
Long Range HD Auto-Tracking Rangefinder Camera From
<http://www.jammerbooster.com/>

MODEL:	TH-HD25KM-RCX-JG
SIZE:	1360*660*660mm
PACKAGE:	Neutral Packing

Long Range HD Auto-Tracking Rangefinder Camera

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Introductions:

The HD Photoelectric Automatic Tracking Rangefinder system relies on aerospace flight distance missile servo stabilization technology, servo control technology, image processing technology, communications control technology, optical systems integration technology and other core technology, high precision and high reliability digital proprietary gyro stabilized platform, can effectively isolate the carrier disturbance, clear images and stable; using automatic tracking DSP + FPGA-based digital image technology to meet the stable target tracking of complex environment;

Product design and production process strictly according to demonstration program evaluation, detailed design review, design verification, design validation by aerospace product design and management control procedures, and strictly controlled product quality.

Features:

1. Visible light, thermal sensing dual-channel imaging technology, integrated structure, 24 hours monitoring;
2. Thermal imaging using international advanced uncooled polysilicon, micro heat detectors 384x288 or 640X480 line;

3. Thermal imaging fixed focal length lens, visual field switch, continuous zoom selectable, motorized focus to obtain a clearer picture of night vision; according to the focal length of the lens can detect the target with distance 1 to 40km;

4. Thermal imaging integrated temperature detection module, real-time analysis of target area temperature changes, automatic warning of fire detected;

5. High-definition video camera through the fog, mechanical filter switch, 240 gray levels, automatic black level, contour correction;

6?Magnification zoom lens to telephoto needs, with auto-focus, preset function?

7?Inclement weather adaptability, with far-infrared function, even if all black, rain, snow, fog, smoke and dust environment can be effectively imaged;

8. Preset reach 80 or more, support apple peeling scanning;

9. Resistance to harsh environments with advanced reinforcement, proof from dust, rain, salt spray, vibration and shock, IP66 level;

10. GIS systems can be combined to have targeting positioning capabilities, positioning accuracy 0.01 degree (optional);

11. 3D positioning, real-time image transmission to the monitoring center (optional);

12. Automatic Target Tracking;

13. HD lens autofocus function;

14. Maximum temperature display, mouse temperature tracking, multi-ring temperature contrast temperature alarm, multi-mode temperature alarm;

15. Real-time display of laser ranging target distance, **can be linked with fire control radar system (optional);**

16. Laser light can see up to 5km target with HD image at night.

Applications:

Warship Air defense, border and coastal defense, forest fire prevention, tourist attractions, reservoirs, landslides,, substations, power plants, petrochemical field, fireworks identify the

alarm, traffic intelligence analysis, runways, airport precision equipment, smart city, etc.

Technical Specifications:

Application environment	Outdoor
Installation	Flat base mounting
Power supply	AC/ DC24V \pm 10% in?10A
Power Consumption	?150W?including heating: ?350W
Temperature & Humidity	-45?~+65?& 35%?90%
Protection level	IP66, anti-rust, anti-corrosion coating
Weight	up to 200Kg
Size	1360x660x660mm(L x W x H)
Imaging	1/2 Interline CCD?HD CMOS/CCD?
Resolution	PAL?1280x720P, 1920X1080P
Pixels	HD 0.3/2/3/5/10 million pixels
Min Illumination	0.001LuxF1.2(night)?0.01LuxF1.2(DAY)
Color black and white conversion	Day / night automatic conversion, ICR mechanical double filter switching, external control
Lens focal length	10~320mm, 15.6~500mm, 12.5~750X2=1500mm, 16.7~1000X2=2000mm
O/I enlarge	2X
Lens Control	Power zoom, aperture value F3.9-T1500
Optical magnification	32X/ 60X / 120X
Others	Imaging through fog, day and night IR correction 400-1100nm, lens preset available
Detector Type	Focal plane array, uncooled, refrigeration micro bolometer
Pixels	384x288/ 640X480
Spectral range	8-14?m
Lens focal length	75mm,100mm,150mm,250mm,320mm,450mm, customized
Focus	?????????Motorized focus, or auto focus
Temperature Mode	The maximum temperature display, mouse temperature tracking, multi-ring temperature contrast temperature alarm, multi-mode temperature alarm
3D Positioning	Available (optional)
Auto Focus Lens	All the target near or far can be auto focused
Swatches control	Black hot, incandescent and other 11 kinds of swatches switch
Image Processing	Detail Enhancement (DDE), automatic gain control (AGC)
Fire Recognition	Integrated temperature measurement processor, real-time analysis of the target area temperature, and fire auto
Horizontal rotation speed	Constant speed 3 ° / s or variants 0-30 ° / s
Vertical rotation speed	Constant speed 1.5 ° / s or shift 0-25 ° / s
Horizontal rotation range	360 ° continuous rotation

Vertical rotation range	± 45 ° (adjustable)
Communication Control	RS-485/422?Pelco P,D?2400, 4800, 9600
Preset	80, 255
Cruise function	Support 8 cruises, 10 points per cruise, support apple peeling scanning
Positioning accuracy	±0.01°
Window size	Multi-window Ø100, Ø65, Ø40, germanium window
Shield Function	Heating, air-cooling, sun shading, wipers
Secondary development	RS422 PTZ return function, can work with the GIS system to position latitude and longitude(optional)
Ranging	up to 30km
Speed	10 times / s per times, or 1000 / s times
Distance	up to 5km
Automatic zoom	Automatic zoom, 240 or stepless optical zoom lens, standard interface to synchronize with automatic tracking
Working life	High reliability, working life more than 20,000 hours

