## **20X 4G Network 1080P**

## Vehicle PTZ Camera



• Single channel 1080P HD video, storage transmission dual 1080P

• Intelligent bit rate adjustment, greatly reducing the transmission traffic and storage space H.265,backward compatible H.264

 4G all Netcom communications, remote real-time monitoring, optional dual 4G

• Built in storage card, max 128G, with intelligent bit rate

adjustment algorithm, can save much storage space

- Support GPS/Beidou module, accurate locating
- Video overlay 4G signal strength information,local remote real-time read signal quality
- Support shock absorption structure, improve

equipment stability

• Support Audio pick up and Record, Live remote control

by VMS or Mobile App

• IR distance:80-100m,optional laser light

## **Application:**

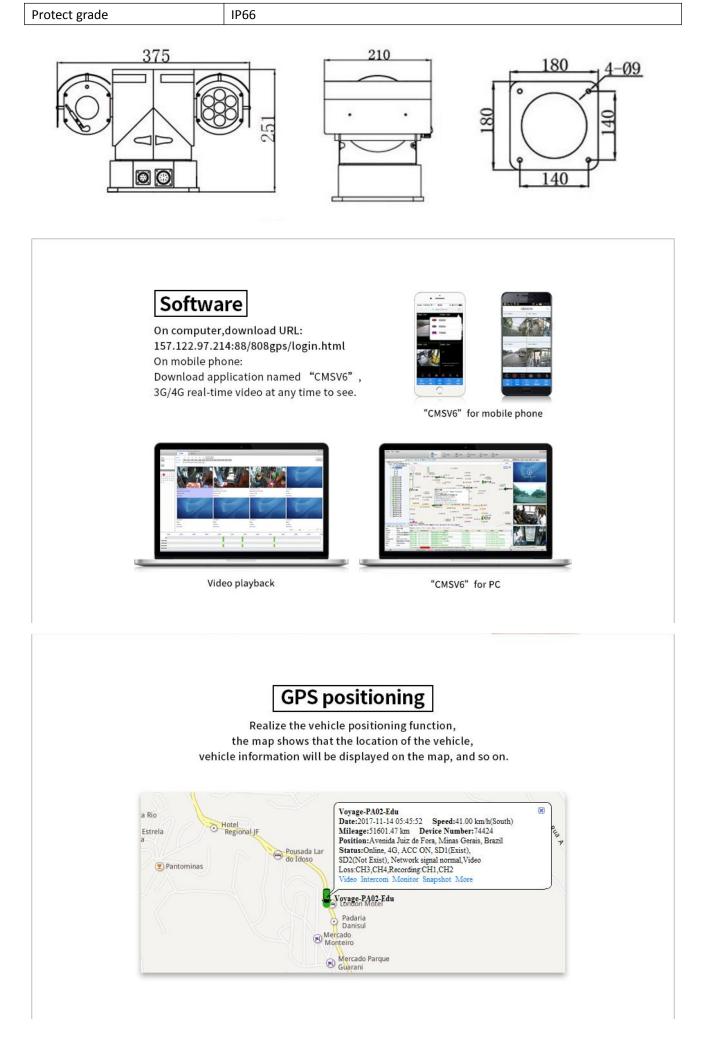
Used in a wide range of fixed point monitoring, vehicle video surveillance, field video surveillance and other places need high-definition monitoring, such as: construction sites, public security vehicles, land resources, sea ports, electricity, ships and so on.

Product name	4G Network Vehicle HD PTZ Camera(SVN-HSX60-20GS)
Camera	
Sensor	1/3" Progressive Scan CMOS
Focal Length	5.4-108mm,20X Optical
Aperture Value	F1.5-F2.7
View Angle	Horizontal: 50.2-2.9° (MinMax.) Vertical: 37.9-2.1°
Min. Distance	10mm-1000mm (MinMax.)
Zoom Speed	3s

