

# DS-2TD6135-50B2L

Observable Thermal + Optical Bi-spectrum Network PTZ Camera













## **Smart Tracking**

- Panorama Tracking, Event Tracking, Multi-Scenario Patrol Tracking and so on;
- Thermal and Optical Bi-spectrum linked Smart Tracking.

# **Smart Detection**

Intrusion Detection, Line Crossing, Region Entrance
 Detection, Region Exiting Detection, Audio Exception
 Detection, Detection of High Temperature and so on.

## **Smart Record**

• ANR

## Smart Image Enhancement

• Low bitrate and SVC self-adaptive.

# **Smart Alarm**

The network disconnection, IP Address conflict, HDD Full,
 HDD error, Illegal login, Exception Detection and so on.

- High-performance 1/2.8"CMOS
- Visible Light: 1920 X 1080; Thermal: 384 X288
- Support Low illumination
- Support H.264 Video Compression
- 32X Optical Zoom and 16X Digital Zoom lens
- WDR and 3D DNR
- Up to 300 Presets
- Patrol Scan and Pattern Scan
- Up to 500m IR distance
- · Auto adjust IR Intensity and Angle
- IP66 Protection Level





# **Function**

# System

- Support 3D Positioning. Support clicking to track and clicking to zoom in via Client/IE;
- Support Micro SD/SDHC/SDXC Storage Card;
- Open-ended API. Support HIKVISION SDK, ONVIF (Open Network Video Interface Forum), CGI (Common Gateway Interface) and PSIA (Physical Security Interoperability Alliance);
- Support PAL and NTSC;
- Multi-language Menu and Operation Tip;
- Support Double Backup to protect the data.
- Function of Power-off Memory: Restore PTZ & Lens Status after rebooting;
- Lightning Protection, Surging Protection and Voltage Transient Protection;
- IP66 protection level (Outdoor);
- Support Scheduled Tasks of Preset/Aux Output/Multi-scan Mode;
- Park Function: Auto calling Preset/Pattern
   Scan/Patrol Scan after idle (including the idle after reboot);
- IEEE 802.1X Access Control and IP address Filtering;
- Support NAS and ANR, up to 8 NAS;
- Support the three-level user authentication management, the authenticated user and password and HTTPS Encryption;
- Two channels accessed by single IP address;
- Support H.264/MJPEG/MPEG4 (H.264: Baseline/Main/High Profile); support Configuration of Multi-level Video Quality; support Real-Time Output Resolution: HDTV 1080p (SMPTE274M standard), 960p and HDTV 720p (SMPTE296M standard).

# **Visible Light Module**

- High-Performance 1/2.8"CMOS, up to 1920X1080;
- Support 32X Optical Zoom (Lens: 8 250mm) and 16X Digital Zoom;
- Support Auto-Iris, Auto Focus, AWB, BLC, WDR and 3D DNR:
- Support Polygonal Private Mask for multiple regions,

- multiple colors and Mosaic;
- Support Defog, HLC, Electronic Image Stabilizer and Smart IR;
- ROI Enhancement Encoding.

#### **Thermal**

- Passive Infrared Thermal Technology;
- Resolution of 384 X 288: High Sensitivity Detector,
   Contrast Adjustment;
- Support Shutter Adjustment in various modes and Alternative AGC Mode;
- Support 3D DNR, 14 Pseudo Colors and Image Details Enhancement;
- Support Mirror Image;
- Support Local Video Output;
- Thermal Len (50mm Fixed Focus): Support 1X, 2X and 4X Digital Zoom.

## **External Interface**

- Support Network Signal Output and Analog Signal Output. Support PTZ speed control;
- Support up to 7-ch Alarm Input and 2-ch Alarm Output;
- Support 1-ch Audio Input and 1-ch Audio Output;
- Support Local Analog Output, 1.0V [p-p]/75Ω, PAL or NTSC, BNC;
- Support RS485, Half-Duplex. HIKVISION, PELCO-P and PELCO-D self-adaptive;
- Support Wiper in Visible Light Module. Adopt Automobile Windscreen Wiper.

