

# KOLO LC1 DUAL SENSOR PTZ CAMERA



## System Overview

LC1 is an advanced and powerful day/night system designed for mid-long range security applications. It allows long range observation and detection using the most advanced day/night sensors and optics.

The multisensor system is boosted with powerful high definition and best performance day night sensors and it can also include long range laser illuminators or short wave payload.

Designed and constructed to withstand the harshest weather and environments, including cameras and P/T coolers and heaters.

A wide range of sensors and configuration options are available.



DAY/NIGHT SENSORS	SHORT WAVE SENSORS
1920x1080/2 megapixel 2064x1544/3 megapixel 3840x2160/8 megapixel	640x512/5um.* 1280x1024/5um.*
High performance Long / Mid range distance High performance night vision Cost effective	High performance Long / Mid range distance High performance night/fog/haze vision



## System Overview

FOCAL LENGTH	RESOLUTION	HFOV	STABILIZATION	DEFOGGING	TURBULENCE	NIR	DETECTION	OBSERVATION	RECOGNITION	IDENTIFICATION
6-210mm	2mp.	1.9°	EIS	Optical	No	No	2.315m.	918m.	463m.	231m.
6-300mm.	2mp.	1.3°	EIS	Optical	No	No	3.384m.	1.343m.	677m.	338m.
6,3-365mm.	2mp.	1.2°	OIS+ EIS	Optical	No	No	3.666m.	1.455m.	733m.	366m.
6-540mm.	2mp.	0.8°	EIS	Optical	No	Yes	4.889m.	1.940m.	977m.	488m.
15-850mm.	2mp.	0.5°	OIS+ EIS	Optical	Yes	Yes	11.000m	4.365m.	2.200m.	1.100m.
15-860mm.	2mp.	0.5°	EIS	Optical	Yes	Yes	14.667m	5.820m.	2.933m.	1.466m.
SHORT WAVE / SWIR SENSORS										
16,6- 500mm.	640x5 12	0.4°	EIS	Optical	Yes	Yes	4.800m	2.461m.	1.884m.	1.136m.
16,6- 500mm.	1,3m p.	0.7°	EIS	Optical	Yes	Yes	5.670m	2.987m.	2.364m.	1.460m.

DORI distances are a reference, different weather conditions such as dust, fog or haze may affect to the final detection performance.

## System Compatible Options

LASER ILLUMINATORS		GROUND / MARINE RADARS	
<ul style="list-style-type: none"> <li>• 1Km.</li> <li>• 2Km.</li> <li>• 3Km.</li> </ul>	808nm. wavelength Over 5Km. distance Fiber Coupling Edge Emitting Laser (EEL) -35°C. cold start 100mm. collimator	Directional / Omnidirectional X and Ku band Ground / Marine Multiple target detection	Multi tracker Drone detection Drone jamming integration Artificial Intelligence and object classification
GNSS		COMMAND AND CONTROL	
<ul style="list-style-type: none"> <li>• GPS L1</li> <li>• Galileo</li> <li>• Glonass</li> </ul>		Multiple task control Multilayer information PSIM function Tracking display	Advanced AI analytics

## LC1 Compatible Options

### LITE PAN/TILT

"T" type pan/tilt unit  
 10Kg. + 10Kg. max. payload  
 All worm gears  
 Azimuth 360° continuous  
 Elevation +90/-90°\*  
 Max./Min azimuth speed 0,01-80°/-sec.\*  
 Max./Min elevation speed 0,01-40°/-sec.\*  
 Waterproof IP66  
 Military connectors  
 Giga Ethernet

### SYSTEM TECHNICAL FIGURES / INCLUDED

Electric: 24v.DC/4A. (110-220v.AC Industrial grade power supply included)  
 System weight without cameras: 31Kg.  
 System cable connections: 12m. connection cable, waterproof/UV light ready  
 All military connectors  
 Matting connectors: MS3116F14-19S FEM / MS3114E14-19P MALE  
 PT system main connection cables: Ethernet LAN + RS485

\* Different weather conditions and temperature changes may affect to final distances, the stated distances are references.  
 \* GE window, LFR, GPS, DMC and laser are optional and only applicable to selected models.  
 \* Infrared CVBS video available only for 640x512, for 1280x1024 HDSDI available, analog video for day/night cameras not available.  
 \* Pan/tilt speed shall be adjusted depending the payload weight.  
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# LC1 Series System Dimensions