## **Technical parameters**



Scanning     Progressive Scanning       Resolution       Main Stream     SDHz: 25fps(1920×1080.1280×720): 60Hz: 30fps(1920×1080.1280×720)       Sub Stream     SDHz: 25fps(720×576, 352×288): 60Hz: 30fps(1920×1080.1280×720)       Sub Stream     SDHz: 25fps(720×576, 352×288): 50Hz: 30fps(1720×480, 352×240)       Illumination     O.D1Lux @(F1.5AGC ON)eloot, 00SLux @(F1.5AGC ON)eloV       Illumination     D.O1Lux @(F1.5AGC ON)eloot, 00SLux @(F1.5AGC ON)eloV       Image Adjustment     Saturation, Brightness, Contrast, Sharpness, Hue Adjustment       Image String     Privacy Mask, Anti Filcker, Defog, Corridor Mode, Mirror, Kotate, BLC, HLC, Defoct Montal, One Time Focus       ROI     4 areas       Focus Mode     Auto/Manual/Shutter Priority/Aperture Priority       Shutter Time     1/25*1/100000       WDR     Super WDR, Auto WDR, 0-100 digital adjustment       DNR     20/3D       Less Initialization     Builtir Shutter Priority       Digital Zoom     15 ×       System Mode     DAL/NSTC       It aged     0.6* 220'/S       Tilt speed     0.6* 220'/S       Tilt speed     0.6* 220'/S       Tilt speed     0.6* 220'/S       Tilt	D/N Shift	ICR, Auto, Color, White/Black, Timing, Threshold Control, Rotation	
Main Stream50Hz: 25fps(1920×1080, 1280×720); 60Hz: 30fps(1920×1080, 1280×720)Sub Stream50Hz: 225fps(720×576, 352×288); 60Hz: 30fps(720×480, 352×240)Third Stream50Hz: (720×576, 352×288); 60Hz: 30fps(720×480, 352×240)Ilumination0.01Lux @(F1.5,AGC ON);60Hz: (720×480, 352×240)Image SettingPrivacy Mask, Anti Flicker, Defog. Corridor Mode, Mirror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off MemoryROI4 areasFocus ModeAuto/Manual/One Time FocusExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25-1/100000White BalanceAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25-1/100000WDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/3DLens InitializationBuilt-in Shutter PrioritySystem ModePAL/NSTCIR Night visionItsIR Night visionSupport,Lange the speed with zoom changedProportional zoomSupport,Lange the speed with zoom changedProportional zoomSupport,Lange the speed with zoom changedPreset position220pcsNetwork1CH RL45StorageLocal storage TF card 128G (class10)Smart DetectionVideo Mask, Audio Abnormal, OFF. Ime, JP, opting, JNTP, UPP, SMNP, FF, 802, LA, Cos, HTTPS, (IVPG opting)Smart DetectionVideo Mask, Audio Abnormal, OFF. Ime, JP, conflict, HDD FundOr soft, Audor Abnormal, OFF. Ime, JP, conflict, HDD FundOr memory, Network of RecoverySmart DetectionVideo Mask, Audio	Scanning	Progressive Scanning	
Sub Stream50Hz: 25fps/720x576, 352×288); 60Hz: 30fps/720x480, 352×240)30fpsIlumination60Hz: 25fps/720x58); 25fps:70Hz: 720x480, 352×240)30fpsIlumination0.01Lux @(FL5, AGC ON)color, 0.005Lux @(FL5, AGC ON)gA/WImage AdjustmentSaturation, Brightness, Conriat, Sharpness, Hue AdjustmentImage SettingPrivery Mask, Anti Flicker, Defog, Corridor Mode, Mirror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off MemoryROI4 areasFocus ModeAuto/Manual/One Time FocusExposure ModeAuto/Manual/Solium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR2D/3DLens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePA/LNSTCIR digitance80°100mPTPan speed0.6°-220'/STilt speed0.8°-75'/STilt range0°-90'/Automatic filp 180°Pan range360° contiously rotationProportional zoomSupport,change the speed with zoom changedPreset position220pcsNetwork4GWire network10H R45StorageLocal storage TE card 1286 (class10)Smart FunctionMotion Detection, Area Intrusion,	Resolution		
Third Stream     S0Hz.(720×576, 352×288) 25fps,60Hz.(720×480, 352×240)30fps       Illumination     0.01Lux @(F1.5,AGC ON)color, 0.005Lux @(F1.5,AGC ON)g/W       Image Adjustment     Saturation, Brightness, Contrast, Sharpness, Hue Adjustment       Image Setting     Privacy Mask, Anti Ficker, Defog, Corridor Mode, Mirror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off Memory       ROI     4 areas       Focus Mode     Auto/Manual/One Time Focus       Exposure Mode     Auto/Manual/Shutter Priority/Aperture Priority       Shutter Time     1/25*1/100000       White Balance     Auto J/Anto 2/Indoor/Outdoor/Manual/Sodium Lamp/White Lamp       WDR     Super WDR, Auto WDR, 0-100 digital adjustment       DNR     20/30       Lens Initialization     Built-in Shutter Priority       Digital Zoom     16 X       System Mode     80-1/NISTC       IR Night vision     Its ageed       It seged     0.6*- 220*/S       Tilt speed     0.8*- 75*/S       Tilt speed     0.8*- 75*/S       Tilt speed     0.8*- 20*/S       Network     4G       Wire network     1CH RI45       Storage     Local storage	Main Stream	50Hz: 25fps(1920×1080,1280×720); 60Hz: 30fps(1920×1080, 1280×720)	
