Falcon

Human Recognition System

Features

High-performance, High-capacity
- Supports up to 500,000 cameras in one system
- Supports up to 10,000,000 Face / Human Detection Comparison Library
- Real-time multiple face matching, matching speed low to 2s
- Up to 98% face recognition accuracy

Deep Analysis
- Supports deep learning algorithm
- Supports human attributes analysis

Good Compatibility
- Supports different types of camera: Kedacom human recognitive camera, Kedacom standard IP camera, Third-party IP camera

Abundant Functions and Features
- Three types of snapshot: face, head and shoulder, person
- Supports recognizing and capturing the human side and back picture
- Supports searching picture by picture or attributes

Specifications

	Falcon Human Recognition System
KProServer3 CPU Server	
CPU Server Chassis	High density server chassis 19" 2U standard blade rack server chassis, able to insert 4 computing nodes, each computing node configuration 6 slot of 3.5 inch / 2.5 inch compatible hard drive slot, a total of 24 hard disk slot can be placed Include 2 unit of 2150W redundant platinum power supply
Computing Nodes	Computing Nodes for KProServer3-B01 2 x Intel Xeon Silver 4110 (8 core, 16 thread, up to 3.0GHz, 11MB Cache), 32GB RAM (KProServer3-N100-E01-32G) / 64GB RAM KProServer3-N100-E01-64G) / 128GB RAM (KProServer3-N100-E02-128G) 1 x 2.4TB SAS, 1x 960GB SSD, 2 x SFP OS license not included
Functions	Compares the attributes of each face Calculates the similarity percentage between faces
Operating Temperature	10°C ~ 40°C / 50°F ~ 104°F
Operating Humidity	50% ~ 90%
Power	100 ~ 127V AC, 50 ~ 60Hz / 200 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 2150W (4 computing nodes included)
Weight	38kg / 83.78lb (including 4 x nodes)
Chassis Dimensions	733 x 438 x 86.9mm / 28.86" x 17.24" x 3.42"
DeepEngine-1000 GPU Server	
GPU Server Chassis	High density server chassis 19" 4U standard blade rack server chassis, able to insert 6 computing nodes Include 4 unit of 1200W redundant platinum power supply
Computing Nodes	Computing Nodes for DeepEngine-1000 1 x 64 bit multi-core CPU, 2 x GPU, 32GB RAM 2 x 1000M RJ45, 240GB SSD OS license not included
Functions	Identifies the faces and persons in the video streaming Grabs the attributes of each face and person
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Operating Humidity	50% ~ 90%
Power	100 ~ 127V AC, 50 ~ 60Hz / 200 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 3000W (6 computing nodes included)
Weight	58kg / 127.87lb (including 6 x nodes)
Chassis Dimensions	820 x 440 x 177.8mm / 32.28" x 17.32" x 7"
System	
Supported Operating System	Windows10 Professional 64-bit / Windows 10 Enterprise 64-bit Windows 7 Professional 64-bit / Windows 7 Enterprise 64-bit / Windows 7 Ultimate 64-bit
Database	Elastic Search
Application System	Falcon Human Recognition System
User Management	Admin / User
Maximum Number Of Camera / Video Stream Access	Up to 500,000
Face / Human Detection Comparison Library	Up to 10,000,000
Camera Access Type	Kedacom human recognitive camera Kedacom standard IPC (by Kedacom VMS) Third-party IPC (by Kedacom VMS and NVR) RTSP Video Stream (Optional)
Storage	Face and human pictures (By IPSAN)
Recognitive Functions	
Target Detection	Identifies the faces and persons in the video streaming
Captured Picture	Person, Face, Full view
Face Matching	Real-time / Post-event
Analysis	Analyzes attributes of human and face image, grabs the gender, age group, with or without glasses and mask, color of clothes, texture of clothes, direction, speed level
Search Mode	Date and time / Camera / Face image / Person image / Attributes (gender, age group, with or without glasses and mask, color of clothes, texture of clothes, direction, speed level)
People Counting	Bi-directional
Alarm	
Alarm Triggers	Face matching
Alarm Events	Alarm report / Snapshot / Acoustic alarm
Video	
Compression	H.265 / H.264
Live View	1080p@30fps
Network	
Network Protocols	TCP/IP, UDP, RTSP, VSIP, 802.1x, IPv4
User Interface	EPAS Client

IPC522-F230

2.0MP 30x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjust
- 3D noise reduction / HLC / BLC

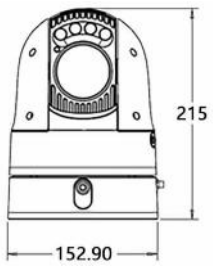
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 30x optical zoom
- IR distance up to 80m

Abundant functions and features
- Built-in Micro SD card, supports Automatic Network Replenishment (ANR)
- Built-in super magnet
- 3G / 4G / Wi-Fi / Blue tooth supported
- Up to 8 hours continuous working with battery in 4G (IPC522-F230-G only)
- Up to 10 hours continuous working with battery in Wi-Fi
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC522-F230
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.5, AGC ON) B/W: 0.0003lux @ (F1.5, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 135mm, 30x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.77° (Wide~Tele)
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6(Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	4pcs IR LED Array
IR Distance	40 ~ 80m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 30°/s; Pan preset speed: 50°/s Tilt manual speed: 0.1° ~ 30°/s; Tilt preset speed: 50°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Pan scan / Tilt scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	
Compression	H.265 / H.264
Image Resolution	Main stream: 1080p Secondary stream: 720
Frame Rate	Main stream: 1080p@30fps Secondary stream: 720@30fps
Bitrate	64kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 20 Users (includes 2 internal)
Wireless	-G / -W: Wi-Fi -G: 3G / 4G / Blue tooth"
3G / 4G Frequency Band	-G: FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 Customizable network spectrum
Wi-Fi	-G: 802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP -W: Wi-Fi station mode only
Blue Tooth	-G: BT 4.1
Location Technology	GPS, GLONASS (optional)
Application Programming	Onvif (Profile S, Profile G), API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Aviation Port	4-Pin 10/100M interface, 2-Pin Charge interface
Wi-Fi	Built-in Wi-Fi module
GPS	-G: Build-in GPS module
3G / 4G	-G: Build-in 3G / 4G module
Blue Tooth	-G: Bulit-in Blue Tooth module
Memory Slot	Built-in 128G Micro SD card
Environmental	
Operating Temperature	Power supplied by built-in battery : -20°C ~ 60°C / -4°F ~ 140°F Power supplied by DC: -40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	Built-in 13600mAH normal temperature rechargeable lithium battery Up to 8 hours continuous working with battery in 4G Up to 10 hours continuous working with battery in Wi-Fi 12V DC ± 10%
Power Consumption	Max. 20W (IR on)
Mechanical	
Magnet	Built-in super magnet
Weight	4kg / 8.82lb (Gross Weight)
Dimensions	Φ215 × 153mm / Φ8.47" x 6.03
Colour	White Customizable Black
Accessories	
Optional	Three-proof Suitcase

* All battery claims depend on network configuration and many other factors, actual results will vary.

SVR2420

Mobile PoE NVR

Features

Excellent Video Transmission
- KWTP protocol for 3G / 4G transmission, improves the video stream continuity underunstable network conditions
- H.265 video codec, saves up to 50% bandwidth and storage

High-performance
- 1 x 4K@30fps video decoding capability
- Up to 12 channel and 4K H.265 supported

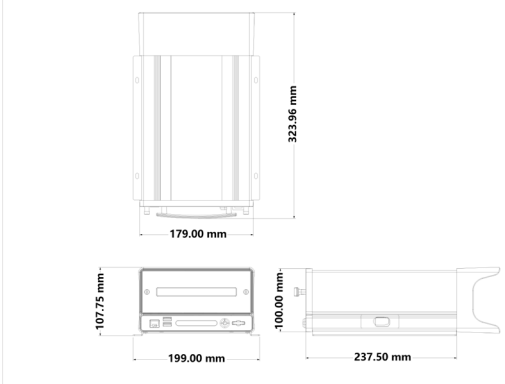
High reliability
- Embedded Linux
- Low power consumption
- Aviation plug design for Ethernet, video, audio, control signal and power supply
- Fan-less design with heat dissipation shell
- Shock-proof design, protects the HDD while vehicle is being driven

Easy to install and Use
- Automatic network organizing
- Built-in DHCP server
- Pluggable HDD drawer, easy to change HDD module
- HDD module supports USB interface, easy to backup record

Abundant functions and features
- Up to 12 IP Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera
- All mobile networks supported
- Supports dual SIM card bundle
- Built-in GPS module

Dimensions

Units:mm



Specifications

	SVR2420-0204A/4P	SVR2420-0208A/8P	SVR2420-0212A/8P
Video/Audio Input			
Camera Input	4 channel	8 channel	12 channel
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression	H.264 / H.265		
Protocols	Onvif, RTSP, KEDACOM		
Bitrate	64kbps ~ 16384kbps		
Incoming Bandwidth	20Mbps	40Mbps	60Mbps
Live Viewing			
Local Display	1 x HDMI, 1 x VGA, 2 x CVBS, simultaneously output same content		
Layout	1, 4, 9, 16		
Function	E-PTZ / Scheme / Polling		
Recording			
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Supported		
Tag	Supported		
Search & Playback			
Search Mode	Date and time (Calendar) / Event		
Resolution	8MP (4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Playback (Client)	up to 16 x 4K@30fps		
Synchronize Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Synchronize Playback (Client)	4 x 4K@30fps		
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ		
Storage			
Max. Internal HDDs	2 x 2.5" HDD Max. 8TB (up to 4TB / each)		
Built-in Storage	-GH: 1 x 1TB HDD		
Audio			
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC / G.726		
Bit rate	32kbps ~ 64kbps		
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting		
Alarm			
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge		
System Alarm Triggers	Device disconnected / No disk / Disk error / IP Address conflict /Network fault / Insufficient recording space / MAC address conflict / Insufficient snapshot space / Unauthorized access		
Alarm Events	Snapshot / Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption / Live view in first window / Link to TV Wall / Full screen viewing		
System			
Operating System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming	CGI		
Network			
Network Protocols	TCP / IP, UDP, HTTP, DHCP, DNS / DDNS, RTP / RTCP, RTSP, PPPoE, FTP, SNTP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)		
Viewer Software	Web		
Max. User Access	16 Users		
Function	NAT / Socks5 / Multiple network access / Packet loss recovery		
Network Test	Supported		
Wireless	-S: Wi-Fi -G / -GH: Wi-Fi, 3G / 4G		
Number of Simcard Slots	-S: 0 -G / -GH: default 1, up to 2		
3G / 4G Frequency Band	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 TDD-LTE: B38 / B39 / B40 / B41 HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 / BC1 Customizable network spectrum		
Wi-Fi	802.11 b/g/n/a/ac 2.4G / 5G , Wi-Fi AP		
Location Technology	GPS, GLONASS		
Application Programming	Onvif (Profile S, Profile G), API, CGI		
Interfaces			
Ethernet	1 x 10 / 100M, RJ45 interface		
Audio In / Out	1 x Line in / 1 x Mic in / 1 x Line out		
Aviation Plug	2 x 10 pin: 4 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	4 x 10 pin: 8 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	4 x 10 pin: 8 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC
Video Out	1 x HDMI (up to 4K@30Hz) 1 x VGA (up to 1920 x 1080@60Hz) 2 x CVBS (PAL 720 x 576, NTSC 720 x 480)		
PoE Camera Input	4 channel	8 channel	8 channel
Alarm In / Out	8 x Input / 4 x Output		
Antenna	2 x Wi-Fi Antenna interface, 1 x GNSS Antenna interface, 1 x 4G Antenna interface (up to 2)		
Control	1 x RS485, 1 x RS232		
Environmental			
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F		
Operating Humidity	10% ~ 90%		
Electrical			
Power	DC 9 ~ 36V		
Power Consumption	max. 96W		
Mechanical			
Weight	5.6kg / 12.35lb		
Dimensions	280 × 180 × 98mm / 11.02" x 7.09" x 3.86"		
Accessories			
Standard	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)
Optional	HDMI adapter cable (Type-E male to type-A male)		

