## SPECIFICATION:

Camera Module						
Image sensor	1/2.7" progressive scan CMOS	with BSI and NIR+ technology	ý			
Mini. Illumination	Color: 0.01 Lux @ (F1.6, AGC ON); B/W: 0.002Lux @(F1.6, AGC ON);0Lux with IR					
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client					
Shutter Speed	50Hz: 1/25s~1/25,000s, 60Hz: 1/30s~1/30,000s					
White Balance	Auto/Manual/Indoor/Outdoor					
Gain	Auto/Manual					
Day & Night	Auto/Manual					
Aperture control	N/A					
S/N Ratio	≥52dB					
3D DNR	Auto/Manual					
AE Enhancement	BLC, HLC, WDR					
Privacy Mask	4 Programmable privacy masks, up to 8 per request					
Picture overlay	Logo picture could be overlaid on video with 128x128pixels,24bits BMP format					
Font overlay	Max 15characters per line, 8lines max, white color or red color					
Lens	That I Delianates per line, office final, while color of tea color					
Focus length	f=2.8-12mm lens,4x optical					
Zoom Speed						
Field of View	About 1.6second(Wide->tele)  Horizontal: 97° to 31°±5%-Vertical: 51° to 18°±5%-Diagonal: 115° to 36°±5% (wide-tele)					
Working distance	Horizontal: 97° to 31°±5%; Vertical: 51° to 18°±5%; Diagonal: 115° to 36°±5% (wide-tele)  wide: 0.3m ~ INF; tele: 0.5m ~ INF					
Aperture Range  IRCut filter	F1.6~ F2.7 (wide-tele)  Electrical switchable ICR					
IKCut IIItei		Data at (25 acr /ca)	Ob(62/)	P (125/)	I.Jtif-(250/)	
DODI 4-kl-	Lens	Detect(25px/m)	Observe(63px/m)	Recognize(125px/m)	Identify(250px/m)	
DORI table	2.8mm	68m(223 f.t)	27.1m(88.9 f.t)	13.6m(44.6 f.t)	6.8m(22.3 f.t)	
PTZ	12mm	206.7m(678.1 f.t)	82m(269 f.t)	41.3m (135.5 f.t)	20.7m(68f.t)	
Pan Range	0~355°					
Pan speed						
Tilt Range	Configurable, from 0.1~80°/s; Preset speed: 80°/s					
Tilt Speed	From -5° to 90°  Configurable from 0.1° 60°/s Procet speed: 60°/s					
Pan/Tilt action	Configurable, from 0.1°~60°/s, Preset speed: 60°/s					
intervals	At least 10seconds, adjustable					
Proportional Zoom	Von					
Preset	Yes					
Cruise	8 cruises, up to 16 presets for each cruises					
Payer off moment	4 traces, record time over 3 minutes for each trace					
Power off memory  Action mode	Support  Procet/Cruins/Trees/Auto Seen/Pandom Seen					
3D Positioning	Preset/Cruise/Trace/Auto Scan/Random Scan Support					
	Support					
PTZ Position Display	Support  Preset/Cruise/Trace/Random Scan/Boundary Scanning /Dome reboot					
Schedule Task	Preset/Cruise/Trace/Random S	can/Boundary Scanning /Dome	reboot			
Supplement Light	Hart Co. A. CD. A. C. CD. A. C.					
