

UPT KONEX-5000-NB

KONEX

POSITIONING CCTV CAMERA

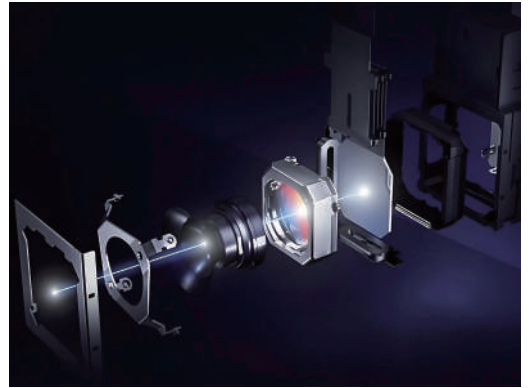


- Integrated Multi-Spectral Head (Thermal + Visual)
- High-Definition Visual Sensor
- High-Sensitivity Uncooled VOx Thermal Sensor
- Continuous 360° Pan and -90° to +30° Tilt
- Ruggedized Gyro-Stabilization (IP67/68)
- PoE Support & H.265/H.264 Video Coding



Konex VIS/NIR optical cameras utilize **high-sensitivity CMOS sensors** to deliver excellent spectral sensitivity in the visible and near-infrared regions, enabling **high-quality images optimized for long-range** surveillance.

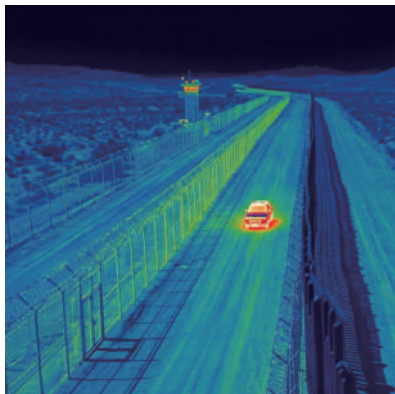
Supporting image resolutions ranging from **2MP(1080p HD) to 8MP (4K UHD)**, these cameras provide clear surveillance in any environment through optical image stabilization and optical defogging functions, and Konex is designed to deliver the highest level of performance and quality.



Standard Color Visible Image

Integrated thermal imaging cameras can see further than any other night vision technology. Thermal imaging technology uses heat to identify objects, and people, animals, and vehicles are much easier to spot in a scene because they appear hot in contrast to most of the background.

Additionally, thermal images are unaffected by bright light and can penetrate atmospheric obstacles such as smoke, dust, and light fog. Thanks to these features, it is an ideal technology for various fields, including surveillance and security, search and rescue, firefighting, maritime and land navigation, and wide-area situational assessment.



Integrated thermal image

Konex's LWIR sensor option for **12μm VOx** thermal imaging cameras utilizes a state-of-the-art 12μm VOx uncooled sensor to provide a narrower field of view without lens replacement.

The Konex positioning system is capable of **monitoring up to 90 degrees vertically**, making it efficient for detecting and tracking flying objects such as flocks of birds or drones.

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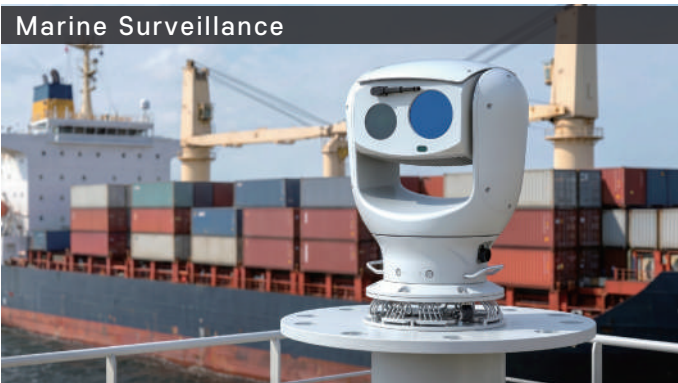
Defog(off)



Defog(on)

The Konex **Autofocus zoom camera** offers a wide range of focal lengths from **37x** to up to **58x** optical zoom through a precisely engineered IR-compensated continuous zoom lens option, and supports stable, shake-free video even during long-distance surveillance with an **optical image stabilization** zoom lens option.