KDM2410M-V21

Vehicle NVR / Wireless Mobile Encoder

Specifications

	KDM2410M-V21
Camera Input	
IP Camera	4 Channel
Analog Camera	4 Channel
Video	
Compression Format	H.265 / H.264
Resolution	4MP, 1080p, 720p, D1, CIF, QCIF
Dual Stream	Supported
Video Frame Rate	1 ~ 30fps
Bitrate	64Kbps ~ 4Mbps
Audio	
Compression Format	G.711a / G.711u / ADPCM / AMR / G.722.1c / AAC-LC
Bit rate	24Kbps ~ 64Kbps
Audio Function	Bi-directional audio / AEC / Mute / Dumb / Remix
Storage	
HDD	1 x 2.5" hard disk (hard disk drawer), Max. 4TB
Memory Slot	SD slot, supports up to 128GB
Network	
Network Protocol	TCP/IP, ARP, FTP, TELNET, HTTP, RTP/RTCP, SNTP, VSIP, KWTP, IPv4, IPv6 (optional)
Function	NAT / Multiple network access / Packet loss recovery
Wireless	3G (optional) / 4G (optional) / Wi-Fi
3G / 4G Frequency Band	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 TDD-LTE: B38 / B39 / B40 / B41 HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 / BC1
Wi-Fi	802.11b/g/n 2.4G, Wi-Fi AP
Location Technology	GPS, GLONASS (optional), Beidou (optional)
Interfaces	
Ethernet	1 x RJ45, 10Base-T/100Base-TX
Audio In / Out	1 x Mic in, 1 x Mic out
Aviation Plug	4 x 10 pin: 4 x Video input / 4 x Audio input, 4 x DC12V / 1A Output, 4 x RJ45 1 x 4 pin: Power supply for PTZ Camera 1 x 10 pin: Video output 1 x 9 pin: Power input 9 ~ 36V DC
Alarm In / Out	4 x Input / 1 x Output
Control	1 x RS485, 1 x RS232
Antenna	1 x Wi-Fi Antenna interface, 1 x GPS Antenna interface
Extension	3 x Extension module slot (supports 3G / 4G module, GLONASS / Beidou module)
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 85%
Elevation	-60m ~ 5000m
Electrical	
Power	9 ~ 36V DC wide range input 12V DC input
Power Consumption	15W (HDD not included)
Mechanical	
Weight	2.6kg / 5.73lb
Dimension	252 × 188.4 × 60mm / 9.92" x 7.42" x 2.36"
Accessories	
Standard	1 × Wi-Fi Antenna, 1 × GPS Antenna, 7 × Aviation plug connector cable, 1 × USB cable
Optional	3G / 4G Module, Mounting Box, HDD Box, Android Pad

Features

Excellent Video Transmission
- KWTP protocol for 3G / 4G transmission, improves the video stream continuity under unstable network
- H.265 video codec, saves up to 50% bandwidth and storage

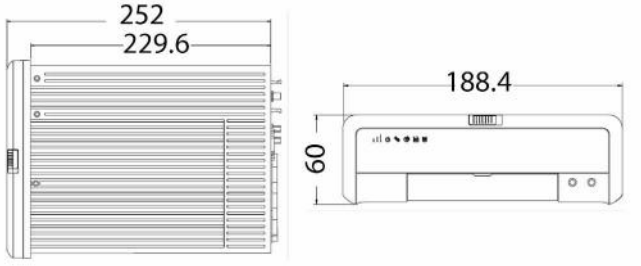
High Reliability
- Embedded Linux
- Low power consumption
- Aviation plug design for Ethernet, video, audio, control signal and power supply
- Fan-less design with heat dissipation shell
- Shock-proof design, protects the HDD while vehicle is being driven

Easy to Use
- Pluggable HDD drawer, easy to change HDD module
- HDD module support USB interface, easy to backup record

Abundant functions and features
- 4 Channel IP Camera + 4 Channel Analog Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera and PAD
- All mobile networks supported
- Built-in GPS module
- Supports dual SIM card bundle

Dimensions

Units:mm



DSJ-U1

Body Worn Camera

Features

High Level Protection
- IP67, adaptive to various environments
- 2 meters drop protection

Excellent Video Transmission
- KWTP protocol for 3G / 4G / Wi-Fi transmission, improves the video streamcontinuity under unstable network conditions
- H.264 / H.265 video codec, saves up to 50% bandwidth and storage

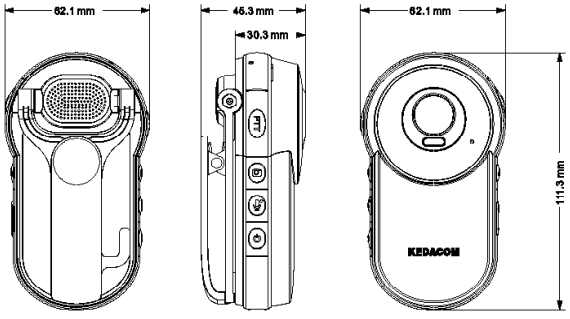
High Quality Image
- Night view with LED and IR
- High definition and smooth picture, 1080p@30fps
- Optional extendable camera types (button, badge, ear-hook)

High Performance
- Qualcomm 8 core processor
- Supports types of 3G / 4G network

Abundant Functions and Features
- 2.2" touchscreen display
- Various shortcut button
- Supports location function by GPS, GLONASS
- Supports external memory
- Supports removable clip

Dimensions

Units:mm



Specifications

	DSJ-U1-W / DSJ-U1-WN	DSJ-U1-LP / DSJ-U1-LPN
System		
Operating System	Deep customized Android OS	
Processor	Qualcomm 8 core 1.5GHz	Qualcomm 8 core 2GHz
Application System	Customized law-enforcing recording software system	
RAM	2GB	3GB
Video		
Compression	H.264	H.264 / H.265
Image Resolution	Main stream: 1080p Secondary stream: D1	Secondary stream: 720p
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps	Secondary stream: 720p@30fps
Bitrate	64Kbps ~ 8Mbps	
Dual-stream	Supported	
Caption	Date and time / Customized	
Watermark	Supported	
Audio		
Compression	G.711a / G.7221c / ADPCM / AACLC	
Coding Rate	32Kbps ~ 64Kbps	
Audio Function	Bi-directional audio / AEC / Dumb / Mute	
Display		
Size	2.2"	
Technology	Visible under the sun	
Touchscreen	Supported	
Camera		
Image Sensor	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS
Focal Length	2.55mm	
Angle of View	Diagonal 150°, Horizontal 110°	Diagonal 150°, Horizontal 110°
Snapshot Resolution	13MP	20MP (upscaled resolution)
Night View	2 white LED, 2 IR LED, 15M Infrared Distance	
Network		
3G	Not supported	WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 EVDO: BC0
4G	Not supported	FDD-LTE: B1 / B3 / B7 TD-LTE: B38 / B39 / B40 / B41
Wi-Fi	802.11 a/b/g/n 2.4G+5GHz	
Bluetooth	Bluetooth 4.0	
NFC	Not supported	Supported
Location Technology	GPS, GLONASS	
Storage		
ROM	16G	32G
External Memory	Micro SD (up to 128G)	
Interface		
Shortcut Button	PTT (optional) , Power on/off, Video recording, Audio recording, Snapshot, Event tag	
SIM	Not supported	1 x Micro SIM slot
USB	1 x Micro USB2.0	
Protection		
Protection Level	IP67	
Drop Protection	2 meters drop	
Battery		
Capacity	2700mAh	
Replaceable	Supported	
Built-in Camera Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6h	3G / 4G (on): Up to 7h Wi-Fi (on) : Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h
External Camera (720p) Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 2.4h Wi-Fi (off): Up to 2.6h	3G / 4G (on): Up to 3.5h Wi-Fi (on) : Up to 3.5h 3G / 4G (off) and Wi-Fi (off): Up to 3.8h
External Camera (1080p) Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h	3G / 4G (on): Up to 3.2h Wi-Fi (on) : Up to 3.2h 3G / 4G (off) and Wi-Fi (off): Up to 3.5h
Environmental		
Operating Temperature	-30°C ~ 70°C / -22°F ~ 158°F	
Mechanical		
Weight	206g / 0.454lb (including battery)	199g / 0.439lb (including battery & clip) 190g / 0.418lb (including battery)
Dimensions	111.3× 62.1 × 30.3mm / 4.38" x 2.44" x 1.19"	
Accessories		
Standard	Power adapter, USB cable, Battery	
Optional	Additional battery, Button / Badge camera, Ear-hook camera	

* All battery claims depend on network configuration and many other factors, actual results will vary

IPC521-F233-N

2.0MP 33x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/3" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@60fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjusts
- 120dB Ultra WDR
- 3D noise reduction / HLC / BLC

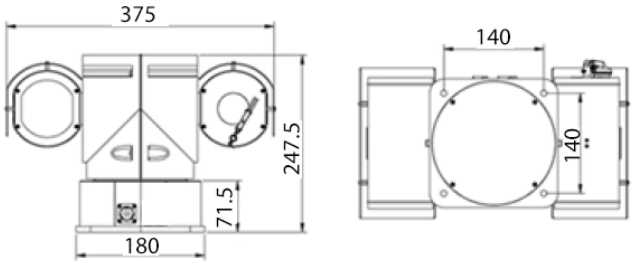
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 33x optical zoom
- IR distance up to 200m

Abundant functions and features
- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Wiper supported
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC521-F233-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, >=120db
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 148.5mm, 33x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.34° (Wide~Tele)
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	8pcs IR LED Array
IR Distance	150 ~ 200m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -85° ~ 85° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s Tilt manual speed: 0.1° ~ 60°/s; Tilt preset speed: 100°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Wiper	Supported
Video	
Compression Format	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	10 Users (include 2 internal access)
Application Program	Onvif (Profile S, Profile G), GB/T 28181-2011, API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	9 ~ 36V DC, wide range voltage input
Power Consumption	Max. 60W (IR on)
Mechanical	
Weight	7Kg / 15.44lb (Gross Weight)
Dimensions	180 × 375 × 247.5mm / 7.09" x 14.77" x 9.75"

IPC521-H120-N

2.0MP 20x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjust
- 3D noise reduction / HLC / BLC

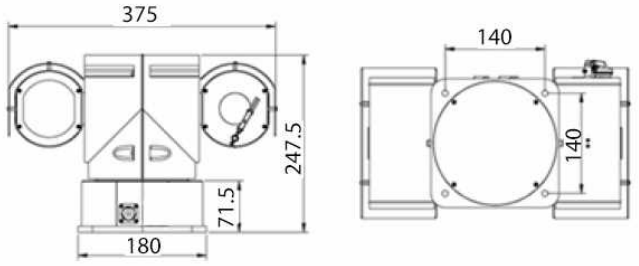
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 20x optical zoom
- IR distance up to 200m