IR Distance	Up to 50m,4pcs of IR Array into 2 Groups, auto switch with zoom ratio  Yes					
Smart IR White light Distance	Up to 30m, 2pcs of White LED Array					
White light Distance						
	White light Mode Flash mode(2x brightness), time interval adjustable; torque mode per request					
Network						
Max Resolution	2560×1440	1020-1000 1200 000 1200	7200-206 - (2500-1440-2015	1526 1020:: 1000 1200 060 1200 72	0)	
Main stream				1536, 1920× 1080, 1280× 960, 1280× 720	u)	
Sub stream	25fps (704 × 576, 640 × 480, 3			400 000 040		
Third Stream	25tps (1280 × 720, 704 × 576,	25fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288) ; 30fps (1280 × 720, 704 × 480, 640 × 480, 352 × 240)				

Nation Compression  It 264 Encoder  It 265 Enc						
H265 Encoder         H265 HPCC codec MP, level 5 0           Video brinne         64Kpps           Audio Composition         64Kpps           Protected         64Kpps           Protected         64Kpp           Protected         64Kpp           Protected         Up 10 for users, 3 levels: Administration, CMAC addressor, HTTPS precyption, BLESD2, 1x part-based network access centred, IP address (filtering)           Security Measures         Suspend thuman face of detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)           Piece recognize         Support human face of detection, max 15 human faces per seem: Support face capture, tracking, comparison, edgs storage           Sount Tracking         Support human face of detection, max 15 human faces per seem: Support face capture, tracking, comparison, edgs storage           Sount Tracking         Support human face of detection, max 15 human faces per seem: Support face capture, tracking, comparison, edgs storage           Sount Tracking         Smart Tracking         Smart Tracking           Smart Tracking         Smart Tracking         Smart Tracking         Smart Tracking           Smart Tracking         Smart Tracking         Smart Tracking         Smart Tracking           Smart Tracking         Smart Tracking         Smart Tracking         Smart Tracking           Smart Tracking         In A st	Video compression	Smart H.265+/H.265/H.264+/H.264/MJPEG				
Natio Compression Author Compression G711 AUI Author State GRBps Protocols HTTP, HTTPS, IP-44P-6, 802 Is, QoS, FTP, SMTP, UPaP, SNMP,DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, (SMP, ICMP,DHCP, PPPuli Uber 14601 Up 16 tours. 2 levels: Administrator, Advanced User and Normal User Security Messures User authority and detection, video tampering alarm, exception (MAC address); HTTPS encryption, IEF18802. Ix port-based network access control; IP address filtering Smart Features Ribase event Montion detection, video tampering alarm, exception (notwork disconnected, IP address official, SD full, SD error) Face recognize Support Imanam face detection, max 15 human fixes per acene. Support face capture, tracking, comparison, edge storage Road traffic Vehicle detecting and tracking, etc. Smart Detection Trapsine, Bedienctional tripsine, IBed intrasion detection, Region entrance detection, Region entrance detection, etc. More VCA per request Smart Tracking Smart Tracking Smart tracking Fash strong white light and prodefined voice upon invaders detected. Support 10 more different predefined voice clips Support Institute visions' host data-boxy talk Support Institute visions' host data-boxy t	H.264 Encoder	H.264/AVC codec BP/MP/HP, level 5.1				
Audio Traine User Photo Up to 16 users, 3 levels: Administrator, Advanced User and Normal User Security Measures User administrator, Advanced User and Normal User Security Measures  User administrator, Advanced User and Normal User Security Measures  Superior Monta (Superior Desire) Basic event Audio description Audio Adaptive Etherita (Traine, Valora) Audio Adaptive Audio Adaptive ether Audio Adaptive Audi	H.265 Encoder	H.265/HEVC codec MP, level 5.0				
Audio bit nate  64Kbps  Protected  HTTP, HTTPS, 19-43P-6, 802 1x, Ose, FTP, SMTP, UPPP, SMMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, RGMP, ICMP, DHCP, PPPOE  HTTP HTTPS SEVER's Administrator, Advanced User and Normal User  Security Measures  User authentication (ID and PW), Host authentication (MAC address), HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering  Basic event  Motion detection, video tumpering aliarm, exception (network disconnected, IP address conflict, SD Jull, SD error)  Face recognize  Support human face detection, max 15 human faces per seens. Support face capture, tracking, comparison, edge storage  Road traffic  Vehicle detecting and tracking, ecc.  Tripvire, Bertericoul tripvire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.  Smart Tracking  Smart tracking of human or vehicle, auto minutal  Active Deterrence  Plasts brong white light and predefined vice upon meaders detected. Support 10 more different predefined vice clips  Dail value filts  System Integration  Fix1 Addre Interface  40, 25 WMR Entotion with camera lens direction, up to 8m distance wide recordable.  Aller and interface  40, 25 WMR Entotion with camera lens direction, up to 8m distance wide recordable.  Aller interface  Aller interface  Aller interface  1 R184 5100 I/OM Adaptive Ethemet (Support PoE+)  Sorage Slot  Sundation ext. memory card chamber, support microSD/TF card, up to 256GB  Serral interface  Aller interface  NA(RS-88/32)  Aller interface  Alle	Video bit rate	64Kbps ~ 16Mbps				