# PTZ

- 360° endless pan range; +40° ~ -90° tilt range;
- 0.1°~ 110°/s Manual Pan Speed and 0.1°~ 50°/s Manual Tilt Speed;
- Support up to 300 presets.
- Support up to 8 Patrol Scans. up to 32 presets per patrol;
- Support up to 4 Pattern Scans, with the recording time no less than 10 minutes per pattern;
- Proportional zoom function and park action.



# Specifications

Image Sensor Vanadium Oxide Uncooled Focal Plane Detectors  Max. Resolution 384 x 288  Response Waveband From Sµm to 14 µm  NETD < 50mk(e)25°C;Fie1.0)  Reference Human: 1.8m x 0.5m Vehicle: 1.4m x 4.0m  Scoal Length (Lens) S0mm  MRAD 0.50  Detection Range (Vehicles) 3067  Detection Range (Vehicles) 3067  Detection Range (Vehicles) 3087  Recognition Range (Vehicles) 383  Identification Range (Human) 1000  Rescognition Range (Human) 125  Field Angle 11" x 8.2"  Flurinber 1.0  Function  Wovement Range Pan: 360" Continuous Rotate; Tilt: From +40" to -90"  Pan Speed Configurable, From 0.1"/s to 110"/s  Tilt Speed Configurable, From 0.1"/s to 50"/s  Proportional Zoom Support  Presets 300  Patrol Scan 8; Up to 32 Presets Per Patrol  Pattern Scan 4; More Than 10 Minutes Per Pattern  Power Off Memory Support  Pristatus Turn On/Turn Off  Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  Pristatus Turn On/Turn Off  Ribitance Up to 500m  Ri Intensity and Angle Auto Adjust  Max. Resolution Visible Light: 1904 x 210s; 150 x 25 yrs 125 yr	Model	DS-2TD6135-50B2L
Max. Respolution	Thermal Module	
Response Waveband	Image Sensor	Vanadium Oxide Uncooled Focal Plane Detectors
NETD	Max. Resolution	384 X 288
NETD	Response Waveband	From 8µm to 14 µm
Reference Human: 1.8m X 0.5m Vehicle: 1.4m X 4.0m  Focal Legith (Lens) 50mm  MRAD 0.50  Detection Range (Wehicles) 3067  Detection Range (Human) 1000  Recognition Range (Human) 250  Identification Range (Wehicles) 383  Identification Range (Wehicles) 383  Identification Range (Human) 125  For Recognition Range (Human) 250  Identification Range (Wehicles) 383  Identification Range (Human) 125  For Recognition Range (Human) 125  For Recognition Range (Wehicles) 383  Identification Range (Human) 125  For Recognition Range (Human) 125  For	NETD	< 50mk(@25°C,F#=1.0)
Detection Range (Vehicles)   3067	Reference	Human: 1.8m X 0.5m Vehicle: 1.4m X 4.0m
Detection Range (Vehicles) Detection Range (Human) Recognition Range (Human) 250 Identification Range (Vehicles) Recognition	Focal Length (Lens)	50mm
Detection Range (Human)  Recognition Range (Vehicles)  Recognition Range (Vehicles)  Recognition Range (Vehicles)  383  Identification Range (Human)  125  Field Angle  11° X 8.2°  F Number  1.0  Function  Wovement Range  Pan: 360° Continuous Rotate; Tilt: From +40° to -90°  Pan Speed  Configurable, From 0.1°/s to 110°/s  Tilt Speed  Configurable, From 0.1°/s to 50°/s  Proportional Zoom  Support  Presets  300  Patrol Scan  8; Up to 32 Presets Per Patrol  Pattern Scan  4; More Than 10 Minutes Per Pattern  Power Off Memory  Support  Park  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  Infrared  IR Distance  Up to 500m  IR Intensity and Angle  Auto Adjust  Main Stream  Visible Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720)  Visible Light: 60Hz:30fps(1920×1080), 30fps(1280×960), 30fps(1280×720)  Thermal: Soht:23fps(384 X288) of 60Hz:30fps(176×120)  Firemal: Soht:23fps(384 X288) of 60Hz:30fps(384 X288)  Video Compression  H. 264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression  G. 711u/G.711a/G.721./MPDL2/G726/AAC/PCM  IPVAI/PVS,HTTPHTTPS,802 1x, Qos,FTP,SMTP,UPP,SMDP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, Individual Scan/Profocols	MRAD	0.50
Recognition Range (Vehicles) Recognition Range (Vehicles) Recognition Range (Human) 250 Identification Range (Vehicles) 383 Identification Range (Human) 125 Fileid Angle 11* X 8.2* F Number 1.0 Function Movement Range Pan: 360* Continuous Rotate; Tilt: From +40* to -90* Pan Speed Configurable, From 0.1*/s to 110*/s Tilt Speed Configurable, From 0.1*/s to 50*/s Proportional Zoom Support Presets 300 Patrol Scan Patrol Scan 8; Up to 32 Presets Per Patrol Pattern Scan Patrern Scan 4; More Than 10 Minutes Per Pattern Power Off Memory Support Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust Network Max. Resolution Visible Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080), 30fps(1280×960), 30fps(1280×720) Thermal: 50Hz:25fps(1920×1080), 30fps(1280×960), 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288) Video Compression H.264 (Baseline/Main/High Profile) /MJPEC/MPEC4 Audio Compression G. 711u/G-711a/G.722.1/MPPL2/G726/AAC/PCM IPV4/JPV6-HTTPHTTPS,802.1x, Qos.FTPS,MTP,UPP,SNMP,DNS,DDNS,NTP,RTS,PRTCP,RTP,TCP,UDP, ISMP,Protocols	Detection Range (Vehicles)	3067
