

Technical Specifications

System Specifications

Dimensions: $\leq \varnothing 135 \text{ mm} \times 194 \text{ mm}$

Weight: $\leq 1.4 \text{ kg}$

Power Consumption: 20 W (Average), 50 W (Peak)

TV

Sensor: Visible-light camera

Band: $0.4 \mu\text{m} \sim 0.9 \mu\text{m}$

Resolution: 1920×1080

Focal Length: $f = 4.25 \text{ mm} \sim 170 \text{ mm}$

Field of View (FOV): $62.13^\circ \sim 1.73^\circ$

Detection Range: Human 8 km, Vehicle 18.8 km

Recognition Range: Human 2 km, Vehicle 12 km

IR (Long- Wave Uncooled)

Sensor: Long- wave uncooled infrared

Band: $8 \mu\text{m} \sim 14 \mu\text{m}$

Resolution: 640×512

Focal Length: 35 mm / F1.0

Field of View (FOV): $12.4^\circ \times 9.9^\circ$

Pixel Size: $12 \mu\text{m}$

NETD: $\leq 40 \text{ mK}$

Detection Range: Human 1 km, Vehicle 4.6 km

Recognition Range: Human 0.35 km, Vehicle 1.5 km

Laser Rangefinder

Wavelength: 1535 nm

Ranging Range: 15 m $\sim$ 3000 m

Ranging Accuracy: $\pm 1 \text{ m}$

Ranging Frequency: 1 $\sim$ 10 Hz