Abundant functions and features
- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Wiper supported
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC521-H120-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.7 ~ 94mm, 20x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	54.1°~ 2.9° (Wide~Tele)
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F3.5 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	8pcs IR LED Array
IR Distance	150 ~ 200m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -85° ~ 85° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s Tilt manual speed: 0.1° ~ 60°/s; Tilt preset speed: 100°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Wiper	Supported
Video	
Compression Format	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	Onvif (Profile S, Profile G), GB/T 28181-2011, API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	9 ~ 36V DC, wide range voltage input
Power Consumption	Max. 60W (IR on)
Mechanical	
Weight	7Kg / 15.44lb (Gross Weight)
Dimensions	180 × 375 × 247.5mm / 7.09" x 14.77" x 9.75"

IPC2241-Gi4NW/Gi4WN-SIR

2.0MP Human Recognitive HD Network Mini IR Semi Dome

2.0MP Sensor Pixel | Starlight | H.265 Encoding | Intelligent | IP66

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.002lux with color picture
- WDR / HLC / 3D noise reduction

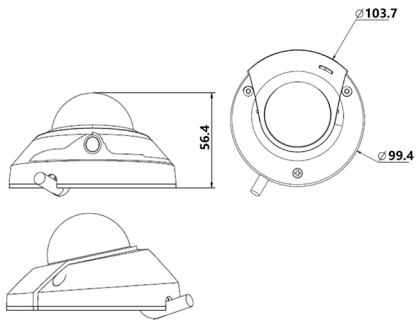
Recognitive Functions
- Up to 36 targets simultaneously
- Target capturing and characters recognizing
- Built-in picture comparison algorithm, best picture selection

Integrated High Efficiency IR
- Industrial IR LED with long operational lifespan
- 15m IR distance
- Smart IR function

Abundant Functions and Features
- Abundant Functions and Features
- Micro SD card slot, supports Automatic Network Replenishment (ANR)
- Bi-directional audio / Built-in Mic / alarm in and out / RS485
- Wi-Fi supported
- 3G / 4G supported (-Gi4WG only)
- Dual-stream (1080p + D1)
- Anti-fog glass
- EN50155
- PoE
- IK10
- IP67

Dimensions

Units:mm



Specifications

	IPC2241-Gi4NW-SIR15	IPC2241-Gi4WG-SIR15
Camera		
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.002lux @ (F2.0, AGC ON) B/W: 0.0002lux @ (F2.0, AGC ON)	
Shutter Speed	1 ~ 1/30,000s	
Day / Night	Auto (ICR) / Color / B/W	
Wide Dynamic Range	Ultra WDR, >=120dB	
S/N Ratio	>58dB	
White Balance	Auto / Manual	
Gain Control	Auto / Manual	
Backlight Compensation	Off / WDR / BLC / HLC	
Lens		
Mount Type	M12	
Focal Length	3.6mm (-L0360) / 6mm (-L0600)	
Angle of View	78.6° (-L0360) / 53.2° (-L0600)	
Adjustment Range	Pan: -45° ~ 45° / Tilt: 0° ~ 90° / Rotation: 0° ~ 360°	
Infrared		
IR Distance	15m	
IR Intensity	Smart IR	
Video		
Compression	Smart H.265 / H.265 / H.264 / MJPEG	
Image Resolution	Main stream: 1080p Secondary stream: D1	
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps	
Bitrate	32kbps ~ 8Mbps	
Bitrate Control	VBR / CBR	
Dual-stream	Supported	
Caption	Date and time / Alarm / Customized	
Privacy Masking	Up to 4 zones	
Motion Detection	Up to 4 zones	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Image Flip	Flip / Mirror	
Audio		
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC	
Bitrate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)	
User Interface	IPC Control (IE, Firefox, Chrome)	
Max. User Access	Max. 10 Users (includes 2 internal)	
Wireless	Wi-Fi	
Wi-Fi	802.11b/g/n 2.4G, Wi-Fi AP	
3G / 4G Frequency Band	/	FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI	
Automatic Network Replenishment (ANR)	Supported	
Recognitive Functions		
Target Detection	Person, Face up to 36 targets simultaneously	
Captured Picture	Person, Face, Full view Built-in picture comparison algorithm, best picture selection	
Target Characters	Direction / Speed level	
Alarm		
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error	
Intelligent	Motion detection	
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm	
Interfaces		
Ethernet	10/100M, RJ45 interface	/
Wi-Fi	Built-in Wi-Fi module	
GPS	Build-in GPS module	
3G / 4G Frequency Band	Build-in 3G / 4G module	
Audio In / Out	1 x Line in / 1 x Line out / 1 x Built-in Mic	
Control	1 x RS485	
Alarm In / Out	2 x Input / 1 x Output	
Memory Slot	Micro SD card slot, supports up to 256GB	
Environmental		
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F	
Operating Humidity	10% ~ 95%	
Protection level	IK10, IP67, EN50155	
Electrical		
Power	12V DC ± 25% / PoE (IEEE802.3af)	
Power Consumption	Max. 14W	
Mechanical		
Weight	0.5 kg / 1.1lb (Gross Weight)	
Dimensions	Φ103.7 × 56.4mm / Φ4.08" x 2.22"	

USBCAM-110

Button Camera

Specifications

	USBCAM-110	USBCAM-120	USBCAM-130-M
Standard			
Interface	Micro USB2.0		
Resolution	720p@30fps	1080p@30fps	
Audio	Built-in Mic		
Lens			
Iris	F2.0		
Focal Length	4.3mm	6.2mm	
Angle of View	Diagonal 88°, Horizontal 74.2°, Vertical 39.8°		
Protection			
Ingress Protection Rating	IP66		
Mechanical			
Weight	24g / 0.053lb		
Dimensions	75.6 × 24.5 × 21.4mm / 2.98" x 0.96" x 0.84"		

Features

Mini Size
- 24g / 0.053lb weight
- 75.6 × 24.5 × 21.4mm / 2.98" x 0.96" x 0.84"

Abundant Functions and Features
- Hidden wear
- Built-in Mic

USBCAM-230

Ear-hook Camera

Specifications

	USBCAM-210	USBCAM-220	USBCAM-230-M
Standard			
Interface	Micro USB2.0		
Resolution	720p@30fps	1080p@30fps	
Audio	Built-in Mic and earphone		
Lens			
Iris	F2.2		
Focal Length	4.9mm		
Angle of View	Diagonal 84°, Horizontal 68°, Vertical 35°		
Protection			
Ingress Protection Rating	IP54 (optional)		
Mechanical			
Weight	33g / 0.073lb		
Dimensions	103 × 75 × 18mm / 4.06" x 2.95" x 0.71"		

Features

Mini Size
- 33g / 0.073lb weight
- 103 × 75 × 18mm / 4.06" x 2.95" x 0.71"

Abundant Functions and Features
- Built-in Mic
- Built-in earphone

IPW200-P1HD

Body Worn Surveillance Phone

Features

High Level Protection
- IP67, adaptive to various environments
- 1.5 meters drop protection

Excellent Video Transmission
- KWTP protocol for 3G / 4G / Wi-Fi transmission, improve the video stream continuity under unstable network conditions
- H.264 high profile video codec, saves up to 30% bandwidth and storage

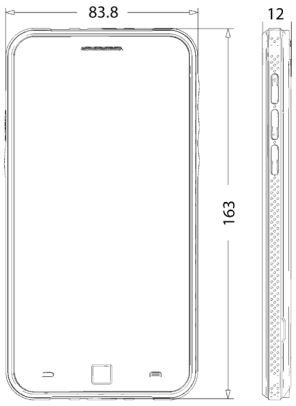
Various Camera
- 13MP main camera + 8MP front camera
- Optional extendable camera types (button, badge, ear-hook)
- Optional DV adaptor, supports HDMI video input

High Performance
- Qualcomm 8 core 1.5GHz processor
- High definition and smooth picture, 1080p@30fps
- Supports all types of mobile network
- Supports dual SIM dual standby

Abundant Functions and Features
- Android 5.0 OS, supports third party app
- 5.5" 1080p HD IPS screen display
- Supports location function by GPS, GLONASS, Beidou

Dimensions

Units:mm



Specifications

	IPW200-P1HD	
System		
Operating System	Android 5.0 64bit OS	
Processor	Qualcomm 8 core 1.5GHz	
RAM	2GB	
Video		
Compression Format	H.264	
Image Resolution	Main stream: 1080p Secondary stream: D1	
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@25fps	
Bitrate	64Kbps ~ 8Mbps	
Dual-stream	Supported	
Caption	Date and time / Customized	
Audio		
Compression	G.711a / G.7221c / ADPCM / AMR	
Coding Rate	12Kbps ~ 64Kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
Display		
Size	5.5"	
Resolution	1920 x 1080	
Technology	IPS screen, visible under the sun	
Touchscreen	5 point touch, supports gloves mode	
Camera		
Main Camera	13MP, Auto focus, Flashlight, Snapshot	
Front Camera	8MP	
Network		
2G	GSM: B2 / B3 / B5 / B8 CDMA: BC0	
3G	WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 EVDO: BC0	
4G	FDD-LTE: B1 / B3 / B7 TD-LTE: B38 / B39 / B40 / B41	
Wi-Fi	802.11 b/g/n 2.4G	
Bluetooth	Bluetooth 4.0	
NFC	Supported	
Location Technology	GPS, GLONASS	
Storage		
ROM	16G	
External Memory	MicroSD (up to 128G)	
Interface		
Shortcut Button	PTT , Alarm	
Audio In / Out	Built-in Mic, Built-in Speaker, 1 x 3.5mm Stereo Earjack	
SIM	2 x Micro SIM slot	
Extension	1 x Private extension interface	
USB	1 x Micro USB2.0	
Protection		
Protection Level	IP67	
Drop Protection	1.5 meters drop	
Battery		
Capacity	4000mAh	
Replaceable	Supported	
Built-in Camera Usage Time (Hours)	4G (on)	Screen on: Up to 5h Screen off: Up to 8h
	Wi-Fi (on)	Screen on: Up to 4h Screen off: Up to 7h
	4G (off) / Wi-Fi (off)	Screen on: Up to 6h Screen off: Up to 10.5h
External Camera (720p) Usage Time (Hours)	4G (on)	Screen on: Up to 2.3h Screen off: Up to 2.8h
	Wi-Fi (on)	Screen on: Up to 2.1h Screen off: Up to 2.5h
	4G (off) / Wi-Fi (off)	Screen on: Up to 2.4h Screen off: Up to 2.9h
External Camera (1080p) Usage Time (Hours)	4G (on)	Screen on: Up to 1.1h Screen off: Up to 1.4h
	Wi-Fi (on)	Screen on: Up to 1h Screen off: Up to 1.3h
	4G (off) / Wi-Fi (off)	Screen on: Up to 1.2h Screen off: Up to 1.4h
Mechanical		
Weight	237.7g / 0.524lb (including battery)	
Dimensions	163 × 83.8 × 12mm / 6.42" x 3.3" x 0.47"	
Accessories		
Standard	Power adapter, USB cable, Battery, Headset	
Optional	Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	

* All battery claims depend on network configuration and many other factors, actual results will vary.

