HM-TD71C8-55/W(B)
Thermal Panoramic Scanner

HIKMICRO HM-TD71C8-55/W(B) Thermal Panoramic Scanner is equipped with intelligent GPU and continuously spinning to support 360° panoramic perimeter detection and dynamic fire detection. In addition, it could link PTZ to ensure precise alarm by video verification. It is applied in coastal security and critical infrastructure like oilfield, airports etc.

Features

- 360° panoramic view within one camera
- 1280 × 1024 resolution 12 μm, VOx UFPA, NETD ≤ 25 mK (25 °C, F# = 1.0)
- Perimeter detection based on intelligent algorithm: intrusion, region entrance and exit
- Alarm linkage: Link other PT cameras to track moving targets when alarms triggered

▪ Specification

Thermal Module	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	26376 x 1280
Pixel Pitch	12 μm
NETD	≤25 mK (@25° C,F# = 1.0)
Focal Length	55 mm
Focus Mode	Semi-auto & Manual
IFOV	0.22 mrad
Aperture	F1.0
Field of View	360° × 17.5° (H × V)
Min. Focusing Distance	7.5 m
Image Effect	
Target Coloration	Supported in white hot and black hot mode
PTZ	
Movement Range	Pan: 360° Continuous Rotate; Tilt: From -25° to + 45°
Pan Speed	360° / 2.24s
Smart Function	
VCA	Support 3 VCA rule types (Intrusion, Region Entrance, and Region Exiting), up to 200 VCA rules
Video and Audio	
Main Stream	25 fps (4096 × 2160)
Sub-stream	25 fps (1024 × 1280)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
API	ISAPI, HIKVISION SDK, Open Network Video Interface (Profile S, Profile G, Profile T)
Simultaneous Live View	Up to 20 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and Password), MAC address binding, HTTPS encryption, IEEE 802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering
Client	iVMS-4200, Hik-Connect, Hik-Central, HCP
Web Browser	Live view (plug-in allowed) : Internet Explorer 11 Live view (plug-in free) : Chrome 57.0 +, Firefox 52.0 + Local service : Chrome 57.0+, Firefox 52.0 +

Interface	
Alarm Input	1-ch inputs (0 to 5 VDC)
Alarm Output	1-ch relay outputs, alarm response actions configurable
Alarm Action	SD Card Record/Relay Output/Smart capture/FTP upload/Email linkage
Communication Interface	1, RJ45 10 M/100 M/1000 M Self-adaptive Ethernet interface. 1, RS-485 interface
General	
Menu Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
Power Supply	30 VDC~60 VDC, two-core terminal block
Power Consumption	Max. 150 W
Working Temperature/Humidity	From -40°C to 60°C (-40°F to 140°F); Humidity: 90% ± 3% (no condensation)
Protection Level	IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions	408 mm × 310 mm × 407 mm
Weight	Approx. 25kg (55.1 lb)
Detection Range Table	
VCA Range for Humans	1000 m
VCA Range for Vehicles	3000 m

▪ Range Table

VCA Range (Humans: 1.8 × 0.5 m)	VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Vessels: 20 × 5 m)
1 km	3 km	4 km

▪ DORI

* The table is only for reference and the performance may vary according to different environment
Note: Effective distance values shown are nominal values and should be used as estimates only. Exact value calculations depend on a wide variety of conditions

Target type	Detection Range	Recognition Range	Identification Range
Human (1.8 × 0.5 m)	2.3km	0.6km	0.3km
Vehicle (2.3 × 2.3m)	7.0km	1.8km	0.9km
Ship (10 × 5m)	23.5km	5.9km	2.9km
Ship (20 × 5m)	30.6km	7.6km	3.8km

▪ Available Model

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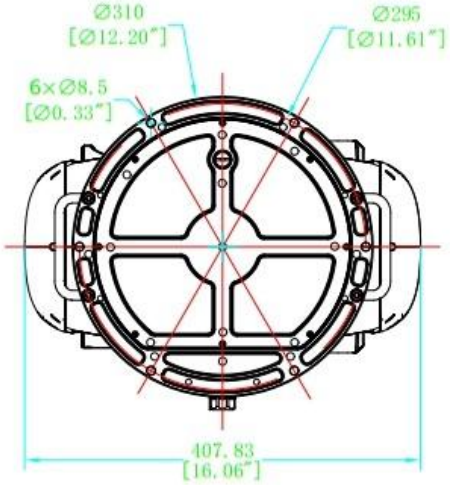
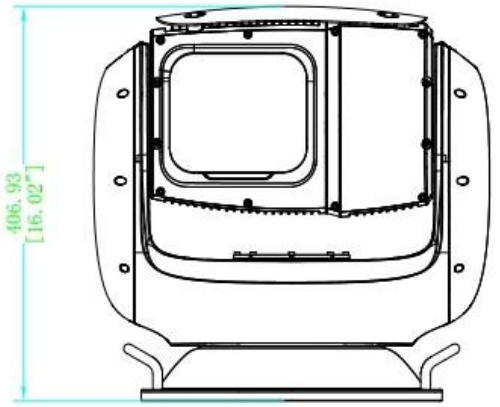
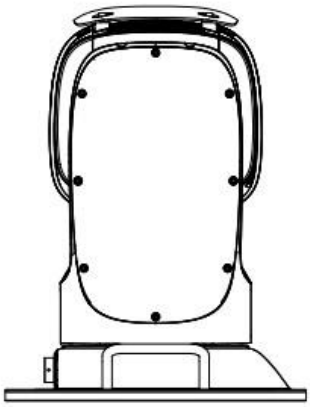
▪ Dimension







Unit:mm[Inch]

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