Recognition Range (Human)  1250  Identification Range (Vehicles)  383  Identification Range (Human)  125  Field Angle  11° X 8.2°  F Number  1.0  Function  Movement Range  Pan: 360° Continuous Rotate; Tilt: From +40° to -90°  Pan Speed  Configurable, From 0.1°/s to 110°/s  Tilt Speed  Configurable, From 0.1°/s to 50°/s  Proportional Zoom  Support  Presets  300  Patrol Scan  8; Up to 32 Presets Per Patrol  Pattern Scan  4; More Than 10 Minutes Per Pattern  Power Off Memory  Support  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  PT Status  Turn On/Turn Off  Scheduled Task  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Infrared  IR Distance  IR Distance  Up to 500m  IR Intensity and Angle  Auto Adjust  Mexwork  Max. Resolution  Visible Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) Visible Light: 50Hz:25fps(1920×1080), 30fps(1280×960), 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression  H.264 (Baseline/Main/High Profile) /MIPEG/MPEGA  Audio Compression  G.711u/G.7711a/G.722.1/MP212/G726/AAC/PCM  IPV4/PP6/HTTP/HTTPS/802.1x,Osp.FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, Protocols	Detection Range (Human)	1000
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Identification Range (Human)  Field Angle  11" X 8.2"  F Number  1.0  Function  Movement Range  Pan: 360" Continuous Rotate; Tilt: From +40" to -90"  Pan Speed  Configurable, From 0.1"/s to 110"/s  Tilt Speed  Configurable, From 0.1"/s to 50"/s  Proportional Zoom  Support  Presets  300  Pattern Scan  8; Up to 32 Presets Per Pattern  Pattern Scan  Pattern Scan  4; More Than 10 Minutes Per Pattern  Power Off Memory  Support  Park  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  PT Status  Turn On/Turn Off  Scheduled Task  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  Infrared  IR Distance  Up to 500m  IR Intensity and Angle  Auto Adjust  Main Stream  Visible Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720)  Visible Light: 50Hz:25fps(1920×1080), 30fps(1280×960), 30fps(1280×720)  Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression  H. 264 (Baseline/Main/High Profile) /MJPEG/MPEGA  Audio Compression  G. 711u/G.711a/G.722.1/MP212/G726/AAC/PCM  IPV4/PP6_HTTPHTTPS_802_1x_Qos_FFP_SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, Protocols	Recognition Range (Human)	250
Identification Range (Human)  125 Field Angle 11° X 8.2° F Number 1.0  Function  Wovement Range Pan: 360° Continuous Rotate; Tilt: From +40° to -90° Pan Speed Configurable, From 0.1°/s to 110°/s Tilt Speed Configurable, From 0.1°/s to 50°/s Proportional Zoom Support Presets 300 Pattor Scan 8; Up to 32 Presets Per Patrol Pattern Scan 4; More Than 10 Minutes Per Pattern Power Off Memory Support Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust Main Stream Visible Light: 50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) Visible Light: 50Hz:25fps(1920×1080), 30fps(1280×960), 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288) Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4 Audio Compression [Pv4/Py6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, Protocols [Pv4/Py6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, Protocols	Identification Range (Vehicles)	383
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Tilt Speed Configurable, From 0.1*/s to 50*/s Proportional Zoom Support Presets 300 Patrol Scan 8; Up to 32 Presets Per Patrol Pattern Scan 4; More Than 10 Minutes Per Pattern Power Off Memory Support Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust Network Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(13280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(34288) or 60Hz:30fps(3432×240) . 30fps(176×124) 60Hz:30fps(704×80) . 30fps(352×288) . 25fps(176×144) 60Hz:30fps(704×80) . 30fps(352×240) . 30fps(376×120) Thermal: 50Hz:25fps(3428) or 60Hz:30fps(3432×240) . 30fps(376×120) Thermal: 50Hz:25fps(3704×818) or 60Hz:30fps(343428) Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4 Audio Compression G.711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols IPy4/IPy6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Movement Range	Pan: 360° Continuous Rotate; Tilt: From +40° to -90°