ZCS-KDCA1

Data Docking Station

Features

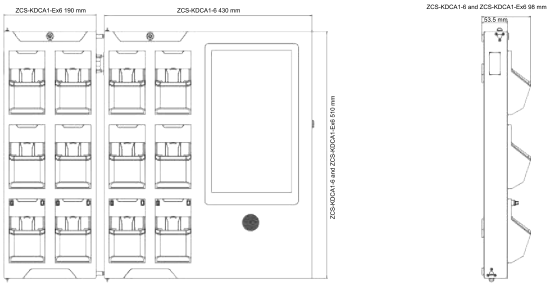
High Performance
- 13.3" color LCD with resolution of 1920 x 1080
- Supports up to 24 units of body worn camera
- Supports up to 24TB storage

Easy to Use
- Wall-mounted and desktop designed, easy to install
- Modular design, easy to upgrade system capacity
- Plug and play, auto charging and data transmission
- Touch screen operation

Abundant Functions and Features
- Record searching and playback
- Auto lock after device pluged in
- Use the password to unlock device
- Priority slot for high speed data transmission
- Built-in battery protection for sudden power-off / shut down

Dimensions

Units:mm



Specifications

	ZCS-KDCA1
System	
Operating System	Windows10
Processor	Intel N3710
Application System	Data Docking Station Management Software
RAM	4GB
User Management	Admin / User
Log Management	User login / User operation / Alarm / Update
Display	
Size	13.3"
Resolution	1920 x 1080
Touch Screen	Supported
Search & Playback	
File Type	Video, Audio, Pic, Log
Search Mode	Duration filter / Tag
Playback Resolution	1 x 1080p@30fp
Functions	Querying, Viewing, Downloading, Removing
Slot	
Default Slot	ZCS-KDCA1-6: 6 Slots by default, supports 6 units of Body Worn Camera Supports up to 3 extended modules (6 slots per module) Applies to DSJ-U1-W, DSJ-U1-L and DSJ-U1-LP ZCS-KDCA1-6N: 6 Slots by default, supports 6 units of Body Worn Camera Supports up to 3 extended modules (6 slots per module) Applies to DSJ-U1-WN, DSJ-U1-LPN
Extended Module	ZCS-KDCA1-EX6: Extended module of ZCS-KDCA1-6, 6 slots per module, supports 6 units of Body Worn Cameras) Applies to DSJ-U1-W, DSJ-U1-L and DSJ-U1-LP ZCS-KDCA1-EX6N: Extended module of ZCS-KDCA1-6N, 6 slots per module, supports 6 units of Body Worn Cameras) Applies to DSJ-U1-WN, DSJ-U1-LPN
Slot Funtions	Battery charging, Data transmission, Lock, Priority slot, Automatic upgrade, Time correction
Data Loading Speed	Full load: up to 4.6MB/s per slot For priority slot: up to 15MB/s
Alarm	
System Alarm Triggers	No disk / Insufficient recording space / Network disconnected
Alarm Events	Buzzer / Alarm text
Storage	
Max. Internal HDDs	3 x 3.5" hard disk drawer (1 x 4TB Hard disk included) Max. 24TB (up to 8TB/each)
RAID	RAID 1
Interfaces	
Ethernet	1 x Gigabite network port, RJ45 interface
Audio Out	Build-in speaker
Point lock	1 x Point lock (Unlock all devices at the same time bye key)
USB	1 x USB 2.0: for extended device 2 x Mini USB: for thirdparty device charging 2 x Micro USB: for thirdparty device charging
Environmental	
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F
Operating Humidity	10% ~ 95%
Electrical	
Power	100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	ZCS-KDCA1-6/6N: Max. 105W ZCS-KDCA1-6/6N + 1 x ZCS-KDCA1-EX6/6N: Max. 135W ZCS-KDCA1-6/6N + 2 x ZCS-KDCA1-EX6/6N: Max. 165W ZCS-KDCA1-6/6N + 3 x ZCS-KDCA1-EX6/6N: Max. 195W
Emergency Power	Built-in battery: 2150mAh
Mechanical	
Weight	ZCS-KDCA1-6/6N: 10.3Kg / 22.7lb (HDD not included) ZCS-KDCA1-EX6/6N: 3.68Kg/8.11lb
Dimensions	ZCS-KDCA1-6/6N: 430 x 510 x 98mm / 16.92" x 20.08" x 3.86" ZCS-KDCA1-EX6/6N: 190 x 510 x 98mm / 7.48" x 20.08" x 3.86"

MA-B

Body Worn Camera Battery Charger

MA-B1

MA-B2

MA-B3

Specifications

	MA-B1	MA-B2	MA-B3
Standard			
Interface	Micro USB2.0	AC input socket	AC input socket
Charger Slot (s)	1	6	6
Charging time	Fully charged within 3 hours		
Environmental			
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F		
Operating Humidity	10% ~ 95%		
Electrical			
Ingress Protection Rating	IP66		100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 6W	Max. 50W	Max. 180W
Electric Current	Max.1.2A (each slot)		
Mechanical			
Weight	97g / 0.21lb	1.3kg / 2.87lb	4kg / 8.82lb
Dimensions	75 × 47 × 24.5mm / 2.96" x 1.86" x 0.97"	230 × 160 × 37mm / 9.06" x 6.30" x 1.46"	630× 230 × 45mm / 24.81" x 6.30" x 1.78"

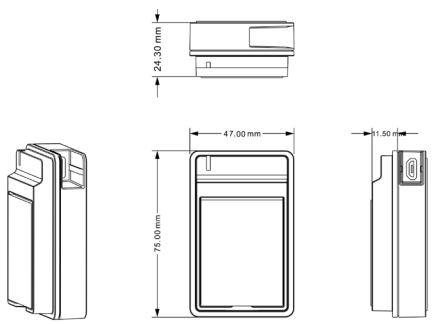
Features

High-efficiency
- Constant current fast charge
- Trickle charge

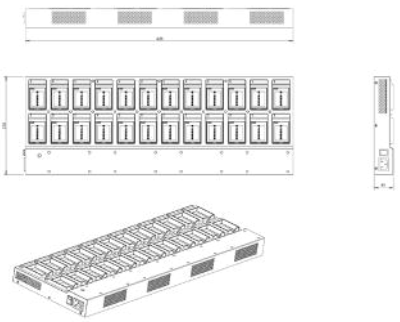
High Reliability
- Overcurrent protection
- Short circuit protection

Dimensions

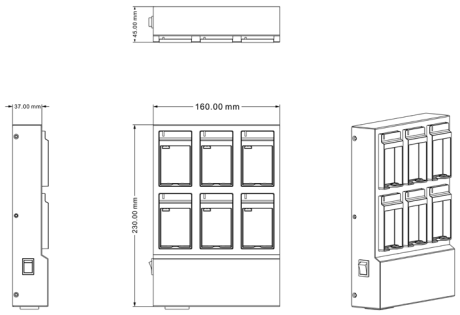
Units:mm



MA-B1



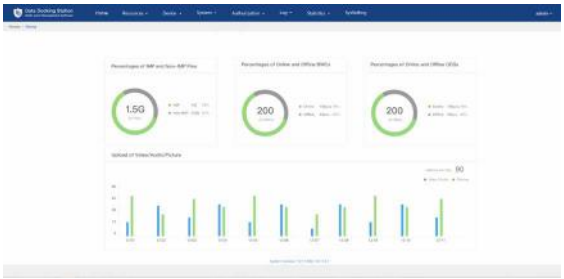
MA-B3



MA-B2

ZFS-KDCA1

Data Docking Station Management Software



Specifications

	ZFS-KDCA1 Data Docking Station Management Software
System Access	
Device Access	up to 10,000 body worn cameras access up to 500 data docking stations access
User Access	up to 50 users
Management Functions	
Device Registering	Kedacom body worn camera, Kedacom data docking station
Resource Access	Video recording, Audio recording, Snapshot, Log
User Management	Admin / User
User Authorization	Layered authorization
Statistics	Dash Board, Graphical statistics
Application Programming	SDK
Browser	Kedacom Chrome
Network	
Network Protocols	TCP/IP, UDP, HTTP, XML, IPv4
User Interface	Web Client
System Requirements	
CPU	Intel i5 4-croe processor 2.0GHz or above
RAM	32GB or above
HDD	Enterprise Class SATA HDD, 1TB, 7200 RPM, 6Gb/s, 64MB cache, or above
Ethernet	1 x Gigabit network port
Operating System	Centos 7.4

Features

Manage The Data Docking Station by PC
- ZFS-KDCA1 can help you manage the data docking station by PC. You can easily access the data docking station and all the body worn cameras, download the recordings and snapshots.

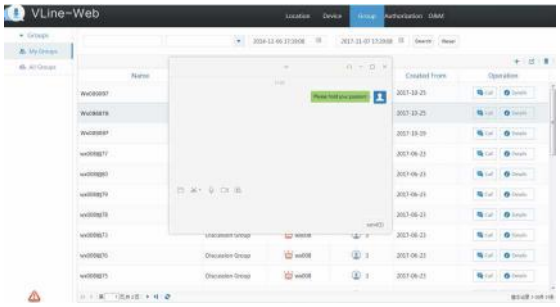
Multiple Device Management
- ZFS-KDCA1 supports multiple device management. The software can manage up to 10,000 body worn cameras and 500 data docking stations. It support gaphical statistics, so you can get and view the operating statistics of all the body worn camera.

High-performance, High-capacity
- Average response for web page loading: ≤ 5s
- Maximum delay for searching response: ≤ 5s

High Security
- Supports layered authorization
- Supports full and accurate user logs

VLine

Communication Kit



Features

Real-time Communication Service
- VLine is a communication Kit for Kedacom portable mobile device (such as body worn camera and body worn surveillance phone). It can provide real-time communication service, such as Push-to-Talk and message chat. VLine supports address book and contacts service, so all the body worn camera and body worn surveillance phone can easily communicate with other devices.

Group Communication
- VLine can build up many groups, each groups can have internal PTT or chat. VLine PC client also can join in the PTT or chat group, In addition, the VLine PC client can support broadcast and bulletin function, so you can send alarm or any message to all the body worn camera and body worn surveillance phone in the same time.

Map Interface
- VLine support map interface by google offline map. You can view all the body worn camera and body worn surveillance phone on the map by real-time position.