Protocols   HTTP, HTTPS, IPs4IPv6, 802.1s, Qv8, FTP, SMTP, UPsP, SMMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, ROMP, ICMP, DICP, PP061	Audio Compression	G.711 A/U				
Security Measures   Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)   Support human face detection, max 15 human faces per seene. Support face capture, tracking, comparison, edge storage   Sequity of the detection and tracking, etc.   Smart Detection   Tripwire, Bl-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.   Smart Tracking   Smart tracking of human or vehicle, autotransmal   Active Deterrence   Flash storage white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips   Support troused visions. Float dual—way talk.   Support float dual—way	Audio bit rate	64Kbps				
Sear Festures  Smart Festures  Basic event  Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)  Face recognize  Support human face detection, rate 15 human faces per scene. Support face capture, tracking, comparison, edge storage  Road traffic  Vehicle detecting and tracking, etc.  Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region extrained detection, etc. More VCA per request.  Smart Tracking  Smart tracking of human or vehicle, auto-manual  Active Deterrence  Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips  Support nutrated visitors / host dual-way talk  System Integration  Ext. Audio Interface  1ch audio input(mic in) 2.0-2.4Vp.p. 1kDz 10%; 1-ch audio output(fine out), line level, impendance 600 Q.  Bull-in MIC  2. SWart Roadinon with camera less direction, up to 30m distance audible  Bull-in MIC  3. Jehannel, rotation with camera less direction, up to 8m distance voice recordable.  Audio device switch  3. Jehannel, rotation with camera less direction, up to 8m distance voice recordable.  Autin infeface  1. CH alarm imput(Dry contact). 1CH alarm output  4. Arm Linkage  Alarm actions, such as Pester, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Network Interface  1. RMS 100/1000 Adaptive Ethernet (Support PGE+)  Storage Slot  Sandalone ext. memory and chamber; support microSDTF eard, up to 256GB  Audio Alarm serions, such as Pester, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Now (RMS 1047) 1000 Adaptive Ethernet (Support PGE+)  Storage Slot  Sandalone ext. memory and chamber; support microSDTF eard, up to 256GB  Audio device existed  Now (RMS 1047) 1000 Adaptive Ethernet (Support PGE+)  Storage Slot  Surveil Interpretature sensor, auto shut down at over-	Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE				
Smart Features Basic event Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error) Face recognize Support human face detection, max 15 human faces per scene. Support face capture, tracking, comparison, edge storage Road traffic Vehicle detecting and tracking, etc. Smart Tocking Smart Tracking Smart tracking of human or vehicle, autorimanual Active Deterrores Flash storage white light and procedified voice upon invaders detected. Support 10 more different prodefined voice clips Dual way talk Support trusted visitors / host dual-way talk System Integration Ext. Audio Interface 1-cl-a audio input(mic in),2.0-2.4Vp-p.1k3+10%;1-ch audio output(line out),line level,impendance;600 Ω; Bull-in speaker 442, 2.5Wart. Roation with camera lens direction, up to 30m distance audible Bull-in MIC 1-channel, rotation with camera lens direction, up to 8m distance voice recordable. Audio device witch Default use bull-in speaker and MIC, manually switch to external Alarm interface 1-Challarim input(Dry contact); ICH alarm output 1-cl-a. Alarm interface 1-Ralarim input(Dry contact); ICH alarm output 2-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-cl-c. Network Interface 1-Ralarim input(Dry contact); ICH alarm output 4-Ralarim interface Network Interface 1-Ralarim input(Dry contact); ICH alarm output 3-Ralarim input(Dry contact); ICH alarm output 4-Ralarim interface Network Interface 1-Ralarim input(Dry contact); ICH alarm output 4-Ralarim input(Dry contact); ICH alarm output 4-Ralarim interface Network Interface 1-Ralarim input(Dry contact); ICH alarm output 4-Ralarim input(Dry contact); ICH	User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User				
Basic event Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)  Fisce recognize Sopport human face detection, max 15 human faces per scene. Support face capture, tracking, comparison, edge storage  Road traffic Vohicle detection and tracking, etc.  Tripwire, Bi-directional trapwire, Illegal intrusion detection, Region entrance detection, Region exting detection, etc. More VCA per request.  Smart Tracking Smart tracking of human or vehicle, auto/manual  Active Deterrence Flash strong while light and predefined voice upon invaders detected. Support 10 more different predefined voice clips  Bull-to alway talk Support trusted visitors / host dual-way talk  System Integration  Ext. Audio Interface I-th audio input(mic in), 2.0-2.4Vp-p.13Ω±10%;1-th audio output(fline out),line level,impendance:600 Ω;  Bull-tin speaker 40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Bull-tin speaker 40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 30m distance audible  I-thumer, totation with camera lens direction, up to 8m distance audible  I-thumer, totation with camera lens direction, up to 8m distance audible  I-thumer, totation with camera lens direction, up to 8m distance audible  I-thumer,	Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering				