Proportional Zoom Presets 300 Patrol Scan 8; Up to 32 Presets Per Patrol Pattern Scan 4; More Than 10 Minutes Per Pattern Power Off Memory Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust Network Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Visible Light: 50Hz:25fps(1920×1080). 25fps(1280×960). 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080). 30fps(1280×360). 30fps(1280×720) Thermal: 50Hz:25fps(34 X288) of 60Hz:30fps(184 X288)  Sub Stream 50Hz:25fps(704×576). 25fps(352×288). 25fps(176×144) 60Hz:30fps(704×480). 30fps(135×240). 30fps(176×120) Thermal: 50Hz:25fps(34 X288) of 60Hz:30fps(184 X288) Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4 Audio Compression  IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Pan Speed	Configurable, From 0.1°/s to 110°/s
Presets 300 Patrol Scan 8; Up to 32 Presets Per Patrol Pattern Scan 4; More Than 10 Minutes Per Pattern Power Off Memory Support Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output  Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust  Network  Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 50Hz:25fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Sub Stream 50Hz:25fps(704×576) . 25fps(352×288) . 25fps(176×144) 60Hz:30fps(704×80) . 30fps(352×288) . 35fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Tilt Speed	Configurable, From 0.1°/s to 50°/s
Patrol Scan  8; Up to 32 Presets Per Patrol  4; More Than 10 Minutes Per Pattern  Power Off Memory  Support  Park  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  PT Status  Turn On/Turn Off  Scheduled Task  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  PT Status  Up to 500m Reboot/Doom Adjust/Aux Output  Infrared  IR Distance  Up to 500m  IR Intensity and Angle  Network  Max. Resolution  Visible Light: 1920 X 1080; Thermal:384 X288  Visible Light: 60Hz;30fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720)  Visible Light: 60Hz;30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720)  Thermal: 50Hz;25fps(384 X288) or 60Hz;30fps(384 X288)  Sub Stream  50Hz;25fps(704×576) . 25fps(352×288) . 25fps(176×144)  60Hz;30fps(704×480) . 30fps(352×240) . 30fps(176×120)  Thermal: 50Hz;25fps(384 X288) or 60Hz;30fps(384 X288)  Video Compression  H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression  IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPOE,Bonjour	Proportional Zoom	Support
Pattern Scan 4; More Than 10 Minutes Per Pattern  Power Off Memory Support  Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan  PT Status Turn On/Turn Off  Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output  Infrared  IR Distance Up to 500m  IR Intensity and Angle Auto Adjust  Network  Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Main Stream Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Sub Stream 50Hz:25fps(3484 X288) or 60Hz:30fps(384 X288)  Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression G.711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Presets	300
Power Off Memory Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output  Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust  Network  Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Main Stream Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Sub Stream Sub: 25fps(704×86) . 30fps(352×248) . 25fps(176×144) 60Hz:30fps(704×88) . 30fps(352×240) . 30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression  IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPOE,Bonjour	Patrol Scan	8; Up to 32 Presets Per Patrol
Park Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan PT Status Turn On/Turn Off Scheduled Task Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output  Infrared IR Distance Up to 500m IR Intensity and Angle Auto Adjust  Network  Max. Resolution Visible Light: 1920 X 1080; Thermal:384 X288  Main Stream Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Sub Stream 50Hz:25fps(704×576) . 25fps(352×288) . 25fps(176×144) 60Hz:30fps(704×80) . 30fps(1352×240) . 30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression G.711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Pattern Scan	4; More Than 10 Minutes Per Pattern
PT Status  Turn On/Turn Off  Scheduled Task  Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output  Infrared  IR Distance  Up to 500m  IR Intensity and Angle  Auto Adjust  Network  Max. Resolution  Visible Light: 1920 X 1080; Thermal:384 X288  Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Sub Stream  50Hz:25fps(704×576) . 25fps(352×288) . 25fps(176×144) 60Hz:30fps(704×480) . 30fps(352×240) . 30fps(3176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression  H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols  Protocols	Power Off Memory	Support
