

## Multi-Sensor Video System for RCWS for Tactical Vehicle

### <Features>

The multi-sensor imaging system is equipped with a high-performance daytime TV camera, high-resolution, uncooled LWIR thermal imaging camera, laser range finder (LRF) and pan-tilt unit with fast and accurate target orientation.

### <Base Model>

- LWIR 640(H)x512(V) uncooled thermal imaging camera (Option: 1024x768 Pixels)
- Daytime 2M HD 1,920(H)x1,080(V) color TV camera
- Laser Range Finder : 12km, Eye-safe laser (LRF)

### <Applications>

- Tactical Vehicle RCWS System
- Combat Vehicle RCWS System
- Self-driving Robot RCWS System



## Multi-Sensor Video System <TICA-RCWS180>

Tactical Vehicle RCWS	Combat Vehicle RCWS	Self-driving Robot RCWS
		

<Specification>

1. Thermal Imaging Camera

Items	Spec.	Conditions
Detection Range	3km	Human target standard
Focal Length	30mm / 180mm	Dual Magnification
Field of View	20.4°(H)x15.0°(V)~ 3.4°(H)x2.6°(V)	
Detector	640x512 Pixels	1024x768 Pixels(option)
Wavelength Band	8~12 $\mu$ m	
Frame Rate	30Hz	

2. Daytime Camera

Items	Spec.	Conditions
Detection Range	6km	Human target standard
Focal Length	10~250mm	Continuous Zoom
Field of View	39.9(H)x30.4(V)~ 1.6(H)x1.2(V)	
Detector	2.8 M CMOS Sensor	1,920(H)x1,080(V)
Wavelength Band	0.4~0.7 $\mu$ m	
Frame Rate	30Hz	

3. Laser Range Finder (LRF)

· Eye-Safe Laser

Items	Spec.	Conditions
Operating Wavelength	1.535 $\mu$ m	Eye-Safe Laser
Pulse Energy	1mJ	
Range	12km	
Range Accuracy	200mm	
Repetition Rate	10Hz	
Detector	InGaAs APD	