Face recognize  Support human face detection, max 15 human faces per scene. Support face capture, tracking, comparison, edge storage  Road traffic  Vehicle detection and tracking, etc.  Smart Tracking  Smart Tracking  Smart Tracking for human or vehicle, auto/manual  Active Deterrence  Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips  Dual way talk  Support trusted visitors / host dual-way talk  System Integration  Ext. Audio Interface  1-ch audio inputtinic in), 2.0-2 4Vp-p.1kΩ=10%;1-ch audio output[line out], line level, impendance 600 Ω;  Built-in speaker  40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in speaker  40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in speaker  40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Alarm interface  1 CH alarm input(Dry contact). ICH alarm output  Alarm interface  1 RM=1 (MoV100M Adaptive Ethernet (Support PoE+)  Storage Slot  Simulation ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  N/A (RS485/232)  Serial interface  N/A (RS485/232)  N/A (RS485	Smart Features					
Road traffic Vehicle detecting and tracking, etc. Smart Detection Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.  Smart Tracking Smart tracking of human or vehicle, auto'manual Active Deterrence Flash storng white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips  Support Instead visitors / host dual-way talk Support Instead visitors / host dual-way talk System Integration  Ext. Audio Interface 1-ch audio input(mic in); 0.2-4Vp-p, IAD±10%; 1-ch audio output(line out), line level, impendance 600 Ω; Bull-in MC I channel, rotation with camera lens direction, up to 30m distance audible Bull-in MC I channel, rotation with camera lens direction, up to 30m distance audible Bull-in MC I channel, rotation with camera lens direction, up to 30m distance audible  Audio device switch I channel, rotation with camera lens direction, up to 30m distance audible  Alarm interface I CH alarm input(Dy: contacty). ICH alarm output  Alarm Linkage Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Emil, etc.  Network Interface I RJ45 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Strail interface N/A (RS485/232)  Auxiliary video out N/A (RS485/232)  Auxiliary vide	Basic event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, SD full, SD error)				
Smart Detection         Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.           Smart Tracking         Smart tracking of human or vehicle, auto/manual           Active Deterrence         Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips           Dail ways talk         Support trusted visitors / host dual-way talk           System Integration         I-ch audio input(mic in), 2.0-2.4/y-p., 142-10%; 1-ch audio output(line out), line level, impendance 600 Ω;           Built-in MC         40, 2.5Wart. Rotation with camera lens direction, up to 30m distance audible           Built-in MC         1 channel, totation with camera lens direction, up to 8m distance audible           Audio device switch         Default use built-in speaker and MIC, manually switch to external           Alarm interface         ICH alarm input(Dry contacty); ICH alarm output           Alarm Linkage         1 Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.           Network Interface         1 KJ45 10M/100M Adaptive Ethernet (Support PoE+)           Storage Slot         Standalone ext. memory card chamber, support microSD/TF earl, up to 256GB           Serial interface         N/4 (RS485/232)           Water removal         N/4 (RS485/232)           Must remova	Face recognize	Support human face detection, max 15 human faces per scene. Support face capture, tracking, comparison, edge storage				
Smart Detection         Tripwire, Bi-directional tripwire, Illegal intrusion detection, Region entrance detection, Region exiting detection, etc. More VCA per request.           Smart Tracking         Smart tracking of human or vehicle, autoinamual           Active Deterrence         Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips           Data way talk         Support trusted visitors / host dual-way talk           System Integration         Left. Audio insput(mic in), 2.0-2.4Vp-p, 14C2-10%; 1-ch audio output(line out), line level, impendance 600 Ω;           Built-in packer         40, 2.5Wart. Rotation with camera lens direction, up to 30m distance audible           Built-in MC         1 channel, rotation with camera lens direction, up to 8m distance voice recordable.           Audio device switch         0 Echalt use built-in speaker and MIC, manually switch to external control of the audio insput (mic and packed and MIC, manually switch to external control of the audion input (mic and packed and MIC, manually switch to external control of the audion input (mic and packed and MIC, manually switch to external control of the audion input (mic and microscopic and microscopic activation).           Alarm interface         1 CH alarm input (Dry contact); 1 CH alarm output           Alarm interface         1 RJ45 10M/100M Adaptive Ethernet (Support PoE+)           Storage Slot         Sandalone ext. memory card chamber, support microSD/TF card, up to 256GB           Serial interface         N/A (RS485/232)	Road traffic	Vehicle detecting and tracking, etc.				