Powerful Management Functions
- Authorization of multi-group listening, forcible group joining
- Forcible talking assigned to high-ranking users
- Chat copying, favorites, deletion, forwarding, and history searching

High-performance, High-capacity
- Supports up to 500 client in a group
- Supports up to 50,000 users
- Supports low Message and PTT delay (< 500 ms) on 3G/4G networks
- Supports clear voice processing

Specifications

	VLine Communication Kit
Capacity	
Maximum Number of MSG / PTT Access	Up to 50,000
Basic Functions	
Address book and contacts service	Organization architecture and real-time user status
Group service	Build up groups, supports up to 500 client in a group
Broadcast message and bulletin service	Notifications from the VLine PC Clinet to Body Worn Camera with alerts
Map	Google offline map
User Management	Admin / User
Message Functions	
Chat service	Text, Picture, Short video, Short audio
Push-to-Talk Functions	
P2P	Real-time person-to-person communication service
Group	Real-time group communication service
Network	
Network Protocols	TCP/IP, UDP, HTTP, XML, IPv4
User Interface	VLine PC Client, Kedacom Body Worn Camera, Kedacom Body Worn Surveillance Phone
System Requirements (Hardware)	
CPU	Min. Intel XEON E5, 4 core (20 client access)to Max. 6 x Inter XEON E5, 8 core (50,000 client access)
RAM	Min. 4GB (20 client access)to Max. 6 x 16GB (50,000 client access)
HDD	Min. 1TB (20 client access)to Max. 6 x 1TB (50,000 client access)
System Requirements (Software)	
Supported Operating System	Centos 6.5 64-bit
Database	Oracle 11g / Redis 3.0

IPC522-G230-G

Recognitive 2.0MP 30x Vehicle 4G PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjust
- 3D noise reduction / HLC / BLC

Recognitive Functions
- Up to 5 targets simultaneously
- Target capturing and characters recognizing
- Built-in picture comparison algorithm, best picture selection
-

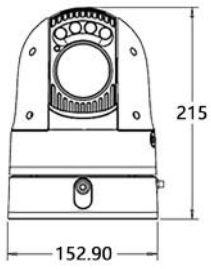
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 30x optical zoom
- IR distance up to 80m

Abundant functions and features
- Built-in Micro SD card, supports Automatic Network Replenishment (ANR)
- Built-in super magnet
- 3G / 4G / Wi-Fi / Blue tooth supported
- Up to 8 hours continuous working with battery in 4G
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC522-G230-G
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.5, AGC ON) B/W: 0.0003lux @ (F1.5, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 135mm, 30x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.77° (Wide~Tele)
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6(Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	4pcs IR LED Array
IR Distance	40 ~ 80m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 30°/s; Pan preset speed: 50°/s Tilt manual speed: 0.1° ~ 30°/s; Tilt preset speed: 50°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Pan scan / Tilt scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	
Compression	H.265 / H.264
Image Resolution	Main stream: 1080p Secondary stream: 720
Frame Rate	Main stream: 1080p@30fps Secondary stream: 720@30fps
Bitrate	64kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 20 Users (includes 2 internal)
Wireless	3G / 4G / Wi-Fi / Blue tooth
3G / 4G Frequency Band	"FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 Customizable network spectrum"
Wi-Fi	802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP
Blue Tooth	BT 4.1
Location Technology	GPS, GLONASS (optional)
Application Programming	Onvif (Profile S, Profile G), API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Recognitive Functions	
Target Detection	Face up to 5 targets simultaneously
Captured Picture	Face, Full view Built-in picture comparison algorithm, best picture selection
Target Characters	Direction / Speed level
Interfaces	
Aviation Port	4-Pin 10/100M interface, 2-Pin Charge interface
Wi-Fi	Built-in Wi-Fi module
GPS	Build-in GPS module
3G / 4G	Build-in 3G / 4G module
Blue Tooth	Bulit-in Blue Tooth module
Memory Slot	Built-in 128G Micro SD card
Environmental	
Operating Temperature	Power supplied by built-in battery : -20°C ~ 60°C / -4°F ~ 140°F Power supplied by DC: -40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	Built-in 13600mAH normal temperature rechargeable lithium battery Up to 8 hours continuous working with battery in 4G 12V DC ± 10%
Power Consumption	Max. 25W (IR and 4G on)
Mechanical	
Magnet	Built-in super magnet
Weight	4kg / 8.82lb (Gross Weight)
Dimensions	Φ215 × 153mm / Φ8.47" x 6.03
Colour	White Customizable Black
Accessories	
Optional	Three-proof Suitcase

* All battery claims depend on network configuration and many other factors, actual results will vary.

IPC522-F230

2.0MP 30x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjust
- 3D noise reduction / HLC / BLC

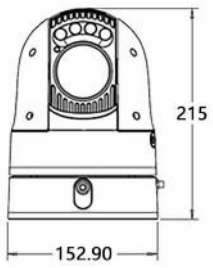
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 30x optical zoom
- IR distance up to 80m

Abundant functions and features
- Built-in Micro SD card, supports Automatic Network Replenishment (ANR)
- Built-in super magnet
- 3G / 4G / Wi-Fi / Blue tooth supported
- Up to 8 hours continuous working with battery in 4G (IPC522-F230-G only)
- Up to 10 hours continuous working with battery in Wi-Fi
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC522-F230
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.5, AGC ON) B/W: 0.0003lux @ (F1.5, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 135mm, 30x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.77° (Wide~Tele)
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6(Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	4pcs IR LED Array
IR Distance	40 ~ 80m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 30°/s; Pan preset speed: 50°/s Tilt manual speed: 0.1° ~ 30°/s; Tilt preset speed: 50°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Pan scan / Tilt scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	
Compression	H.265 / H.264
Image Resolution	Main stream: 1080p Secondary stream: 720
Frame Rate	Main stream: 1080p@30fps Secondary stream: 720@30fps
Bitrate	64kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 20 Users (includes 2 internal)
Wireless	-G / -W: Wi-Fi -G: 3G / 4G / Blue tooth"
3G / 4G Frequency Band	-G: FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 Customizable network spectrum
Wi-Fi	-G: 802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP -W: Wi-Fi station mode only
Blue Tooth	-G: BT 4.1
Location Technology	GPS, GLONASS (optional)
Application Programming	Onvif (Profile S, Profile G), API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Aviation Port	4-Pin 10/100M interface, 2-Pin Charge interface
Wi-Fi	Built-in Wi-Fi module
GPS	-G: Build-in GPS module
3G / 4G	-G: Build-in 3G / 4G module
Blue Tooth	-G: Bulit-in Blue Tooth module
Memory Slot	Built-in 128G Micro SD card
Environmental	
Operating Temperature	Power supplied by built-in battery : -20°C ~ 60°C / -4°F ~ 140°F Power supplied by DC: -40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	Built-in 13600mAH normal temperature rechargeable lithium battery Up to 8 hours continuous working with battery in 4G Up to 10 hours continuous working with battery in Wi-Fi 12V DC ± 10%
Power Consumption	Max. 20W (IR on)
Mechanical	
Magnet	Built-in super magnet
Weight	4kg / 8.82lb (Gross Weight)
Dimensions	Φ215 × 153mm / Φ8.47" x 6.03
Colour	White Customizable Black
Accessories	
Optional	Three-proof Suitcase

* All battery claims depend on network configuration and many other factors, actual results will vary.

SVR2420

Mobile PoE NVR

Features

Excellent Video Transmission
- KWTP protocol for 3G / 4G transmission, improves the video stream continuity underunstable network conditions
- H.265 video codec, saves up to 50% bandwidth and storage

High-performance
- 1 x 4K@30fps video decoding capability
- Up to 12 channel and 4K H.265 supported

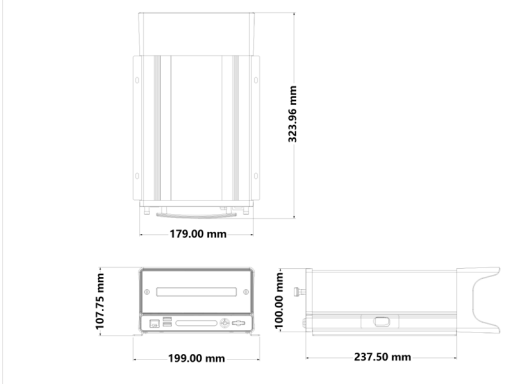
High reliability
- Embedded Linux
- Low power consumption
- Aviation plug design for Ethernet, video, audio, control signal and power supply
- Fan-less design with heat dissipation shell
- Shock-proof design, protects the HDD while vehicle is being driven

Easy to install and Use
- Automatic network organizing
- Built-in DHCP server
- Pluggable HDD drawer, easy to change HDD module
- HDD module supports USB interface, easy to backup record

Abundant functions and features
- Up to 12 IP Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera
- All mobile networks supported
- Supports dual SIM card bundle
- Built-in GPS module

Dimensions

Units:mm



Specifications

	SVR2420-0204A/4P	SVR2420-0208A/8P	SVR2420-0212A/8P
Video/Audio Input			
Camera Input	4 channel	8 channel	12 channel
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression	H.264 / H.265		
Protocols	Onvif, RTSP, KEDACOM		
Bitrate	64kbps ~ 16384kbps		
Incoming Bandwidth	20Mbps	40Mbps	60Mbps
Live Viewing			
Local Display	1 x HDMI, 1 x VGA, 2 x CVBS, simultaneously output same content		
Layout	1, 4, 9, 16		
Function	E-PTZ / Scheme / Polling		
Recording			
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Supported		
Tag	Supported		
Search & Playback			
Search Mode	Date and time (Calendar) / Event		
Resolution	8MP (4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Playback (Client)	up to 16 x 4K@30fps		
Synchronize Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Synchronize Playback (Client)	4 x 4K@30fps		
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ		
Storage			
Max. Internal HDDs	2 x 2.5" HDD Max. 8TB (up to 4TB / each)		
Built-in Storage	-GH: 1 x 1TB HDD		
Audio			
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC / G.726		
Bit rate	32kbps ~ 64kbps		
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting		
Alarm			
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge		
System Alarm Triggers	Device disconnected / No disk / Disk error / IP Address conflict /Network fault / Insufficient recording space / MAC address conflict / Insufficient snapshot space / Unauthorized access		
Alarm Events	Snapshot / Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption / Live view in first window / Link to TV Wall / Full screen viewing		
System			
Operating System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming	CGI		
Network			
Network Protocols	TCP / IP, UDP, HTTP, DHCP, DNS / DDNS, RTP / RTCP, RTSP, PPPoE, FTP, SNTP, VSIP, UPNP, SMTP, IPv4, IPv6 (optional)		
Viewer Software	Web		
Max. User Access	16 Users		
Function	NAT / Socks5 / Multiple network access / Packet loss recovery		
Network Test	Supported		
Wireless	-S: Wi-Fi -G / -GH: Wi-Fi, 3G / 4G		
Number of Simcard Slots	-S: 0 -G / -GH: default 1, up to 2		
3G / 4G Frequency Band	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 TDD-LTE: B38 / B39 / B40 / B41 HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 / BC1 Customizable network spectrum		
Wi-Fi	802.11 b/g/n/a/ac 2.4G / 5G , Wi-Fi AP		
Location Technology	GPS, GLONASS		
Application Programming	Onvif (Profile S, Profile G), API, CGI		
Interfaces			
Ethernet	1 x 10 / 100M, RJ45 interface		
Audio In / Out	1 x Line in / 1 x Mic in / 1 x Line out		
Aviation Plug	2 x 10 pin: 4 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	4 x 10 pin: 8 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	4 x 10 pin: 8 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC
Video Out	1 x HDMI (up to 4K@30Hz) 1 x VGA (up to 1920 x 1080@60Hz) 2 x CVBS (PAL 720 x 576, NTSC 720 x 480)		
PoE Camera Input	4 channel	8 channel	8 channel
Alarm In / Out	8 x Input / 4 x Output		
Antenna	2 x Wi-Fi Antenna interface, 1 x GNSS Antenna interface, 1 x 4G Antenna interface (up to 2)		
Control	1 x RS485, 1 x RS232		
Environmental			
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F		
Operating Humidity	10% ~ 90%		
Electrical			
Power	DC 9 ~ 36V		
Power Consumption	max. 96W		
Mechanical			
Weight	5.6kg / 12.35lb		
Dimensions	280 × 180 × 98mm / 11.02" x 7.09" x 3.86"		
Accessories			
Standard	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)
Optional	HDMI adapter cable (Type-E male to type-A male)		