Illumination     0.01Lux @(F1.5,AGC ON)color, 0.005Lux @(F1.5,AGC ON)B/W       Image Adjustment     Sturation, Brightness, Contrast, Sharpness, Hue Adjustment       Image Setting     Privacy Mask, Anti Flicker, Defog, Corridor Mode, Miror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off Memory       ROI     4 areas       Focus Mode     Auto/Manual/Shutter Priority/Aperture Priority       Shutter Time     1/25°1/100000       White Balance     Auto J/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White Lamp       WDR     Super WDR, Auto WDR, 0-100 digital adjustment       DNR     20/30       Lens Initialization     Built-in Shutter Priority       Digital Zoom     16 X       System Mode     PAL/NSTC       IR Night vision     Its area       IR tacac     80°100m       Priz     Priz       Pan speed     0.6*-220°/S       Tilt range     0*-90*Automatic flip 180°       Pan arage     360° contiously rotation       Prosetopational zoom     Support, change the speed with zoom changed       Preset position     20pts       Wetwork     4G       Wire network     1CH RJ45 <tr< td=""><td>Sub Stream</td><td>50Hz: 25fps(720×576, 352×288); 60Hz: 30fps(720×480, 352×240)</td></tr<>	Sub Stream	50Hz: 25fps(720×576, 352×288); 60Hz: 30fps(720×480, 352×240)	
Image AdjustmentSaturation, Brightness, Contrast, Sharpness, Hue AdjustmentImage SettingPrivacy Mask, Anti Flicker, Defog. Corridor Mode, Mirror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off MemoryROI4 areasFocus ModeAuto/Manual/One Time FocusExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25-1/100000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR2D/30Lens InitializationBuilt-in Shutter PriorityBigital Zoom16 XSystem ModeAU/INSTCIR Night visionRIR distance80-100mP1Pan speed0.6*- 220*/STilt speed0.8*- 75*/STilt range0*0*,04tomatic flip 180*Pan range360* contiously rotationProportional zoomSupport,change the speed with zoom changedPriset position220gcsNetwork4GWire network1CH RIASStorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart FunctionVideo Mask, Audio Ahonornal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPP, SMMP, FTF, 802 ix, QoS, HTTPS, (IrVs optional)ComparibilityONVIE24, FV private protocol, GG, Support HIK/DAHUA protocolAudio Compression<	Third Stream	50Hz:(720×576, 352×288) 25fps;60Hz:(720×480, 352×240)30fps	
Image SettingPrivacy Mask, Anti Flicker, Defog, Corridor Mode, Mirror, Rotate, BLC, HLC, Defect Point Compensation, Watch mode, Power off MemoryROI4 areasFocus ModeAuto/Manual/One Time FocusExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25*1/10000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/30Lens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night VisionItIR distance&0*100mPTZVanto ControlPan speed0.6*- 20*/5Tilt speed0.8*- 75*/5Tilt range0*30*/automatic flip 180*Pan range360* contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position200csNetwork4GWire network1CH RIJ5StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoveryProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SMMP, FTP, 802 1x, QoS, HTTPS, (IPVs optional)ComparisonG.711, AACVideo Compression4.265/H.264GeneralHeartbat, Password Protection, Black/White listPostoringConsumptionSupportGPS, BDS dual moduleOtherConsumptio	Illumination	0.01Lux @(F1.5,AGC ON)color, 0.005Lux @(F1.5,AGC ON)B/W	
Defect Point Compensation, Watch mode, Power off MemoryROI4 areasFocus ModeAuto/Manual/On Time FocusExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25°1/10000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/30Lens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR distance80°100mPTZParagePan speed0.6°-220°/STilt speed0.8°-75′STilt speed0.8°-200°/STilt range0'-90°,Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport,change the speed with zoom changedProportional zoomSupport,change the speed with zoom changedWire network1CH R45StorageLocal storage TF card 128G (class10)Smart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolCP/IP, HTTP, OHCP, DNS, DNS, RTP, RTSP, PPPOE, SMTP, NTP, UPAP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPV6 optional)CompatibilityONN/F2.4, FV private protocol, GS, Support HIK/DAHUA protocolAudio Compression4.256/H.264ComportionGPS, BDS dual moduleOrderesPrive 2.1x, ACCWide Compression4.262/H.264CompatibilityONN/F2.4, FV private protocol, GS, Support HIK/DAHUA protocolAudio Compression4.265/H.264 <td>Image Adjustment</td> <td>Saturation, Brightness, Contrast, Sharpness, Hue Adjustment</td>	Image Adjustment	Saturation, Brightness, Contrast, Sharpness, Hue Adjustment	
