

IR-DLD-TS

Dual-spectrum Camera



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Thermal camera 640×512 /
384×288 / 256×192



Visible light 1920*1080



Support 30 meters near infrared fill
light



Support alarm light, buzzer alarm
linkage



Support picture-in-picture, dual light
fusion, and other image modes



Support 1-channel hardware alarm
input and 1-channel alarm output



Support Modbus RTU/TCP
temperature output



Outdoor IP66 protection level, lightning,
and surge protection




Compliant with ONVIF: Support
ONVIF Profile-S/G




Support POE power supply

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Items	IR-DLD-TS series technical parameters		
	IR-DLD-TS6XX	IR-DLD-TS3XX	IR-DLD-TS2XX

Infrared

Detector type	Uncooled vanadium oxide focal plane microthermal type		
Pixel	640×512	384×288	256×192
NETD	≤ 0.04°C@F1.0,300K	≤ 0.04°C@F1.0,300K	≤ 0.05°C@F1.0,300K
Spectral range	8~14μm		
Standard lens	13mm / 25mm	7.5mm / 13mm	3.2mm / 6mm
FOV	48°×36° / 25°×19°	49.8°×37.4° / 28.8°×21.6°	50°×38° / 29.8°×22.3°
Focusing mode	Fixed without heat, lens waterproof, hard carbon film		

Visible light

CMOS	1/2.8 inch		
Pixel	1920*1080		
Lens	4mm / 6mm		
NIR fill light	30 meters		

Angle adjustment

Tilt range	0-90 degrees		
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Temperature measurement performance

Range	-20°C~180° C, 0°C~650°C	-20°C~180° C, 0°C~500°C
Accuracy	± 2 °C or ± 2% (reading range), take the maximum value	
Mode	Real time 10 movable points, 10 movable areas, 3 line temperature measurements (highest and lowest temperature capture, average temperature measurement), and support for irregular box drawing	
Emissivity correction	0.01 to 1.0 Radiance adjustable	
Temperature units	Degrees Celsius, Fahrenheit	
Temperature Correction	Distance temperature correction, linear temperature correction	
Raw image output	25Hz	

Alarm function

Alarm	High temperature alarm, low temperature alarm and other ways
Buzzer	Support alarm linkage buzzer
Alarm light	Support alarm linkage warning light
Input and Output	1 channel alarm output, 1 channel alarm input

Operation function

Image adjustment	Brightness, gain, DDE, filtering
Electronic zoom	1-16 times continuous electronic zoom
Correction function	Manual correction, automatic correction after power on; regular correction after normal operation
Flip / Mirror	Support

P.I.P	Support
Dual light fusion	Support
Visible light temperature overlay	Support
palette	14 kinds of pseudo-color codes
Storage function	Built-in storage, supporting 12G
Video recording	Support
Character display	Time, date, channel name and custom channel name

Network

Ethernet	RJ-45
Video Compression Formats	H.264
Protocols	TCP/IP,RTSP, NTP, HTTP, HTTPS, DHCP, FTP
Security	HTTPS(SSL) login authentication, categorized login authentication, IP address filtering, user access logging, 802.1X authentication methods
Image Access Protocols	ONVIF、GB28181、 RTSP
Temperature output	SDK output、 MODBUS RTU/TCP protocol output

Power system

External power supply	DC12V / POE	
Consumption	≤5W	≤5W

Access

Network Interface	RJ45 ; POE
Switching output	1
Switching input	1
Serial port	RS485

Environment

Operating temp.	-20°C~ +50°C
Storage temp.	-45°C~ +70°C
Protection class	IP66

Mechanical

Material	Aluminum housing
Dimension	L*W*H (mm) : 278*100*83
Weight	≤1.0Kg

* Ex IC nC op : explosion-proof certification whose version is IIC T4 Gc
NETD is equivalent to the values: ≤0.015°C@30°C
(VOC) volatile organic compounds