Smart Tracking Smart tracking of human or vehicle, auto/manual Active Deterrence Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice clips  System Integration Ext. Audio Interface Jesh audio input(mic in), 2.0-2.4 Vp-p, 1kΩ±10%, 1-ch audio output(line out), line level, impendance 600 Ω;  Built-in speaker 40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in speaker Jesh audio input(mic in), 2.0-2.4 Vp-p, 1kΩ±10%, 1-ch audio output(line out), line level, impendance 600 Ω;  Built-in speaker 40, 2.5 Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in MIC Ichannel, rotation with camera lens direction, up to 8m distance voice recordable.  Audio device switch Default use built-in speaker and MIC, manually switch to external  Alarm interface Ichannel production output  Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Network Interface In \$1435 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slott Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface N/A (88485/232)  Auxiliary video out N/A (88485/232)  Auxiliary video out N/A (8NGC/CVBS/TVI)  Reset button Yes  Best button Ves  Heat and Fan Bull-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal Dust and Water-resistant coating for lens cover  API ONVIF, support TVT SDK and third-party management platform  Client TVT N900 1.4.5, TVT NYMS 2.0; and the third-party client, free iOS and Android App  Web Browser Behalt. So. 1. Update to 5.1.1 per request  General  Eagingues  Czech, English, German, Hungarian; Italian; Japanese; Korean; Portuguese, Polish, Russian, Romanian, Spanish; Spanish(Mexico), Simplified Chinese; Turkish; Traditional Chinese etc.  Power DC12×20%, 3000mA, PoE+ (802.3 an), AVG. 4.5Watt, Max 16.2Watt at day; 20.2W	Smart Detection					
Active Deterrence Flash strong white light and predefined voice upon invaders detected. Support 10 more different predefined voice elips  System Integration  Ext. Audio Interface Fat. Audio Interface Fat. Audio Interface  1-ch audio input(mic in) 2.0-2.4Vp-p.1kΩ±10%;1-ch audio output(line out),line level,impendance:600 Ω;  Built-in speaker 4Ω, 2.5Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in MIC  1channel, rotation with camera lens direction, up to 8m distance voice recordable.  Audio device switch  2ct.						
Dual way talk  System Integration  Ext. Audio Interface  I-ch audio input(mic in), 2.0-2.4Vp-p.1kΩ±10%;1-ch audio output(line out),line level,impendance:600 Ω:  Built-in speaker  4Ω, 2.5Wart. Rotation with camera lens direction, up to 30m distance audible  Built-in MIC  Ichamed, rotation with camera lens direction, up to 30m distance audible  Built-in MIC  Ichamed, rotation with camera lens direction, up to 8m distance voice recordable.  Audio device switch  Default use built-in speaker and MIC, manually switch to external  Alarm interface  ICH alarm input(Dry contact); ICH alarm output  Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  etc.  Network Interface  I RJ45 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot  Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  N/A (RS485/232)  Auxiliary video out  N/A (RS485/232)  Auxiliary video out  N/A (RS485/232)  Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal  Dust and Water-resistant coating for lens cover  API  ONVIF, support TVT SDK and third-party management platform  Client  TVT N9000 1-X, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser  IE8-11  App version  Default-5.01. Update to 5.1.1 per request  Ceneral  Czech; English, German; Hungarian; Italian; Japanese; Korcan; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese, etc.  Power  OC225/2508, 300ma, Apol-€ (802.3 a), AVG. 4.5 Wait, Max 16.2 Watt at day; 20.2 Watt at night (LED on, Speaker on + PT Rotation)  Werking condition  40°C - 70°C (-40°F ~ 158°F) IR off, -40°C - 60°C IR on; Cold start-2-5°C (Hour waiting), ≤90%RH						
System Integration  Ext. Audio Interface  1-ch audio input(mic in), 2.0-2.4Vp-p.1kΩ±10%;1-ch audio output(line out),line level,impendance:600 Ω;  Built-in speaker  4Ω, 2.5Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in MIC  1-ch annel, rotation with camera lens direction, up to 8m distance voice recordable.  Audio device switch  Default use built-in speaker and MIC, manually switch to external  Alarm interface  1 CH alarm input(Dry contact): 1 CH alarm output  Alarm Linkage  Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Network Interface  1 R145 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot  Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  NA (R5485/232)  Auxiliary video out  N/A(BNC/CVBS/TVI)  Reset button  Yes  Heat and Fan  Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal  Dust and Water-resistant coating for lens cover  API  ONVIF, support TVT SDK and third-party management platform  Client  TVT N9000 1.45, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser  IE8-11  App version  Default; S. 0.1. Update to 5.1.1 per request  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico), Simplified Chinese; Turkish; Traditional Chinese, etc.  Power  DC12v420%,300m/A,PoE+(802.3 at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start-≥ 25°C(1Hour waiting), 590%RH						
