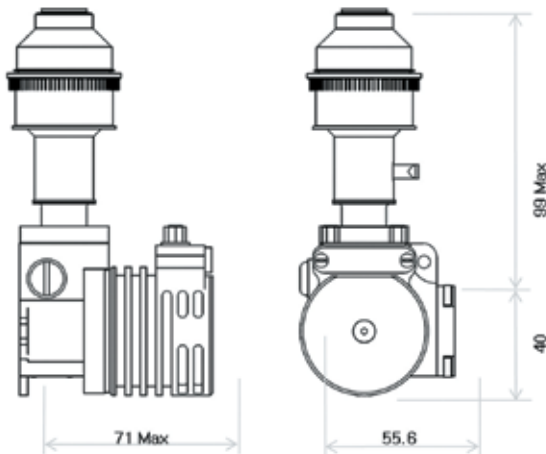
Night
Observation



Long-range
Surveillance



Reconnaissance



DRI Information

275mm			420mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	10.4km	23.7km	D	15.9km	32.5km
R	2.0km	4.8km	R	3.3km	7.8km
I	1.5km	3.7km	I	2.6km	6.1km

690mm			900mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	19.7km	36.4km	D	20.8km	36.8km
R	5.0km	10.7km	R	6.0km	11.9km
I	4.0km	8.7km	I	4.8km	9.8km



Array format	640 x 512
Pixel pitch	15 μ m
Detector type	InSb
Spectral Range	MWIR (3 μ m ~ 5 μ m)
No. of output channel	1 or 4 channels
Operability	≥ 99.5 %
NETD	≤ 20mK @ Half well-fill
Frame rate	200Hz @ 640x512 Full frame
Readout mode	ITR or IWR
Cool-down time	≤ 7 min
Environmental condition	MIL-STD-810
Operating temperature	-40~+71 $^{\circ}$ C
FPA operating temperature	80K

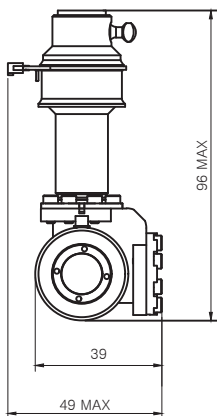
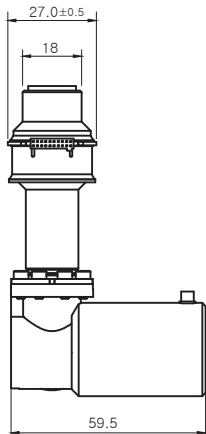


InSb Cooled IR Detector

MWIR 320 x 256 15 μ m



DI320-15M



Applications



Security



Night
Observation



Drone



Hand-held
Thermal Imager

Specifications

Detector type	InSb
Array format	320 x 256
Pixel pitch	15 μ m
NETD	$\leq 20\text{mK}$ @ Half well-fill
Spectral Range	MWIR (3 μ m ~ 5 μ m)
Readout mode	ITR
Cool-down time	$\leq 7\text{min}$

Images from the 2D IR detector



T2SL Dual Band Detector

MWIR / LWIR 640 x 512 20 μ m



Dual Band detector is New Generation Infrared based on T2SL. It acquires each MWIR and LWIR bands by selecting the applied bias direction. The New Generation Dual Band detector will enhance the system performance in various operating environments.

Applications



Security



Night
Observation



Long-range
Surveillance



Reconnaissance

Specifications



Detector type	T2SL
Array format	640 x 512
Pixel pitch	20 μ m
Spectral Range	MWIR + LWIR
MWIR NETD	≤ 20 mK
LWIR NETD	≤ 30 mK
Operability	$\geq 99.5\%$
Max Frame Rate	200 Hz @ 640 x 512 Full frame
Cool-down time	≤ 7 min