KDM2410M-V21

Vehicle NVR / Wireless Mobile Encoder

Specifications

	KDM2410M-V21
Camera Input	
IP Camera	4 Channel
Analog Camera	4 Channel
Video	
Compression Format	H.265 / H.264
Resolution	4MP, 1080p, 720p, D1, CIF, QCIF
Dual Stream	Supported
Video Frame Rate	1 ~ 30fps
Bitrate	64Kbps ~ 4Mbps
Audio	
Compression Format	G.711a / G.711u / ADPCM / AMR / G.722.1c / AAC-LC
Bit rate	24Kbps ~ 64Kbps
Audio Function	Bi-directional audio / AEC / Mute / Dumb / Remix
Storage	
HDD	1 x 2.5" hard disk (hard disk drawer), Max. 4TB
Memory Slot	SD slot, supports up to 128GB
Network	
Network Protocol	TCP/IP, ARP, FTP, TELNET, HTTP, RTP/RTCP, SNTP, VSIP, KWTP, IPv4, IPv6 (optional)
Function	NAT / Multiple network access / Packet loss recovery
Wireless	3G (optional) / 4G (optional) / Wi-Fi
3G / 4G Frequency Band	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 TDD-LTE: B38 / B39 / B40 / B41 HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 / BC1
Wi-Fi	802.11b/g/n 2.4G, Wi-Fi AP
Location Technology	GPS, GLONASS (optional), Beidou (optional)
Interfaces	
Ethernet	1 x RJ45, 10Base-T/100Base-TX
Audio In / Out	1 x Mic in, 1 x Mic out
Aviation Plug	4 x 10 pin: 4 x Video input / 4 x Audio input, 4 x DC12V / 1A Output, 4 x RJ45 1 x 4 pin: Power supply for PTZ Camera 1 x 10 pin: Video output 1 x 9 pin: Power input 9 ~ 36V DC
Alarm In / Out	4 x Input / 1 x Output
Control	1 x RS485, 1 x RS232
Antenna	1 x Wi-Fi Antenna interface, 1 x GPS Antenna interface
Extension	3 x Extension module slot (supports 3G / 4G module, GLONASS / Beidou module)
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 85%
Elevation	-60m ~ 5000m
Electrical	
Power	9 ~ 36V DC wide range input 12V DC input
Power Consumption	15W (HDD not included)
Mechanical	
Weight	2.6kg / 5.73lb
Dimension	252 × 188.4 × 60mm / 9.92" x 7.42" x 2.36"
Accessories	
Standard	1 × Wi-Fi Antenna, 1 × GPS Antenna, 7 × Aviation plug connector cable, 1 × USB cable
Optional	3G / 4G Module, Mounting Box, HDD Box, Android Pad

Features

Excellent Video Transmission
- KWTP protocol for 3G / 4G transmission, improves the video stream continuity under unstable network
- H.265 video codec, saves up to 50% bandwidth and storage

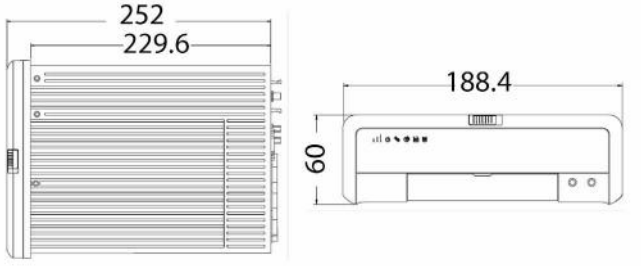
High Reliability
- Embedded Linux
- Low power consumption
- Aviation plug design for Ethernet, video, audio, control signal and power supply
- Fan-less design with heat dissipation shell
- Shock-proof design, protects the HDD while vehicle is being driven

Easy to Use
- Pluggable HDD drawer, easy to change HDD module
- HDD module support USB interface, easy to backup record

Abundant functions and features
- 4 Channel IP Camera + 4 Channel Analog Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera and PAD
- All mobile networks supported
- Built-in GPS module
- Supports dual SIM card bundle

Dimensions

Units:mm



DSJ-U1

Body Worn Camera

Features

High Level Protection
- IP67, adaptive to various environments
- 2 meters drop protection

Excellent Video Transmission
- KWTP protocol for 3G / 4G / Wi-Fi transmission, improves the video streamcontinuity under unstable network conditions
- H.264 / H.265 video codec, saves up to 50% bandwidth and storage

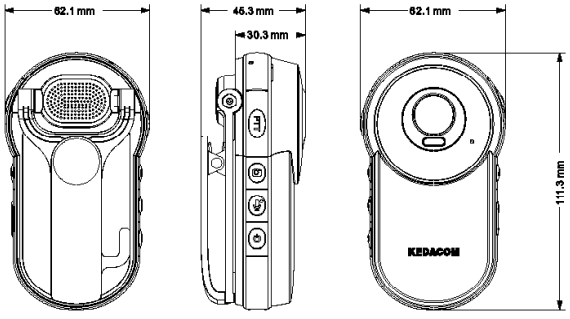
High Quality Image
- Night view with LED and IR
- High definition and smooth picture, 1080p@30fps
- Optional extendable camera types (button, badge, ear-hook)

High Performance
- Qualcomm 8 core processor
- Supports types of 3G / 4G network

Abundant Functions and Features
- 2.2" touchscreen display
- Various shortcut button
- Supports location function by GPS, GLONASS
- Supports external memory
- Supports removable clip

Dimensions

Units:mm



Specifications

	DSJ-U1-W / DSJ-U1-WN	DSJ-U1-LP / DSJ-U1-LPN
System		
Operating System	Deep customized Android OS	
Processor	Qualcomm 8 core 1.5GHz	Qualcomm 8 core 2GHz
Application System	Customized law-enforcing recording software system	
RAM	2GB	3GB
Video		
Compression	H.264	H.264 / H.265
Image Resolution	Main stream: 1080p Secondary stream: D1	Secondary stream: 720p
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps	Secondary stream: 720p@30fps
Bitrate	64Kbps ~ 8Mbps	
Dual-stream	Supported	
Caption	Date and time / Customized	
Watermark	Supported	
Audio		
Compression	G.711a / G.7221c / ADPCM / AACLC	
Coding Rate	32Kbps ~ 64Kbps	
Audio Function	Bi-directional audio / AEC / Dumb / Mute	
Display		
Size	2.2"	
Technology	Visible under the sun	
Touchscreen	Supported	
Camera		
Image Sensor	1/3" progressive scan CMOS	1/2.8" progressive scan CMOS
Focal Length	2.55mm	
Angle of View	Diagonal 150°, Horizontal 110°	Diagonal 150°, Horizontal 110°
Snapshot Resolution	13MP	20MP (upscaled resolution)
Night View	2 white LED, 2 IR LED, 15M Infrared Distance	
Network		
3G	Not supported	WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 EVDO: BC0
4G	Not supported	FDD-LTE: B1 / B3 / B7 TD-LTE: B38 / B39 / B40 / B41
Wi-Fi	802.11 a/b/g/n 2.4G+5GHz	
Bluetooth	Bluetooth 4.0	
NFC	Not supported	Supported
Location Technology	GPS, GLONASS	
Storage		
ROM	16G	32G
External Memory	Micro SD (up to 128G)	
Interface		
Shortcut Button	PTT (optional) , Power on/off, Video recording, Audio recording, Snapshot, Event tag	
SIM	Not supported	1 x Micro SIM slot
USB	1 x Micro USB2.0	
Protection		
Protection Level	IP67	
Drop Protection	2 meters drop	
Battery		
Capacity	2700mAh	
Replaceable	Supported	
Built-in Camera Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6h	3G / 4G (on): Up to 7h Wi-Fi (on) : Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h
External Camera (720p) Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 2.4h Wi-Fi (off): Up to 2.6h	3G / 4G (on): Up to 3.5h Wi-Fi (on) : Up to 3.5h 3G / 4G (off) and Wi-Fi (off): Up to 3.8h
External Camera (1080p) Usage Time (Hours)	3G / 4G Not supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h	3G / 4G (on): Up to 3.2h Wi-Fi (on) : Up to 3.2h 3G / 4G (off) and Wi-Fi (off): Up to 3.5h
Environmental		
Operating Temperature	-30°C ~ 70°C / -22°F ~ 158°F	
Mechanical		
Weight	206g / 0.454lb (including battery)	199g / 0.439lb (including battery & clip) 190g / 0.418lb (including battery)
Dimensions	111.3× 62.1 × 30.3mm / 4.38" x 2.44" x 1.19"	
Accessories		
Standard	Power adapter, USB cable, Battery	
Optional	Additional battery, Button / Badge camera, Ear-hook camera	

* All battery claims depend on network configuration and many other factors, actual results will vary

IPC521-F233-N

2.0MP 33x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/3" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@60fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjusts
- 120dB Ultra WDR
- 3D noise reduction / HLC / BLC

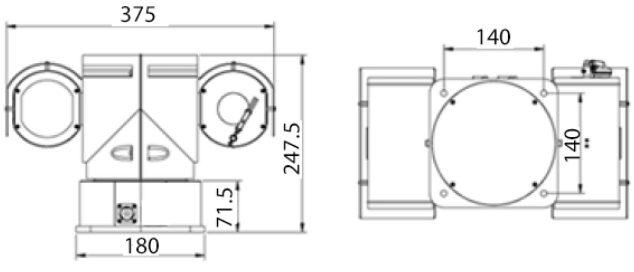
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 33x optical zoom
- IR distance up to 200m

Abundant functions and features
- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Wiper supported
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC521-F233-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, >=120db
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.5 ~ 148.5mm, 33x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	67.8°~ 2.34° (Wide~Tele)
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	8pcs IR LED Array
IR Distance	150 ~ 200m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -85° ~ 85° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s Tilt manual speed: 0.1° ~ 60°/s; Tilt preset speed: 100°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Wiper	Supported
Video	
Compression Format	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	10 Users (include 2 internal access)
Application Program	Onvif (Profile S, Profile G), GB/T 28181-2011, API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	9 ~ 36V DC, wide range voltage input
Power Consumption	Max. 60W (IR on)
Mechanical	
Weight	7Kg / 15.44lb (Gross Weight)
Dimensions	180 × 375 × 247.5mm / 7.09" x 14.77" x 9.75"

IPC521-H120-N

2.0MP 20x Vehicle PTZ Camera

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.003lux with color picture
- IR automatically adjust
- 3D noise reduction / HLC / BLC

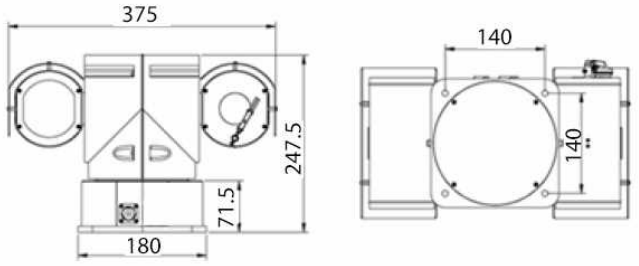
Long Operation Lifespan
- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale
- 20x optical zoom
- IR distance up to 200m

Abundant functions and features
- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Wiper supported
- Vehicle based PT structure

Dimensions

Units:mm



Specifications

	IPC521-H120-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.003lux @ (F1.6, AGC ON) B/W: 0.0003lux @ (F1.6, AGC ON); 0lux with IR
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length	4.7 ~ 94mm, 20x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	54.1°~ 2.9° (Wide~Tele)
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F3.5 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	8pcs IR LED Array
IR Distance	150 ~ 200m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -85° ~ 85° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s Tilt manual speed: 0.1° ~ 60°/s; Tilt preset speed: 100°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	256
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Wiper	Supported
Video	
Compression Format	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption	Date&Time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Flip / Mirror
Network	
Network Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	Onvif (Profile S, Profile G), GB/T 28181-2011, API, CGI
Alarm	
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	
Ethernet	10/100M, RJ45 interface
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	9 ~ 36V DC, wide range voltage input
Power Consumption	Max. 60W (IR on)
Mechanical	
Weight	7Kg / 15.44lb (Gross Weight)
Dimensions	180 × 375 × 247.5mm / 7.09" x 14.77" x 9.75"