ROI4 areasFocus ModeAuto/Manual/One Time FocusExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityExposure ModeAuto /Manual/Shutter Priority/Aperture PriorityWTm1/25"1/100000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/30Lens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionItsIR stance80°100mPTZTermPan speed0.6" 220"/STilt speed0.8" 75"/STilt range0"- 90", Automatic flip 180"Pan range360" contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position20pcsNetwork1CH RJ5StorageLocal storage TF card 128G (class10)Smart LeuctionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPOE, SMTP, NTP, UPAP, SNMP, FTP, 802.1x, 205, INTPS, (IPV6 optional)CompatibilityONVE2.4, FV private protocol, GI, Support HIK/DAHUA protocolAudio Compression4.265/H.264GeneralHeartbeat, Password Protection, Black/White listPostiongconsumptionSupportGPS,BDS dual moduleOtresPover supplyPover supplyDC12V±10%ConsumptionDay max 15W night max SOW(with heater) <td< td=""><td>Image Setting</td><td>Privacy Mask, Anti Flicker, Defog, Corridor Mode, Mirror, Rotate, BLC, HLC,</td></td<>	Image Setting	Privacy Mask, Anti Flicker, Defog, Corridor Mode, Mirror, Rotate, BLC, HLC,	
Focus ModeAuto/Manual/Shutter Priority/Aperture PriorityExposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25~1/10000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/30Lens InitializationBuilt-In Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night vision80°-100mPTZPan speed0.6* 207/S11 rangePan speed0.6* 207/STilt speed0.8* 75'/STilt range0* 90°, Automatic flip 180°Pan arage360° contiously rotationPropertional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RV45StorageLocal storage TF card 128G (class10)Smart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPAC, SMTP, NTP, UPAP, SMMP, FTP, 802.14, AuVideo CompressionG.711, AACVideo CompressionG.711, AACVideo CompressionG.711, AACVideo CompressionG.714, AACVideo CompressionG.71		Defect Point Compensation, Watch mode, Power off Memory	
Exposure ModeAuto/Manual/Shutter Priority/Aperture PriorityShutter Time1/25~1/10000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/30Lens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night VisionIts Natter PriorityIR distance80°100mPTZIts SpeedPan speed0.6°-220°/STilt speed0.8°-75'STilt range0°-90°,Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport,change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH R45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolCr/19, HTTP, CHCP, DNS, DNS, RTF, RTSP, PPPOE, SMTP, NTP, UPPP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPV6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionG.713, AACVideo CompressionG.714, CConsumptionDay max 15W night max 50W(with heater)Working temperature and numidityCoSC+469C 10%~95%(No condensation)Protet gradeTo S30	ROI	4 areas	
Shutter Time1/25~1/10000White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR2D/3DLens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionIte Night visionIR distance80~100mPTPan speed0.6*-220'/STilt speed0.8*-75'/STilt range0°-90', Automatic flip 180'Pan range360' contiously rotationProsectional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWiren network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionWide Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPDe, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPVo Guil, HDD Full, HDD ErrorProtocolCOP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPDe, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPVo Guil, HDD Full, HDD ErrorProtocolCOP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPDe, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QOS, HTTPS, (IPVo Guil)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio Compression6.711, AACVideo CompressionH.265/H.264GeneralHearbeat, Password Protection, Black/White listPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with he	Focus Mode	Auto/Manual/One Time Focus	
White BalanceAuto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White LampWDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR20/3DLens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionInternet State Sta	Exposure Mode	Auto/Manual/Shutter Priority/Aperture Priority	
WDRSuper WDR, Auto WDR, 0-100 digital adjustmentDNR2D/3DLens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionIIR distance80°100mPTZ-Pan speed0.6"- 220'/STilt range0"- 90", Automatic flip 180"Pan range360" contiously rotationProsed additionSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF cand 128G (class10)Smart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SMMP, FTP, 802.13, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, GGI, Support HIK/DAHUA protocolAudio CompressionG.71.1, AACVideo CompressionGPS, BDS dual moduleOthere	Shutter Time	1/25~1/100000	
DNR2D/3DLens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionIRIR distance80°100mPTZPar speed0.6° - 220°/STilt speed0.8° - 75°/STilt range0° - 90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 1286 (class10)Smart PunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS. (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPostioningSupportSupportDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20%~460% (10%~95%(Nc condensation)Protect gradeTV\$3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	White Balance	Auto 1/Auto 2/Indoor/Outdoor/Manual/Sodium Lamp/White Lamp	