Marine Surveillance



Military Security



Prison Perimeter Surveillance



Nuclear Power Plant Surveillance



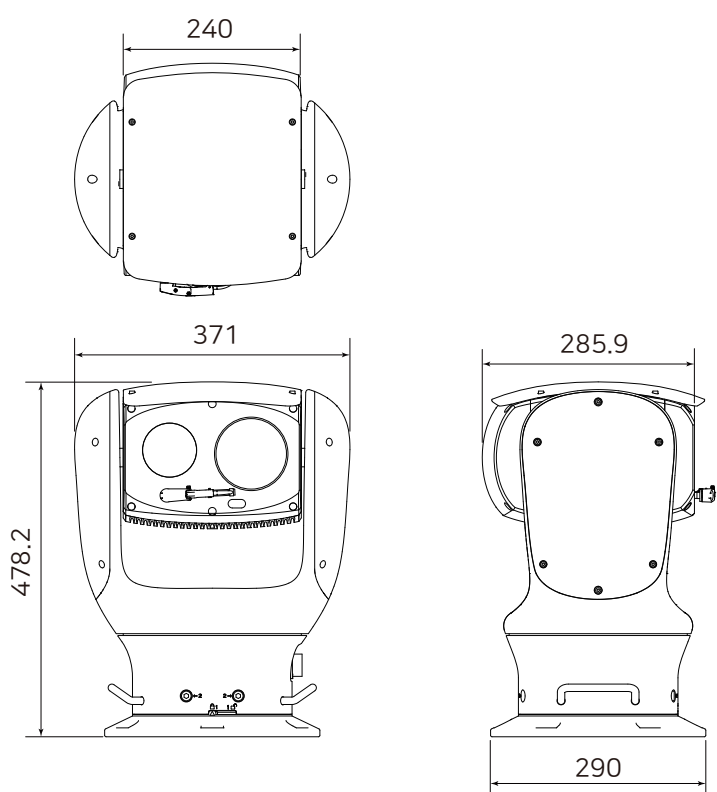
Specification

	KONEX-5000(3735)		KONEX-5000(5875)	
	EO Visual Camera	LWIR Thermal Camera	EO Visual Camera	LWIR Thermal Camera
Image Sensor	8.4MP 1/1.8" W CMOS	Uncooled Vox 30Hz	4.0MP 1/1.8" W CMOS	Uncooled Vox 30Hz
Resolution	4K @ 30fps (3840×2160)	640 x512 pixels	2MPFHD@ 30fps (1920x1080)	640 x512 pixels
Lens	6.5~240mm	35mm f1.0	6.5~385 mm	35mm f1.0
Optical Zoom	37X	Fixed	58X	Fixed
Digital Zoom	16X	4×	16X	4×
Field of View (H)	61.1°~1.8°	12.5°x24.8°	63.4°~1.2°	12.5°x24.8°
Focus	Auto / Manual	Athermalized	Auto / Manual	Athermalized
Minimum Illumination (B&W)	Colour: 0.01Lux/F1.5		Colour: 0.005Lux/F1.5	
Optical Fog Filter (NIR)	Yes		Yes	
Heatwave Mitigation	No		No	
Optical Image Stabilization	No		No	
EIS	Yes		Yes	
Image Enhancement	AWB, WDR, 2D/3D DNR, BLC, HLC, Digital Defog		AWB, WDR, 2D/3D DNR, BLC, HLC, Digital Defog	
Image Optimization	-	DICE, BPR, NUC, AGC	-	DICE, BPR, NUC, AGC
Spectrum	-	12 μm (LWIR)	-	12 μm (LWIR)
NETD	-	20~30 mK	-	20~30 mK
Laser Range Finder	Option		3.5km	
NDAA	Yes			
Video Compression	H.265/H.264/MJPEG			
Protocol	ONVIF, HTTP, RTSP, RTP, TCP, UDP			
Edge Storage	MicroSD Max 256GB			
Laser Range Finder	Option			
AI Function	Human / Vehicle / Bicycle / Drone Recoanition and Target Auto tracking			

Detection /Observation /Recognition /Identification

Human	Detection	5.4 km	1.3 km	4.4 km	2.9 km
	Recognition	1.1 km	461 m	872 m	988 m
	Identification	544 m	231 m	436 m	494 m
Vehicle	Detection		3.3 km		7.1 km
	Recognition		1.1 km		2.4 km
	Identification		559 m		1.2 km

Dimensions



UNIT(mm)

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※ For customized solutions and detailed specifications, consult our sales development team.

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