Preset/Pattern   Scan/Patrol   Scan/Auto   Scan/Random   Scan/Frame   Scan/Panorama   Scan/Doom   Reboot/Doom   Adjust/Aux   Output	Park	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan
Scan/Doom Reboot/Doom Adjust/Aux Output	PT Status	Turn On/Turn Off
IR Distance	Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Doom Reboot/Doom Adjust/Aux Output
Network           Max. Resolution         Visible Light: 1920 X 1080; Thermal:384 X288           Main Stream         Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Sub Stream         50Hz:25fps(704×576) . 25fps(352×288) . 25fps(176×144) 60Hz:30fps(704×480) . 30fps(352×240) . 30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Video Compression         H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4           Audio Compression         G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM           Protocols         IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Infrared	
Network           Max. Resolution         Visible Light: 1920 X 1080; Thermal:384 X288           Main Stream         Visible Light: 50Hz:25fps(1920×1080)、25fps(1280×960)、30fps(1280×720)           Visible Light: 60Hz:30fps(1920x1080)、30fps(1280×960)、30fps(1280×720)           Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Sub Stream         50Hz:25fps(704×576)、25fps(352×288)、25fps(176×144)           60Hz:30fps(704×480)、30fps(352×240)、30fps(176×120)           Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Video Compression         H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4           Audio Compression         G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM           Protocols         IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP, PPPoE,Bonjour	IR Distance	Up to 500m
Max. Resolution         Visible Light: 1920 X 1080; Thermal:384 X288           Main Stream         Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 30fps(1280×720) Visible Light: 60Hz:30fps(1920×1080) . 30fps(1280×960) . 30fps(1280×720) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Sub Stream         50Hz:25fps(704×576) . 25fps(352×288) . 25fps(176×144) 60Hz:30fps(704×480) . 30fps(352×240) . 30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Video Compression         H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4           Audio Compression         G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM           Protocols         IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	IR Intensity and Angle	Auto Adjust
Main Stream         Visible Light: 50Hz:25fps(1920×1080) . 25fps(1280×960) . 25fps(1280×720) . 30fps(1280×960) . 30fps(1280×720) . 30fps(1280×	Network	
Main Stream         Visible Light: 60Hz:30fps(1920×1080)、 30fps(1280×960)、 30fps(1280×720)           Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Sub Stream         50Hz:25fps(704×576)、 25fps(352×288)、 25fps(176×144) 60Hz:30fps(704×480)、 30fps(352×240)、 30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)           Video Compression         H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4           Audio Compression         G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM           Protocols         IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Max. Resolution	Visible Light: 1920 X 1080; Thermal:384 X288
Sub Stream 60Hz:30fps(704×480)、30fps(352×240)、30fps(176×120) Thermal: 50Hz:25fps(384 X288) or 60Hz:30fps(384 X288)  Video Compression H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4  Audio Compression G.711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP, IGMP,ICMP,DHCP, PPPoE,Bonjour	Main Stream	Visible Light: 60Hz:30fps(1920×1080)、30fps(1280×960)、30fps(1280×720)
Audio Compression  G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM  Protocols  IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP, PPPoE,Bonjour	Sub Stream	60Hz:30fps(704×480)、30fps(352×240)、30fps(176×120)
Protocols IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTP,TCP,UDP,IGMP,ICMP,DHCP, PPPoE,Bonjour	Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/MPEG4
IGMP,ICMP,DHCP, PPPoE,Bonjour	Audio Compression	G .711u/G.711a/G.722.1/MP2L2/G726/AAC/PCM
	Protocols	
Simultaneous Live View Up to 20-ch	Simultaneous Live View	Up to 20-ch



