LWIR(열화상) GigE Vision 카메라



Proven Reliability with Premium LYNRED Thermal Detectors

Trusted Performance Powered by LYNRED PICO640

Equipped with the premium PICO640 thermal detector from LYNRED, France, a globally recognized leader in infrared sensor technology.

Unlike low-cost alternatives, the PICO640 delivers proven reliability, consistent image quality, and long-term operational stability for demanding military and industrial applications.

Wide Coverage with VGA Precision

Monitor large areas while maintaining excellent image clarity and detail with VGA (640 × 480) resolution.

High-resolution thermal imaging allows users to observe wider scenes and digitally zoom in on specific areas with greater detail.

Ideal for large industrial plants, electrical facilities, construction sites, and manufacturing environments.

Industrial-Grade Durability with Shutterless Support

The LYNRED PICO series is well suited for advanced shutterless image correction technology, enabling smooth and continuous thermal imaging without mechanical shutter interruptions.

Designed for reliable 24/7 monitoring, making it an ideal solution for automated production lines, industrial safety systems, and security applications where uninterrupted operation is essential.

★ For PICO384-based solutions, please refer to the DE384 F60 IPE model.

Application

- \+ Machine Vision
- \+ Automotive & Mobility
- \+ Military Equipment(국방 장비)
- \+ Environmental Monitoring(환경 모니터링)
- \+ Electrical Inspection(전기설비 진단)
- \+ Industrial Inspection & Preventive Maintenance(산업 시설 예방 및 진단)
- \+ Electrical, Battery & EV Charging Station Thermal Inspection(전기/밧데리/충전소)
- \+ Early Fire Detection(초기 화재감지)
- \+ Security & Surveillance(보안 및 감시)
- \+ UAV & Robotics(드론 / 로보틱스)

Specification

	DE384 F60 GE	DE640 F120 GE	DE640s F60 GE
Sensor Information			
Sensor	Lynred PICO384	Lynred PICO640	Lynred ATTO640
Simplified image processing	TECless, Shutterless		
Technology	Amorphous Silicom(a-Si) microbolometer		Vox microbolometer
Spectral Eesponse	8 - 14㎛(LWIR)		
Pixel Pitch	17㎛		**12㎛**
Focal Plane Array	384 x 288	640 x 480	
NETD	<40mK, (f/1, 300K, 50Hz)	<40mK (f/1, 300K, 30Hz)	
Interfaces			
Ethernet	Giga Ethernet(10/100/1000Mbps)		
Protocol	GigE Vision		
Max. Frame rate	60fps	120fps	60fps
Radiometric			
Type	Fully radiometric for all pixels		
Measurement mode	Low Temperature : -15 ~ 120°C		
	High Temperature : 0 ~ 500°C		
Temperature Accuracy	±1°C or 1% at 25°C of ambient temperature		
	±2°C or 2% at 15~30°C of ambient temperature		
Electrical Interface			
Input Voltage	DC12V or PoE		
Power Consumption	<5W	<6W	
Environmental Conditions			
Operation Temperature	-10°C ~ 40°C		
Operation Relative Humidity	maximum 80% non-condensing		
Storge Temperature	-40°C ~ 85°C		
Storage Relative Humidity	maximum 80% non-condensing		
Mechanical Interface			
Size (W x H x D)	56 x 56 x 55mm		
Weight	233g (without Lens)	243g (without Lens)	
Power connector	6-pin threaded Hirose Mating connector part# HR10A-7R-6PB(73)		

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