Ext. Audio Interface  I-ch audio input(mic in), 2.0-2.4Vp-p, IλΩ±10%,1-ch audio output(line out),line level,impendance:600 Ω;  Built-in speaker  4Ω, 2.5Watt. Rotation with camera lens direction, up to 30m distance audible  Built-in MIC  Ichannel, rotation with camera lens direction, up to 80m distance voice recordable.  Audio device switch  Default use built-in speaker and MIC, manually switch to external  ICH alarm input(Dry contact); ICH alarm output  Alarm Linkage  ICH alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, elc.  Network Interface  I R.H5 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot  Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  N/A (RS485/232)  Auxiliary video out  N/ABNC/CVBS/TVI)  Reset button  Yes  Heat and Fan  Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal  Dust and Water-resistant coating for lens cover  API  ONVIF, support TVT SDK and third-party management platform  Client  TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser  IE8-11  App version  Default:5.0.1. Update to 5.1.1 per request  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power  DC12V±20%,300mA,PoE+ (802.3 at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2 Watt at night (LED on, Speaker on + PT Rotation)  Working condition  40°C ~ 70°C (-40°F ~ 158°F) IR off; ~40°C ~ 60°C IR on; Cold start⊵ - 25°C(Hour waiting), 590%RH		ospport assiste rations, not than my min				
Built-in speaker         4Q, 2.5Watt. Rotation with camera lens direction, up to 30m distance audible           Built-in MIC         1 channel, rotation with camera lens direction, up to 8m distance voice recordable.           Audio device switch         Default use built-in speaker and MIC, manually switch to external           Alarm interface         1 CH alarm input(Dry contact); 1 CH alarm output           Alarm Linkage         Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.           Network Interface         1 R45 10M/100M Adaptive Ethernet (Support PoE+)           Storage Slot         Standalone ext. memory card chamber, support microSD/TF card, up to 256GB           Serial interface         N/A (R8485/232)           Auxiliary video out         N/A (R8485/232)           Musting video out         N/A (R8485/232)           Built-in memperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.           Water removal         Built-in memperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.           Water removal         Dvst and Water-resistant coating for lens cover           API         ONVIF, support TVT SDK and third-party management platform           Client         TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App           Web Browser		1-ch audio input(mic in) 2 0-2 4Vn-n 1kO+10% 1-ch audio output(line out) line level impendance 600 O				
Built-in MIC         Ichannel, rotation with camera lens direction, up to 8m distance voice recordable.           Audio device switch         Default use built-in speaker and MIC, manually switch to external           Alarm interface         ICH alarm input(Dry contact); ICH alarm output           Alarm Linkage         Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, actions, actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card Send Email, actions, actio						
Audio device switch         Default use built-in speaker and MIC, manually switch to external           Alarm interface         1CH alarm input(Dry contact); 1CH alarm output           Alarm Linkage         Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.           Network Interface         1 RJ45 10M/100M Adaptive Ethernet (Support PoE+)           Storage Slot         Standalone ext. memory card chamber, support microSD/TF card, up to 256GB           Serial interface         N/A (RS485/232)           Auxiliary video out         N/ACBNC/CVBS/TVI)           Reset button         Yes           Heat and Fan         Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.           Water removal         Dust and Water-resistant coating for lens cover           API         ONVIF, support TVT SDK and third-party management platform           Client         TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App           Web Browser         IE8-11           App version         Defaults.0.1. Update to 5.1.1 per request           General         Czech; English, German, Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese, etc.           Power         DC12V±20%,3000mA,PoE+ (802.3 at), AVG.		i a constant a constan				
Alarm interface  ICH alarm input(Dry contact); ICH alarm output  Alarm Linkage  Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Network Interface  I RJ45 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot  Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  N/A (RS485/232)  Auxiliary video out  N/A[BNC/CVBS/TVI)  Reset button  Yes  Heat and Fan  Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal  Dust and Water-resistant coating for lens cover  API  ONVIF, support TVT SDK and third-party management platform  Client  TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser  IE8-11  App version  Default:5.0.1. Update to 5.1.1 per request  General  Languages  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power  DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥ -25°C(1Hour waiting), ≤90%6RH  Storage condition		1				
Alarm Linkage Alarm actions, such as Preset, Cruise, Trace, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email, etc.  Network Interface 1 RJ45 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface N/A (RS485/232)  Auxiliary video out N/A(BNC/CVBS/TVI)  Reset button Yes Heat and Fan Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal Dust and Water-resistant coating for lens cover  API ONVIF, support TVT SDK and third-party management platform Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11 App version Default:5.0.1. Update to 5.1.1 per request  General  Languages Czech, English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish, Spanish(Mexico), Simplified Chinese; Turkish; Traditional Chinese, etc.  Power DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥ -25°C (Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C ; ≤ 95% RH						