Images



MWIR



LWIR



Visible

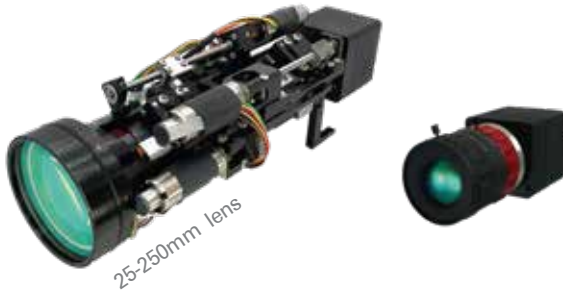


InGaAs SWIR Camera Core

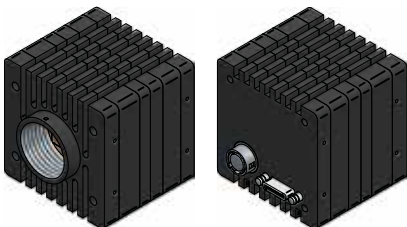
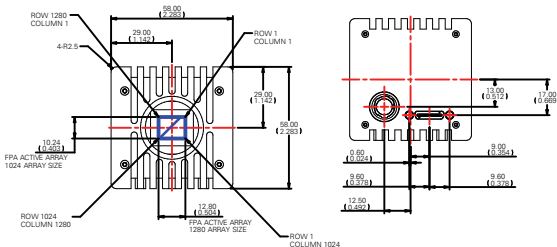
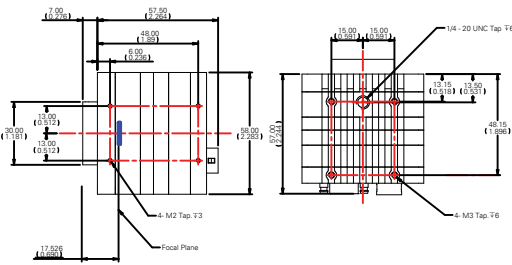
1280 x 1024 10 μ m

iSE1280-10-CL

iSE1280 is SWIR camera module designed for various inspections such as food quality, material, non-destructive, forgery, etc. The SWIR range provides distinctive benefits as reflective image, better atmospheric transparency, and smoke/haze penetration.



25-250mm lens



Applications



Detection / Surveillance



Material inspection



Food inspection



Forgery detection



Semiconductor inspection

DRI Information

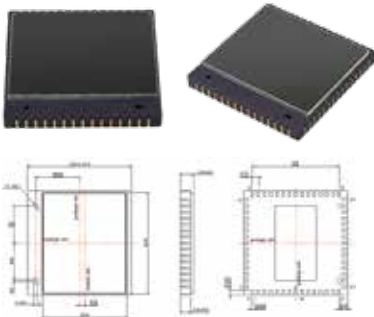
19mm			25mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	1.3km	3.2km	D	1.7km	3.9km
R	0.3km	0.7km	R	0.4km	1.0km
I	0.2km	0.6km	I	0.3km	0.7km

250mm			1000mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	9.0km	15.8km	D	16.8km	24.6km
R	2.8km	6.1km	R	7.2km	12.8km
I	2.3km	5.1km	I	6.1km	11.2km

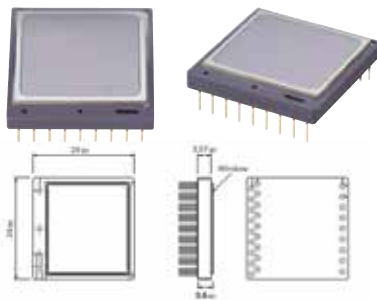
Array format, Pixel pitch	1280x1024, 10 μ m
Detector type	InGaAS
Spectral range	SWIR (0.9 μ m ~ 1.7 μ m)
Quantum Efficiency	85% @ 1.4 μ m
Readout Noise (RMS)	$\leq 100 e^-$
Shutter Mode	Global Shutter
Dark Current (e/p/s)	12,500 @ 10 $^{\circ}$ C
Frame rate	50Hz
Power	12V DC, $\leq 8W$
Video Output	Camera Link
Full Well Depth	* LG : 540ke- / MG : 310ke- / HG : 50ke-
Operating temperature	-33 $^{\circ}$ C ~ 55 $^{\circ}$ C
Dimension and Weight	50mm x 50mm x 59mm, 250g