Lens InitializationBuilt-in Shutter PriorityDigital Zoom16 XSystem ModePAL/NSTCIR Night visionIR Night visionIR distance80~100mPTZPan speedO.6* - 220*/SO.8* - 75*/STilt speed0.6* - 20*/STilt range0* - 90*, Automatic flip 180*Pan range360* contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionWotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolCCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPnP, SNMPP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIE2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio Compression6.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningSupportSupportGPS,BDS dual moduleOthers-Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	WDR	Super WDR, Auto WDR, 0-100 digital adjustment	
Digital Zoom16 XSystem ModePAL/NSTCIR Night vision80°100mIR distance80°100mPT2Pan speed0.6°- 220'/STilt speed0.6°- 220'/STilt range0°° 90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220csNetwork4GWire network1CH RI45StorageLocal storage TF card 128G (class10)Smart FunctionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolCP/P, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPP6E, SMTP, NTP, UPnP, SNMPP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CG, Support HIK/DAHUA protocolAudio Compression6.711, AACVideo CompressionH265/H.264GeneralHearbeat, Password Protection,Black/White listPositioningSupportSupportGPS,BDS dual moduleOthersVideo Xi SU Night max 50W(with heater)Working temperature and humidity-208C~10%~95%(No condensation)Portet gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mn)490*307*237	DNR	2D/3D	
System Mode     PAL/NSTC       IR Night vision     IR distance     80~100m       PTZ	Lens Initialization	Built-in Shutter Priority	
IR Night vision       IR distance     80°100m       PTZ     Pan speed       0.6°- 220°/S     Some and the speed of the speed of the speed of the speed of the speed speed speed	Digital Zoom	16 X	
IR distance80°100mPTZPan speed0.6° - 220°/STilt speed0.8° - 75'/STilt range0° - 90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionWideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionG25/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and numidity-209C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	System Mode	PAL/NSTC	
PTZPan speed0.6°- 220°/STilt speed0.8° - 75°/STilt range0°- 90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio Compression6.711, AACVideo Compression6PS,BDS dual moduleOtresDistoringsupportGPS,BDS dual moduleOtresDistorionPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)HunidityProtect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Pan speed0.6° - 20°/STilt speed0.8° - 75°/STilt range0° - 90°, Automatic flip 180°Pan range360° contiously rotationPan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RI45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningSupportsupportGPS, BDS dual moduleOttersDay max 15W night max 50W(with heater)Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	IR distance	80~100m	
Tilt speed0.8°-75°/STilt range0°-90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionWideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtectTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Vorking temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Tilt speed0.8°-75°/STilt range0°-90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionWideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtectTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Vorking temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Pan speed	0.6°- 220°/S	
Tilt range0°- 90°, Automatic flip 180°Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Owrking temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Pan range360° contiously rotationProportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPV6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningSupportSupportOPS,BDS dual moduleOthers		0°- 90°, Automatic flip 180°	
Proportional zoomSupport, change the speed with zoom changedPreset position220pcsNetwork4GNetwork1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPPn, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionGPS,BDS dual modulePositioningsupportSupportDC12V±10%ConsumptionD212V±10%ConsumptionDay max 15W night max 50W(with heater)Vorking temperature and humidity-20°C~+60°C 10%~95%(No condensation)Hui Integration size(mm)490*307*237			