Alarm Linkage etc.  Network Interface  1 RJ45 10M/100M Adaptive Ethernet (Support PoE+)  Storage Slot  Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface  N/A (RS485/232)  Auxiliary video out  N/A(BNC/CVBS/TVI)  Reset button  Yes  Heat and Fan  Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal  Dust and Water-resistant coating for lens cover  API  ONVIF, support TVT SDK and third-party management platform  Client  TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser  IE8-11  App version  Default:5.0.1. Update to 5.1.1 per request  General  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power  DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition  40°C ~ 70°C; ≤ 95% RH	Alami interface					
Storage Slot Standalone ext. memory card chamber, support microSD/TF card, up to 256GB  Serial interface N/A (RS485/232)  Auxiliary video out N/A(BNC/CVBS/TVI)  Reset button Yes  Heat and Fan Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal Dust and Water-resistant coating for lens cover  API ONVIF, support TVT SDK and third-party management platform  Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11  App version Default: 5.0.1. Update to 5.1.1 per request  General  Languages Czech; English, German; Hungarian ; Italian ; Japanese ; Korean ; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power DC12V±20%,3000mA,PoE+ (802.3 at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition -40°C ~70°C (-40°F ~158°F) IR off, -40°C ~60°C IR on; Cold start≥ -25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~70°C; ≤ 95% RH	Alarm Linkage					
Serial interface       N/A (RS485/232)         Auxiliary video out       N/A(BNC/CVBS/TVI)         Reset button       Yes         Heat and Fan       Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.         Water removal       Dust and Water-resistant coating for lens cover         API       ONVIF, support TVT SDK and third-party management platform         Client       TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App         Web Browser       IE8-11         App version       Default:5.0.1. Update to 5.1.1 per request         General         Languages       Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico),Simplified Chinese; Turkish; Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH         Storage condition       40°C ~ 70°C; ≤ 95% RH	Network Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE+ )				
Auxiliary video out       N/A(BNC/CVBS/TVI)         Reset button       Yes         Heat and Fan       Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.         Water removal       Dust and Water-resistant coating for lens cover         API       ONVIF, support TVT SDK and third-party management platform         Client       TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App         Web Browser       IE8-11         App version       Default:5.0.1. Update to 5.1.1 per request         General         Languages       Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(IHour waiting), ≤90%RH         Storage condition       -40°C ~ 70°C; ≤ 95% RH	Storage Slot					
Reset button       Yes         Heat and Fan       Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.         Water removal       Dust and Water-resistant coating for lens cover         API       ONVIF, support TVT SDK and third-party management platform         Client       TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App         Web Browser       IE8-11         App version       Default:5.0.1. Update to 5.1.1 per request         General       Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       -40°C ~ 70°C (-40°F ~ 158°F) IR off; -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH         Storage condition       -40°C ~ 70°C; ≤ 95% RH	Serial interface	N/A (RS485/232)				
Heat and Fan Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.  Water removal Dust and Water-resistant coating for lens cover  API ONVIF, support TVT SDK and third-party management platform  Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11 App version Default:5.0.1. Update to 5.1.1 per request  General  Languages Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C; ≤ 95% RH	Auxiliary video out					
Water removal  Dust and Water-resistant coating for lens cover  API ONVIF, support TVT SDK and third-party management platform  Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11  App version Default: 5.0.1. Update to 5.1.1 per request  General  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. etc.  Power DC12V±20%, 3000mA, PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C; ≤ 95% RH	Reset button	Yes				
API ONVIF, support TVT SDK and third-party management platform  Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11  App version Default:5.0.1. Update to 5.1.1 per request  General  Languages Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition 40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C; ≤ 95% RH	Heat and Fan	Built-in temperature sensor, auto shut down at over- temperature; auto heat at cold start. No built-in fan.				