* LG : Low Gain / MG : Mid Gain / HG : High Gain

Uncooled Infrared Detector



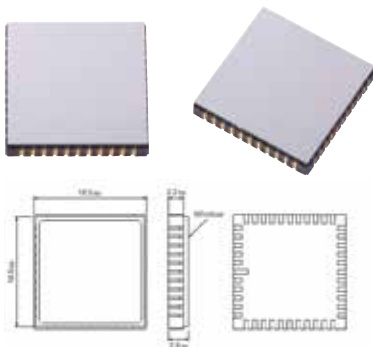
DB1280-8C-A
1280 x 1024, 8 μ m



DB1024-12C-A
1024 x 768, 12 μ m

DB640-12C-A
640 x 480, 12 μ m

DB640-17C-A
640 x 480, 17 μ m



DB384-12C-A
384 x 288, 12 μ m

DB384-17C-A
384 x 288, 17 μ m

Applications



Security /
Surveillance



Night
Vision



Electrical
maintenance



Plumbing



Medical /
Health

Specifications

Detector type	Microbolometer (uncooled)
Array format	1280 x 1024
Pixel pitch	8 μ m
NETD	$\leq 55\text{mK}$ or $\leq 70\text{mK}$ @ F/1 300K, 30Hz
Spectral Range	LWIR (8 ~ 14 μ m)
Max Frame rate	30 Hz
Thermal time constant	$\leq 15\text{ms}$
Dimensions / Weight	25.2 x 25.2 x 3.4 mm / $\leq 8\text{g}$

Detector type	Microbolometer (uncooled)		
Array format	1024 x 768	640 x 480	384 x 288
Pixel pitch	12 μ m		
NETD	$\leq 40\text{mK}$ or $\leq 55\text{mK}$ @ F/1 300K, 30Hz		
Spectral Range	LWIR (8 ~ 14 μ m)		
Max Frame rate	100 Hz	60 Hz	
Thermal time constant	$\leq 15\text{ms}$		
Dimensions / Weight	24 x 24 x 3.6 mm (without pin) / $\leq 7\text{g}$		

Detector type	Microbolometer (uncooled)	
Array format	640 x 480	384 x 288
Pixel pitch	17 μ m	
NETD	$\leq 50\text{mK}$ @ F/1 300K, 30Hz	
	$\leq 35\text{mK}$ @ F/1 300K, 30Hz (optional)	
Spectral Range	LWIR (8 ~ 14 μ m)	
Max Frame rate	60 Hz	
Thermal time constant	$\leq 15\text{ms}$	
Dimensions / Weight	16.5 x 16.5 x 2.9 mm / $\leq 7\text{g}$	



THERMAL EXPERT™

Uncooled Infrared Camera Core

TE-EX2
TE-EV2
TE-EQ2



TE-EX2
1024 x 768, 12 μ m
15-100mm lens



TE-EV2
640 x 480, 12 μ m



TE-EQ2
384 x 288, 12 μ m

DRI Information

18mm			25mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	950m	2300m	D	1320m	3190m
R	240m	570m	R	330m	800m
I	120m	290m	I	160m	400m

50mm			100mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	2640m	6390m	D	5280m	12780m
R	660m	1600m	R	1320m	3190m
I	330m	800m	I	660m	1600m

150mm			300mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	7920m	19170m	D	15830m	38330m
R	1980m	4790m	R	3960m	9580m
I	990m	2400m	I	1980m	4790m

	TE-EQ2	TE-EV2	TE-EX2
Detector Type	Micro-Bolometer(Uncooled)		
Array format and Pitch	384x288, 12 μ m	640x480, 12 μ m	1024x768 12 μ m
Thermal Sensitivity(NETD)	$\leq 55\text{mK} / \text{F}\#1.0$, Room Temperature		
Spectral Range	8 to 14 μ m		
Power Supply	DC 5V	DC 5V	DC 5V
Power Consumption	< 1.6W@30Hz(Steady State)	< 2.0W@30Hz(Steady State)	< 2.5W@30Hz(Steady State)
Video Output Format	Digital : USB, CameraLink, LVCMOS, BT656 Analog : NTSC, PAL		CameraLink
Frame Rate	9Hz, 30Hz		
Time to First Image	< 7 Sec Max.		
Control Command Protocols	RS-232(Option RS-485)		
Dimensions(WxHxD)	30x30x27 mm	30x36x27 mm	30x36x27 mm
Weight	< 50g(Without Lens)		
Operating Temperature	-10 $^{\circ}\text{C} \sim 65^{\circ}\text{C}$ (Optional -40 $^{\circ}\text{C} \sim 65^{\circ}\text{C}$)		
Storage Temperature	-40 $^{\circ}\text{C} \sim 85^{\circ}\text{C}$		
Scene Range Temperature	-10 $^{\circ}\text{C} \sim 150^{\circ}\text{C}$		