Preset position   220pcs     Network   4G     Wire network   1CH RJ45     Storage   Local storage TF card 128G (class10)     Smart Function   Motion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off Recovery     Smart Detection   Video Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD Error     Protocol   TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPNP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)     Compatibility   ONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocol     Audio Compression   G.711, AAC     Video Compression   H.265/H.264     General   Heartbeat, Password Protection,Black/White list     Positioning   support     GPS,BDS dual module   Others     Power supply   DC12V±10%     Consumption   Day max 15W night max 50W(with heater)     ·20°C~+60°C 10%~95%(No condensation)   -20°C~+60°C 10%~95%(No condensation)     humidity   Protect grade   TVS3000V Lightning protection, anti-surge, anti-surge     Full integration size(mm)   490*307*237		Support, change the speed with zoom changed	
NetworkNetwork4GWire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningSupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)HumidityTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Wire network1CH RJ45StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningSupportSupportGPS,BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)HumidityFVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
StorageLocal storage TF card 128G (class10)Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningSupportSupportGPS,BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)HumidityTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Network	4G	
Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningSupportSupportGPS,BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%~05%(No condensation)Working temperature and humidity-20ºC~+60ºC 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Wire network	1CH RJ45	
Smart FunctionMotion Detection, Area Intrusion, Line Crossing, Distortion Correction, Power Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningSupportSupportGPS,BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%~05%(No condensation)Working temperature and humidity-20ºC~+60ºC 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Storage	Local storage TF card 128G (class10)	
Off memory, Network off RecoverySmart DetectionVideo Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD ErrorProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection, Black/White listPositioningGPS, BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%ConsumptionJay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
ProtocolTCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Vorking temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237		_	
FTP, 802.1x, QoS, HTTPS, (IPv6 optional)CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningsupportGPS,BDS dual moduleOthersDC12V±10%Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Smart Detection	Video Mask, Audio Abnormal, Off-line, IP conflict, HDD Full, HDD Error	
CompatibilityONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocolAudio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Protocol	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPOE, SMTP, NTP, UPnP, SNMP,	
Audio CompressionG.711, AACVideo CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237		FTP, 802.1x, QoS, HTTPS, (IPv6 optional)	
Video CompressionH.265/H.264GeneralHeartbeat, Password Protection,Black/White listPositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Compatibility	ONVIF2.4, FV private protocol, CGI, Support HIK/DAHUA protocol	
GeneralHeartbeat, Password Protection, Black/White listPositioningsupportGPS, BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Audio Compression	G.711, AAC	
PositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Video Compression	H.265/H.264	
PositioningsupportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	General	Heartbeat, Password Protection, Black/White list	
supportGPS,BDS dual moduleOthersPower supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Power supplyDC12V±10%ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
ConsumptionDay max 15W night max 50W(with heater)Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	Power supply	DC12V±10%	
Working temperature and humidity-20°C~+60°C 10%~95%(No condensation)Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
humidityTVS3000V Lightning protection, anti-surge, anti-surgeProtect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237	•		
Protect gradeTVS3000V Lightning protection, anti-surge, anti-surgeFull integration size(mm)490*307*237			
Full integration size(mm) 490*307*237		TVS3000V Lightning protection, anti-surge, anti-surge	
	Weight	10Kg(including package)	



Vehicle track playback

Play back the history of the vehicle trajectory, the user of vehicle driving process be clear at a glance.