Client TVT N9000 1.4.5, TVT NVMS 2.0; and the third-party client, free iOS and Android App  Web Browser IE8-11  App version Default:5.0.1. Update to 5.1.1 per request  General  Languages Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.  Power DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C; ≤ 95% RH	Water removal					
Web Browser  IE8-11  App version  Default: 5.0.1. Update to 5.1.1 per request  General  Languages  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. etc.  Power  DC12V±20%, 3000mA, PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition  -40°C ~ 70°C; ≤ 95% RH	API					
Web Browser  IE8-11  App version  Default: 5.0.1. Update to 5.1.1 per request  General  Languages  Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish(Mexico); Simplified Chinese; Turkish; Traditional Chinese. etc.  Power  DC12V±20%, 3000mA, PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition  -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition  -40°C ~ 70°C; ≤ 95% RH	Client					
General         Languages       Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH         Storage condition       -40°C ~ 70°C; ≤ 95% RH	Web Browser					
General         Languages       Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish;Russian, Romanian, Spanish; Spanish(Mexico);Simplified Chinese; Turkish; Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH         Storage condition       -40°C ~ 70°C; ≤ 95% RH	App version	Default: 5.0.1. Update to 5.1.1 per request				
Languages       Traditional Chinese. etc.         Power       DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)         Working condition       -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH         Storage condition       -40°C ~ 70°C; ≤ 95% RH	General					
Traditional Chinese. etc.  Power DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)  Working condition -40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH  Storage condition -40°C ~ 70°C ; ≤ 95% RH		Czech; English, German; Hungarian; Italian; Japanese; Korean; Portuguese, Polish; Russian, Romanian, Spanish; Spanish (Mexico); Simplified Chinese; Turkish;				
Working condition $-40^{\circ}\text{C} \sim 70^{\circ}\text{C} (-40^{\circ}\text{F} \sim 158^{\circ}\text{F}) \text{ IR off, } -40^{\circ}\text{C} \sim 60^{\circ}\text{C IR on; Cold start} \ge -25^{\circ}\text{C}(1\text{Hour waiting}), \le 90\%\text{RH}$ Storage condition $-40^{\circ}\text{C} \sim 70^{\circ}\text{C} ; \le 95\% \text{ RH}$		Traditional Chinese. etc.				
Storage condition $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ ; $\leq 95\%$ RH	Power	DC12V±20%,3000mA,PoE+ (802.3.at), AVG. 4.5Watt, Max 16.2Watt at day; 20.2Watt at night (LED on, Speaker on + PT Rotation)				
-	Working condition	-40°C ~ 70°C (-40°F ~ 158°F) IR off, -40°C ~ 60°C IR on; Cold start≥- 25°C(1Hour waiting), ≤90%RH				
Protection 6000V Lightning Protection, Surge Protection and Voltage Transient Protection	Storage condition	-40°C ~ 70°C ;≤ 95% RH				
	Protection	6000V Lightning Protection, Surge Protection and Voltage Transient Protection				
Shield Material Main body: Aluminum Alloy(ADC12), Decoration: Polymer(Glass fiber and Plastic)	Shield Material	Main body: Aluminum Alloy(ADC12),Decoration: Polymer(Glass fiber and Plastic)				
Dimensions \$\\$\\$\\$\$ \$130mm x 162mmH \(\\$\\$5.1'x 6.4'\)	Dimensions	¢ 130mm x 162mmH (¢ 5.1′x 6.4′)				
Net Weight Approx. 1.2Kg (2.645lb.)	Net Weight	Approx. 1.2Kg (2.645lb.)				
Certification IP66,IK10(include lens window), ROHS,CE,FC,3C	Certification	IP66,IK10(include lens window), ROHS,CE,FC,3C				

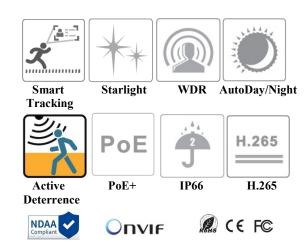
## **Key Spec:**

- Progressive scan BSI+NIR image sensor
- Up to 2560x1440 resolution
- Mini illumination:

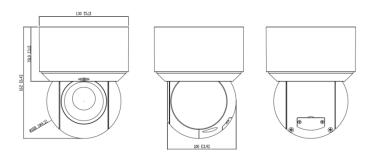
Color: 0.01 lux @ (F1.6 AGC ON) 0 Lux with IR

- 4x optical zoom, fast and accurate
- Smart 4 IR LEDs up to 50m, 2 White LED 30m
- Bi-directional audio, built-in Mics &Speaker

- 30m for audible warnings, 7m for voice recording
- AI-based human vehicle detection &classification and tracking, perimeter precaution, cross line, etc.
- SD/TF card chamber, Reset button, Alarm in/out
- PoE+ or DC12V power supply, easy installation
- IP66 Water-proof, IK10, -40°C~70°C
- Onvif, API, SDK, IE/NVR/VMS/free mobile Apps



## Dimensions(mm/inch):



<sup>\*</sup>All texts,pictures and data subject to change without notice.