IPC2241-Gi4NW/Gi4WN-SIR

2.0MP Human Recognitive HD Network Mini IR Semi Dome

2.0MP Sensor Pixel | Starlight | H.265 Encoding | Intelligent | IP66

Features

Excellent Image Quality
- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1080p@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.002lux with color picture
- WDR / HLC / 3D noise reduction

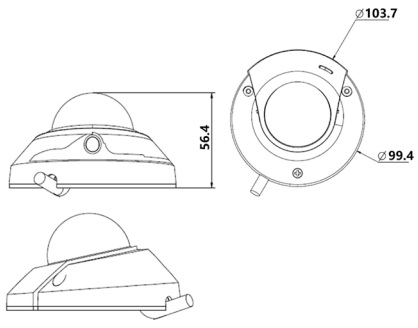
Recognitive Functions
- Up to 36 targets simultaneously
- Target capturing and characters recognizing
- Built-in picture comparison algorithm, best picture selection

Integrated High Efficiency IR
- Industrial IR LED with long operational lifespan
- 15m IR distance
- Smart IR function

Abundant Functions and Features
- Abundant Functions and Features
- Micro SD card slot, supports Automatic Network Replenishment (ANR)
- Bi-directional audio / Built-in Mic / alarm in and out / RS485
- Wi-Fi supported
- 3G / 4G supported (-Gi4WG only)
- Dual-stream (1080p + D1)
- Anti-fog glass
- EN50155
- PoE
- IK10
- IP67

Dimensions

Units:mm



Specifications

	IPC2241-Gi4NW-SIR15	IPC2241-Gi4WG-SIR15
Camera		
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.002lux @ (F2.0, AGC ON) B/W: 0.0002lux @ (F2.0, AGC ON)	
Shutter Speed	1 ~ 1/30,000s	
Day / Night	Auto (ICR) / Color / B/W	
Wide Dynamic Range	Ultra WDR, >=120dB	
S/N Ratio	>58dB	
White Balance	Auto / Manual	
Gain Control	Auto / Manual	
Backlight Compensation	Off / WDR / BLC / HLC	
Lens		
Mount Type	M12	
Focal Length	3.6mm (-L0360) / 6mm (-L0600)	
Angle of View	78.6° (-L0360) / 53.2° (-L0600)	
Adjustment Range	Pan: -45° ~ 45° / Tilt: 0° ~ 90° / Rotation: 0° ~ 360°	
Infrared		
IR Distance	15m	
IR Intensity	Smart IR	
Video		
Compression	Smart H.265 / H.265 / H.264 / MJPEG	
Image Resolution	Main stream: 1080p Secondary stream: D1	
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@30fps	
Bitrate	32kbps ~ 8Mbps	
Bitrate Control	VBR / CBR	
Dual-stream	Supported	
Caption	Date and time / Alarm / Customized	
Privacy Masking	Up to 4 zones	
Motion Detection	Up to 4 zones	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Image Flip	Flip / Mirror	
Audio		
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC	
Bitrate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)	
User Interface	IPC Control (IE, Firefox, Chrome)	
Max. User Access	Max. 10 Users (includes 2 internal)	
Wireless	Wi-Fi	
Wi-Fi	802.11b/g/n 2.4G, Wi-Fi AP	
3G / 4G Frequency Band	/	FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI	
Automatic Network Replenishment (ANR)	Supported	
Recognitive Functions		
Target Detection	Person, Face up to 36 targets simultaneously	
Captured Picture	Person, Face, Full view Built-in picture comparison algorithm, best picture selection	
Target Characters	Direction / Speed level	
Alarm		
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error	
Intelligent	Motion detection	
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm	
Interfaces		
Ethernet	10/100M, RJ45 interface	/
Wi-Fi	Built-in Wi-Fi module	
GPS	Build-in GPS module	
3G / 4G Frequency Band	Build-in 3G / 4G module	
Audio In / Out	1 x Line in / 1 x Line out / 1 x Built-in Mic	
Control	1 x RS485	
Alarm In / Out	2 x Input / 1 x Output	
Memory Slot	Micro SD card slot, supports up to 256GB	
Environmental		
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F	
Operating Humidity	10% ~ 95%	
Protection level	IK10, IP67, EN50155	
Electrical		
Power	12V DC ± 25% / PoE (IEEE802.3af)	
Power Consumption	Max. 14W	
Mechanical		
Weight	0.5 kg / 1.1lb (Gross Weight)	
Dimensions	Φ103.7 × 56.4mm / Φ4.08" x 2.22"	

USBCAM-110

Button Camera

Specifications

	USBCAM-110	USBCAM-120	USBCAM-130-M
Standard			
Interface	Micro USB2.0		
Resolution	720p@30fps	1080p@30fps	
Audio	Built-in Mic		
Lens			
Iris	F2.0		
Focal Length	4.3mm	6.2mm	
Angle of View	Diagonal 88°, Horizontal 74.2°, Vertical 39.8°		
Protection			
Ingress Protection Rating	IP66		
Mechanical			
Weight	24g / 0.053lb		
Dimensions	75.6 × 24.5 × 21.4mm / 2.98" x 0.96" x 0.84"		

Features

Mini Size
- 24g / 0.053lb weight
- 75.6 × 24.5 × 21.4mm / 2.98" x 0.96" x 0.84"

Abundant Functions and Features
- Hidden wear
- Built-in Mic

USBCAM-230

Ear-hook Camera

Specifications

	USBCAM-210	USBCAM-220	USBCAM-230-M
Standard			
Interface	Micro USB2.0		
Resolution	720p@30fps	1080p@30fps	
Audio	Built-in Mic and earphone		
Lens			
Iris	F2.2		
Focal Length	4.9mm		
Angle of View	Diagonal 84°, Horizontal 68°, Vertical 35°		
Protection			
Ingress Protection Rating	IP54 (optional)		
Mechanical			
Weight	33g / 0.073lb		
Dimensions	103 × 75 × 18mm / 4.06" x 2.95" x 0.71"		

Features

Mini Size
- 33g / 0.073lb weight
- 103 × 75 × 18mm / 4.06" x 2.95" x 0.71"

Abundant Functions and Features
- Built-in Mic
- Built-in earphone

IPW200-P1HD

Body Worn Surveillance Phone

Features

High Level Protection
- IP67, adaptive to various environments
- 1.5 meters drop protection

Excellent Video Transmission
- KWTP protocol for 3G / 4G / Wi-Fi transmission, improve the video stream continuity under unstable network conditions
- H.264 high profile video codec, saves up to 30% bandwidth and storage

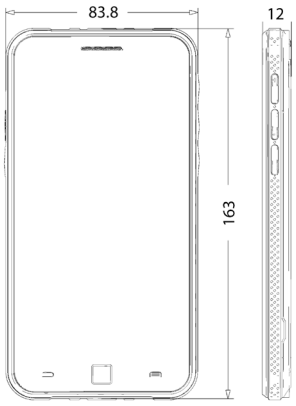
Various Camera
- 13MP main camera + 8MP front camera
- Optional extendable camera types (button, badge, ear-hook)
- Optional DV adaptor, supports HDMI video input

High Performance
- Qualcomm 8 core 1.5GHz processor
- High definition and smooth picture, 1080p@30fps
- Supports all types of mobile network
- Supports dual SIM dual standby

Abundant Functions and Features
- Android 5.0 OS, supports third party app
- 5.5" 1080p HD IPS screen display
- Supports location function by GPS, GLONASS, Beidou

Dimensions

Units:mm



Specifications

	IPW200-P1HD	
System		
Operating System	Android 5.0 64bit OS	
Processor	Qualcomm 8 core 1.5GHz	
RAM	2GB	
Video		
Compression Format	H.264	
Image Resolution	Main stream: 1080p Secondary stream: D1	
Frame Rate	Main stream: 1080p@30fps Secondary stream: D1@25fps	
Bitrate	64Kbps ~ 8Mbps	
Dual-stream	Supported	
Caption	Date and time / Customized	
Audio		
Compression	G.711a / G.7221c / ADPCM / AMR	
Coding Rate	12Kbps ~ 64Kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
Display		
Size	5.5"	
Resolution	1920 x 1080	
Technology	IPS screen, visible under the sun	
Touchscreen	5 point touch, supports gloves mode	
Camera		
Main Camera	13MP, Auto focus, Flashlight, Snapshot	
Front Camera	8MP	
Network		
2G	GSM: B2 / B3 / B5 / B8 CDMA: BC0	
3G	WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B34 / B39 EVDO: BC0	
4G	FDD-LTE: B1 / B3 / B7 TD-LTE: B38 / B39 / B40 / B41	
Wi-Fi	802.11 b/g/n 2.4G	
Bluetooth	Bluetooth 4.0	
NFC	Supported	
Location Technology	GPS, GLONASS	
Storage		
ROM	16G	
External Memory	MicroSD (up to 128G)	
Interface		
Shortcut Button	PTT , Alarm	
Audio In / Out	Built-in Mic, Built-in Speaker, 1 x 3.5mm Stereo Earjack	
SIM	2 x Micro SIM slot	
Extension	1 x Private extension interface	
USB	1 x Micro USB2.0	
Protection		
Protection Level	IP67	
Drop Protection	1.5 meters drop	
Battery		
Capacity	4000mAh	
Replaceable	Supported	
Built-in Camera Usage Time (Hours)	4G (on)	Screen on: Up to 5h Screen off: Up to 8h
	Wi-Fi (on)	Screen on: Up to 4h Screen off: Up to 7h
	4G (off) / Wi-Fi (off)	Screen on: Up to 6h Screen off: Up to 10.5h
External Camera (720p) Usage Time (Hours)	4G (on)	Screen on: Up to 2.3h Screen off: Up to 2.8h
	Wi-Fi (on)	Screen on: Up to 2.1h Screen off: Up to 2.5h
	4G (off) / Wi-Fi (off)	Screen on: Up to 2.4h Screen off: Up to 2.9h
External Camera (1080p) Usage Time (Hours)	4G (on)	Screen on: Up to 1.1h Screen off: Up to 1.4h
	Wi-Fi (on)	Screen on: Up to 1h Screen off: Up to 1.3h
	4G (off) / Wi-Fi (off)	Screen on: Up to 1.2h Screen off: Up to 1.4h
Mechanical		
Weight	237.7g / 0.524lb (including battery)	
Dimensions	163 × 83.8 × 12mm / 6.42" x 3.3" x 0.47"	
Accessories		
Standard	Power adapter, USB cable, Battery, Headset	
Optional	Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	

* All battery claims depend on network configuration and many other factors, actual results will vary.

