

# HP-DMS Series

## Multi Sensor Thermal Security Camera



\*The picture is for reference only, the appearance of the product is subject to the actual production

### System Overview

This series Long Range Thermal Imaging Camera products are based on the latest 7th generation uncooled infrared technology and with continuous zoom infrared optical technology. It also equipped with high resolution daylight camera with defog function for long distance daytime details observation. 100mm IR night vision is attached to enable visible cameras clear detail observation in dark.

### Technical Specification

#### Thermal Camera

Image Sensor	Vox Detector
Effective Pixels	640(H)x512(V)/ 384(H)x288(V)
Pixel Size	12/17μm
Thermal Sensitivity (NETD)	≤40mK@f/4.0
Spectral Range	7 ~ 14μm
SDE	Support SDE digital image processing
Pseudo Color	16 pseudo color and B/W, B/W inverse
AGC	Support
Digital Zoom	8X
Strong Light Protect	Support
Temp Correction	Thermal imaging clarity is not affected by temperature
Scene mode	Support multi-configuration scenarios
Lens Servo	Support lens preset, focal length return and location
Azimuth Information	Support angle real-time return and positioning
Parameter Setting	OSD Menu Remote Call Operations.
Life Index Recording	Working/shutter times, ambient/sensor temperature

- 384x288, 640x512, 1280x1024 thermal sensor
- 20/50/75/100mm thermal lens
- 30x/36X/40X/50X CCTV lens with 16X digital zoom
- 100m IR night vision
- IP66 and - 40 °C low temperature resistance

### Thermal Lens

Focal Lens	25mm;35mm;75mm;25~75mm; 100mm
FOV (384x288, 17μm)	25mm: 14.9°×11.2° 35mm: 10.7°×8.0° 50mm: 5.3°× 4.0° 75mm: 18.5°×13.9° 25~75mm: 14.8°×11°~4.9°×3.7° 100mm: 3.7°×2.8°
FOV (640x512, 17μm)	25mm: 24.6°×19.8° 35mm: 17.7°×14.2° 50mm: 12°×9° 75mm: 8°×6° 25~75mm: 24°×18°~8°×6° 100mm: 6.2°×5.0°
Effective Distance (Vehicle: 2.3x2.3m)	20mm: 1.7km (D); 0.5km (R); 0.2km (I) 35mm: 2.8km (D); 0.8km (R); 0.4km (I) D: Detection R: Recognition I: Identification
Effective Distance (Human: 1.8x0.5m)	20mm: 0.7km (D); 0.3km (R); 0.15km (I) 35mm: 1.2km (D); 0.4km (R); 0.2km (I) D: Detection R: Recognition I: Identification
Fire Detection	20mm: 1km 35mm: 1.5km 50mm: 3km 75mm: 4km 100mm: 5km

## Visible Camera

Sensor	1/2.8" Star Level CMOS, Integrated ICR Dual Filter D/N Switch
Resolution	1920(H)x1080(V)
Frame Rate	32Kbps~16Mbps, 60Hz
Min. Illumination	0.0005Lux (Color), 0.0001Lux (B/W)
IR Light	100m
SD Card	Support
Defog	Support SDE digital image processing
BLC/WDR/HLC	Yes
AGC	Support
Digital Zoom	8X

## Visible Lens

Focal Lens	5.5~180mm 32X 6.5~240mm 36X 7~330mm 47X
Image Stabilization	Support
Focus Control	Manual/Auto

## PTZ

Patrol	6*patrol route, 1* patrol line
Rotation	Pan: 0~360°, tilt: -90~+90°
Speed	Pan: 0.01~120°/S, Tilt: 0.01~80°/S
Preset	3000
Gyro (Option)	Accuracy-2mrad (RMS), two-axis gyro, shakes $\leq\pm 10^\circ$

## Interface

Ethernet	RS-485, RS-232, RJ45
Protocol	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE, ONVIF
Video Output	PAL/NTSC
Power	AC12V /DC24V
Compression	H.265 / H.264 / MJPEG

## Environmental

Operate Temp	-25℃~+55℃ (-40℃ optional)
Storage Temp	-35℃~+75℃
Humidity	<90%
Ingress Protect	IP67
Housing	PTA t coating, Seawater corrosion resistance
Anti-fog/salty	PH 6.5~7.2
Power	50W (Peak)
Weight	12kg

## Sensor

Laser	500m
Light Alarm	Auto
Voice Alarm	Auto
4G/5G	Support SIM card before assemble

## Order Information

DMS10-4300-20WZ	Thermal: 20mm, 384x288 Visible: 2mp, 5.5~180mm
DMS10-4300-50WZ	Thermal: 50mm, 384x288 Visible: 2mp, 5.5~180mm
DMS10-6300-50WZ	Thermal: 50mm, 640x512 Visible: 2mp, 5.5~180mm
DMS10-6300S-50WZ	Thermal: 50mm, 640x512 Visible: 2mp, 5.5~180mm with 4G
DMS10-6300G-50WZ	Thermal: 50mm, 640x512 Visible: 2mp, 5.5~180mm with 2-axis gyro
DMS10-6300-50-X1LRF	Thermal: 50mm, 640x512 Visible: 2mp, 5.5~180mm
DMS10-6300-75WZ	Thermal: 75mm, 640x512 Visible: 2mp, 7~330mm
DMS10-6300-75ZWZ	Thermal: 25~75mm, 640x512 Visible: 2mp, 7~330mm
DMS10-6300-100WZ	Thermal: 100mm, 640x512 Visible: 2mp, 7~330mm

## Dimension (mm)