THERMAL EXPERT™

Uncooled Infrared Camera Core

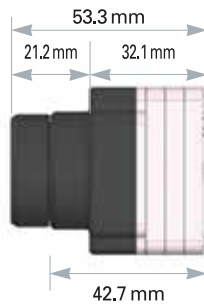
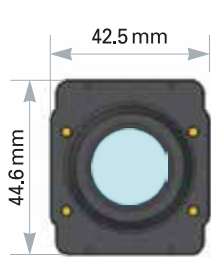
TE-EV1
TE-EQ1



TE-EV1
640 x 480, 17 μ m



TE-EQ1
384 x 288, 17 μ m



DRI Information

19mm			25mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	710m	1710m	D	930m	2250m
R	180m	430m	R	230m	560m
I	90m	210m	I	120m	280m

35mm			50mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	1300m	3160m	D	1860m	4510m
R	330m	490m	R	470m	1130m
I	160m	390m	I	230m	560m

150mm			300mm		
	1.8 x 0.5m	2.3 x 2.3m		1.8 x 0.5m	2.3 x 2.3m
D	5590m	13530m	D	11180m	27060m
R	1400m	3380m	R	2790m	6760m
I	700m	1690m	I	1400m	3380m

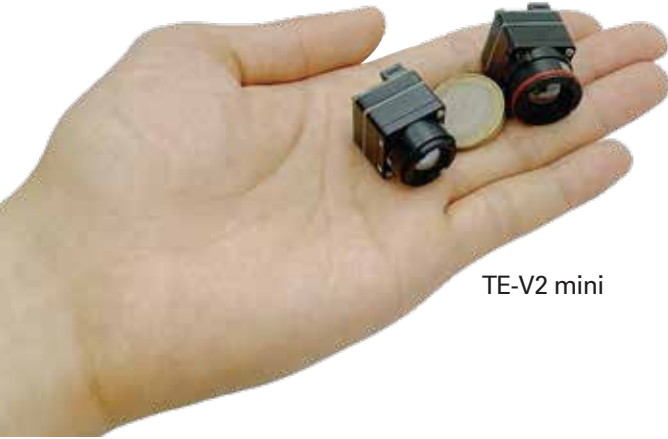
	TE-EQ1	TE-EV1
Detector Type	Micro - Bolometer (Uncooled)	
Array format and Pitch	384 x 288, 17 μ m	640 x 480, 17 μ m
Thermal Sensitivity (NETD)	\leq 50mK @ F/1, 300K	\leq 50mK or 35mK @ F/1, 300K
Spectral Range	8 ~ 14 μ m	
Power Supply	DC 5V	
Power Consumption	< 1.8W @ (30Hz)	< 2.0W @ (30Hz)
Video Output Format	Digital: Camera Link, USB, LV CMOS Analog: NTSC, PAL	
Frame Rate	9Hz or 30Hz	
Time to First Image	< 10 sec	
Control	USB2.0, RS-232	
Dimensions (WxHxD)	42.5mm x 44.6mm x 41.1mm	42.5mm x 44.6mm x 41.1mm
Weight	< 110g (Without lens)	
Operating Temperature	-10 $^{\circ}$ C ~ 65 $^{\circ}$ C (Optional -40 $^{\circ}$ C ~ 65 $^{\circ}$ C)	
Storage Temperature	-40 $^{\circ}$ C ~ 85 $^{\circ}$ C	
Scene Range Temperature	-10 $^{\circ}$ C ~ 150 $^{\circ}$ C	



THERMAL EXPERT™

Uncooled Infrared Camera Core

TE-V2 mini
TE-V2
TE-Q2



TE-V2 mini

Applications



Security /
Surveillance



Night
Vision



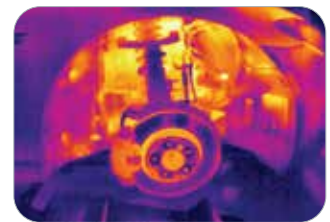
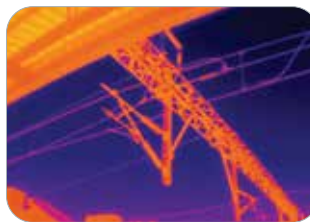
Electrical
maintenance