ZCS-KDCA1

Data Docking Station

Features

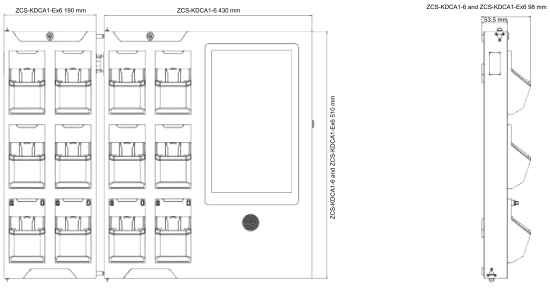
High Performance
- 13.3" color LCD with resolution of 1920 x 1080
- Supports up to 24 units of body worn camera
- Supports up to 24TB storage

Easy to Use
- Wall-mounted and desktop designed, easy to install
- Modular design, easy to upgrade system capacity
- Plug and play, auto charging and data transmission
- Touch screen operation

Abundant Functions and Features
- Record searching and playback
- Auto lock after device pluged in
- Use the password to unlock device
- Priority slot for high speed data transmission
- Built-in battery protection for sudden power-off / shut down

Dimensions

Units:mm



Specifications

	ZCS-KDCA1
System	
Operating System	Windows10
Processor	Intel N3710
Application System	Data Docking Station Management Software
RAM	4GB
User Management	Admin / User
Log Management	User login / User operation / Alarm / Update
Display	
Size	13.3"
Resolution	1920 x 1080
Touch Screen	Supported
Search & Playback	
File Type	Video, Audio, Pic, Log
Search Mode	Duration filter / Tag
Playback Resolution	1 x 1080p@30fp
Functions	Querying, Viewing, Downloading, Removing
Slot	
Default Slot	ZCS-KDCA1-6: 6 Slots by default, supports 6 units of Body Worn Camera Supports up to 3 extended modules (6 slots per module) Applies to DSJ-U1-W, DSJ-U1-L and DSJ-U1-LP ZCS-KDCA1-6N: 6 Slots by default, supports 6 units of Body Worn Camera Supports up to 3 extended modules (6 slots per module) Applies to DSJ-U1-WN, DSJ-U1-LPN
Extended Module	ZCS-KDCA1-EX6: Extended module of ZCS-KDCA1-6, 6 slots per module, supports 6 units of Body Worn Cameras) Applies to DSJ-U1-W, DSJ-U1-L and DSJ-U1-LP ZCS-KDCA1-EX6N: Extended module of ZCS-KDCA1-6N, 6 slots per module, supports 6 units of Body Worn Cameras) Applies to DSJ-U1-WN, DSJ-U1-LPN
Slot Funtions	Battery charging, Data transmission, Lock, Priority slot, Automatic upgrade, Time correction
Data Loading Speed	Full load: up to 4.6MB/s per slot For priority slot: up to 15MB/s
Alarm	
System Alarm Triggers	No disk / Insufficient recording space / Network disconnected
Alarm Events	Buzzer / Alarm text
Storage	
Max. Internal HDDs	3 x 3.5" hard disk drawer (1 x 4TB Hard disk included) Max. 24TB (up to 8TB/each)
RAID	RAID 1
Interfaces	
Ethernet	1 x Gigabite network port, RJ45 interface
Audio Out	Build-in speaker
Point lock	1 x Point lock (Unlock all devices at the same time bye key)
USB	1 x USB 2.0: for extended device 2 x Mini USB: for thirdparty device charging 2 x Micro USB: for thirdparty device charging
Environmental	
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F
Operating Humidity	10% ~ 95%
Electrical	
Power	100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	ZCS-KDCA1-6/6N: Max. 105W ZCS-KDCA1-6/6N + 1 x ZCS-KDCA1-EX6/6N: Max. 135W ZCS-KDCA1-6/6N + 2 x ZCS-KDCA1-EX6/6N: Max. 165W ZCS-KDCA1-6/6N + 3 x ZCS-KDCA1-EX6/6N: Max. 195W
Emergency Power	Built-in battery: 2150mAh
Mechanical	
Weight	ZCS-KDCA1-6/6N: 10.3Kg / 22.7lb (HDD not included) ZCS-KDCA1-EX6/6N: 3.68Kg/8.11lb
Dimensions	ZCS-KDCA1-6/6N: 430 x 510 x 98mm / 16.92" x 20.08" x 3.86" ZCS-KDCA1-EX6/6N: 190 x 510 x 98mm / 7.48" x 20.08" x 3.86"

MA-B

Body Worn Camera Battery Charger

MA-B1

MA-B2

MA-B3

Specifications

	MA-B1	MA-B2	MA-B3
Standard			
Interface	Micro USB2.0	AC input socket	AC input socket
Charger Slot (s)	1	6	6
Charging time	Fully charged within 3 hours		
Environmental			
Operating Temperature	-10°C ~ 55°C / 14°F ~ 131°F		
Operating Humidity	10% ~ 95%		
Electrical			
Ingress Protection Rating	IP66		100 ~ 240V AC, 50 ~ 60Hz
Power Consumption	Max. 6W	Max. 50W	Max. 180W
Electric Current	Max.1.2A (each slot)		
Mechanical			
Weight	97g / 0.21lb	1.3kg / 2.87lb	4kg / 8.82lb
Dimensions	75 × 47 × 24.5mm / 2.96" x 1.86" x 0.97"	230 × 160 × 37mm / 9.06" x 6.30" x 1.46"	630× 230 × 45mm / 24.81" x 6.30" x 1.78"

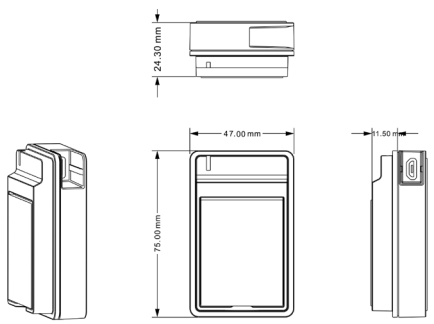
Features

High-efficiency
- Constant current fast charge
- Trickle charge

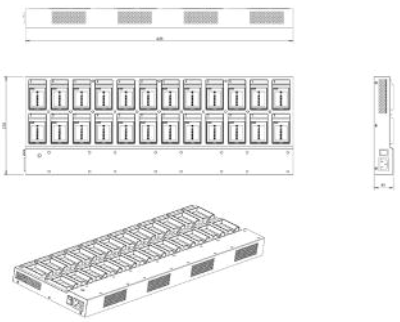
High Reliability
- Overcurrent protection
- Short circuit protection

Dimensions

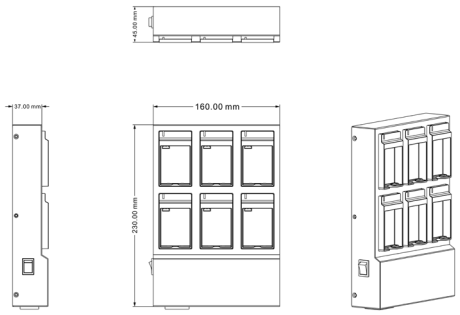
Units:mm



MA-B1



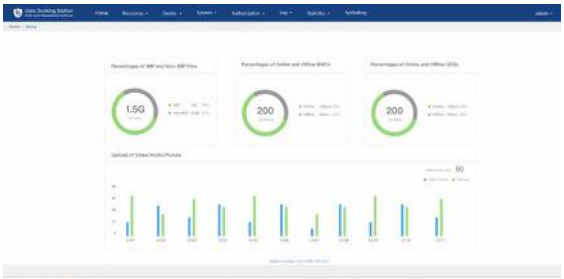
MA-B3



MA-B2

ZFS-KDCA1

Data Docking Station Management Software



Specifications

	ZFS-KDCA1 Data Docking Station Management Software
System Access	
Device Access	up to 10,000 body worn cameras access up to 500 data docking stations access
User Access	up to 50 users
Management Functions	
Device Registering	Kedacom body worn camera, Kedacom data docking station
Resource Access	Video recording, Audio recording, Snapshot, Log
User Management	Admin / User
User Authorization	Layered authorization
Statistics	Dash Board, Graphical statistics
Application Programming	SDK
Browser	Kedacom Chrome
Network	
Network Protocols	TCP/IP, UDP, HTTP, XML, IPv4
User Interface	Web Client
System Requirements	
CPU	Intel i5 4-croe processor 2.0GHz or above
RAM	32GB or above
HDD	Enterprise Class SATA HDD, 1TB, 7200 RPM, 6Gb/s, 64MB cache, or above
Ethernet	1 x Gigabit network port
Operating System	Centos 7.4

Features

Manage The Data Docking Station by PC
- ZFS-KDCA1 can help you manage the data docking station by PC. You can easily access the data docking station and all the body worn cameras, download the recordings and snapshots.

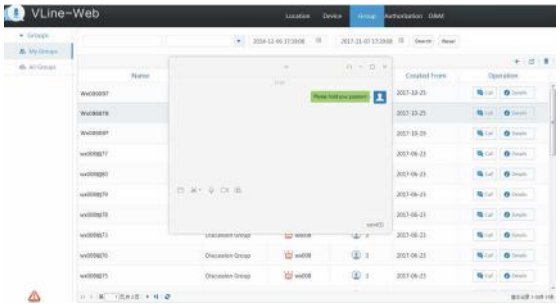
Multiple Device Management
- ZFS-KDCA1 supports multiple device management. The software can manage up to 10,000 body worn cameras and 500 data docking stations. It support gaphical statistics, so you can get and view the operating statistics of all the body worn camera.

High-performance, High-capacity
- Average response for web page loading: ≤ 5s
- Maximum delay for searching response: ≤ 5s

High Security
- Supports layered authorization
- Supports full and accurate user logs

VLine

Communication Kit



Features

Real-time Communication Service
- VLine is a communication Kit for Kedacom portable mobile device (such as body worn camera and body worn surveillance phone). It can provide real-time communication service, such as Push-to-Talk and message chat. VLine supports address book and contacts service, so all the body worn camera and body worn surveillance phone can easily communicate with other devices.

Group Communication
- VLine can build up many groups, each groups can have internal PTT or chat. VLine PC client also can join in the PTT or chat group, In addition, the VLine PC client can support broadcast and bulletin function, so you can send alarm or any message to all the body worn camera and body worn surveillance phone in the same time.

Map Interface
- VLine support map interface by google offline map. You can view all the body worn camera and body worn surveillance phone on the map by real-time position.

Powerful Management Functions
- Authorization of multi-group listening, forcible group joining
- Forcible talking assigned to high-ranking users
- Chat copying, favorites, deletion, forwarding, and history searching

High-performance, High-capacity
- Supports up to 500 client in a group
- Supports up to 50,000 users
- Supports low Message and PTT delay (< 500 ms) on 3G/4G networks
- Supports clear voice processing

Specifications

	VLine Communication Kit
Capacity	
Maximum Number of MSG / PTT Access	Up to 50,000
Basic Functions	
Address book and contacts service	Organization architecture and real-time user status
Group service	Build up groups, supports up to 500 client in a group
Broadcast message and bulletin service	Notifications from the VLine PC Clinet to Body Worn Camera with alerts
Map	Google offline map
User Management	Admin / User
Message Functions	
Chat service	Text, Picture, Short video, Short audio
Push-to-Talk Functions	
P2P	Real-time person-to-person communication service
Group	Real-time group communication service
Network	
Network Protocols	TCP/IP, UDP, HTTP, XML, IPv4
User Interface	VLine PC Client, Kedacom Body Worn Camera, Kedacom Body Worn Surveillance Phone
System Requirements (Hardware)	
CPU	Min. Intel XEON E5, 4 core (20 client access)to Max. 6 x Inter XEON E5, 8 core (50,000 client access)
RAM	Min. 4GB (20 client access)to Max. 6 x 16GB (50,000 client access)
HDD	Min. 1TB (20 client access)to Max. 6 x 1TB (50,000 client access)
System Requirements (Software)	
Supported Operating System	Centos 6.5 64-bit
Database	Oracle 11g / Redis 3.0