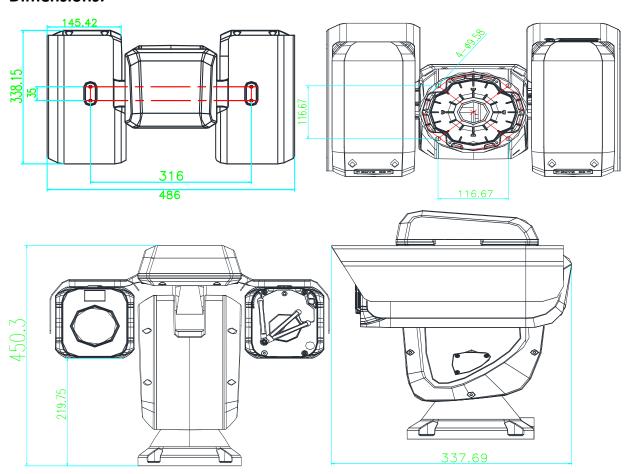
User Authentication	Up to 32 users; Three Levels: Administrator, Operator and User
General Function	Authenticated User Name and Password; Bond MAC Address; HTTPS Encryption; IEEE 802.1X Access Control; IP Address Filtering
Integration	
Alarm Input	Up to 7-ch Relay Input (0-5vDC)
Alarm Output	Up to 2-ch; Support Alarm Linkage
Alarm Action	Preset/Patrol Scan/Pattern Scan/SD Card Record/Relay Output
Audio Input	LINE_IN Input/MIC Input; Peak: From 2 to 2.4V[p-p]; Output Impedance: 1KΩ±10%
Audio Output	Linear Level; Impedance: $600\Omega$
Communication Interface	Built-in RJ45; 10M/100M Ethernet Interface
Onboard Storage	Built-in Micro SD/SDHC/SDXC Card Slot, Up to 64GB; Support Manual/Alarm Recording
Analog Video Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC
RS485	Half-Duplex; HIKVISION, PELCO-P and PELCO-D Self-adaptive
API	Open-ended; Support ONVIF,PSIA and CGI; Support HIKVISION SDK and Third-Party Management Platform
Client	iVMS-4200
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+; Multiple Languages
General	
Menu	English
Power	AC24V, 120W
Work Temperature/Humidity	From -40°C to 60°C; Humidity: 90% or Less
Protection Level	IP66 Standard; TVS 6000V Lightning Protection, Surge Protection and Voltage Transient Protection



# **Order Model:**

DS-2TD6135-50B2L

# **Dimensions:**



Distributed by Unit: mm

#### Headquarters

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