Plumbing



Drone



TE-V2 mini
640 x 480, 12 μ m



TE-V2
640 x 480, 12 μ m



TE-V2
640 x 480, 17 μ m



TE-Q2
384 x 288, 12 μ m

	TE-V2 mini	TE-V2	TE-Q2
Detector Type	Micro-Bolometer(Uncooled)		
Array format and Pitch	640x480, 12 μ m (WLP)	640x480, 12 μ m / 17 μ m	384x288, 12 μ m
Thermal Sensitivity(NETD)	≤ 55 mK	≤ 55 mK(12 μ m), ≤ 50 mK(17 μ m)	≤ 55 mK
Spectral Range	8 to 14 μ m		
Power Consumption	0.9W	0.85W	0.5W
Interface	USB		
Lens	9.0mm f/1.1 9.1mm f/1.0 13.0mm f/1.2	9.1mm f/1.0 (12 μ m) 13mm f/1.2 (12 μ m) 14mm f/1.2 (17 μ m)	5.7mm f/1.1
Frame Rate	9Hz, 30Hz		9Hz
Dimensions	19 x 19 x 23.2 (9.0mm) 19 x 19 x 26.3 (9.1mm) 19 x 19 x 27.4 (13.0mm)	33.6 x 24.4 x 37.6(12 μ m) 34.4 x 26.6 x 37.6(17 μ m)	34 x 38 x 21.5
Weight	13.5g (9.0mm) 16.7g (9.1mm) 19g (13.0mm)	47g (12 μ m, 9.1mm) 67g (17 μ m)	30g
Operating Temperature	-10 $^{\circ}$ C ~ 50 $^{\circ}$ C		
Scene Range Temperature	-10 $^{\circ}$ C ~ 150 $^{\circ}$ C		

THERMAL EXPERT™

Portable Infrared Camera

TE-SQ1



Features

- Color palettes (12 color maps)
- Storage images (IR, visible with snapshot and video)
- Image view with visible (50:50, Twin, Overlay, Floating)
- Temperature Measurement (Alarm, Min / Max, Point / Rectangle / Circle profile)
- Level span (Temp. range control)
- Report (Generate PDF report)
- Wi-Fi streaming, Data Sharing
- Compatible with Analysis Tool
- Digital Zoom
- SD Card, Micro HDMI Support



Applications



Security /
Surveillance



Night
Vision



Electrical
maintenance



Plumbing
/ HVAC



Medical /
Health



Animal Care



Leisure

Specifications

TE-SQ1	
Detector type	Micro-Bolometer(Uncooled)
Array Format and Pitch	384x288, 12 μ m
Thermal Sensitivity(NETD)	≤ 55 mK@F/1, 300K(20 $^{\circ}$ C~30 $^{\circ}$ C)
Operability	$\geq 99.0\%$
Spectral range	8~14 μ m
Lens Specification	5.7mm, f/1.1, Manual Focus
Field of View	38 $^{\circ}$ (H)x29 $^{\circ}$ (V)~47 $^{\circ}$ (D)
Frame Rate	< 9Hz
Display	5 Inch (Touch Screen)
Temp. Range	-40~350 $^{\circ}$ C
Accuracy	0 $^{\circ}$ C~100 $^{\circ}$ C : $\pm 3^{\circ}$ C, 100 $^{\circ}$ C~350 $^{\circ}$ C : $\pm 3\%$ [Ambient temp. 15 to 35 $^{\circ}$ C, Object temp. above 0 $^{\circ}$ C]
Output	Micro HDMI
Operation Temp.	-10~50 $^{\circ}$ C
Storage	Internal 32GB, Micro SD card(External)
Dimension	157mmx87mmx25mm
Weight	375g
Battery	Li-Ion(Internal), 4200mA

Catalog



Cooled
product



Uncooled
product

Website



i3system



Thermal Expert



LinkedIn



YouTube



Instagram

Social Media



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