

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

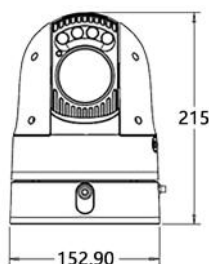
- 30x optical zoom
- IR distance up to 80m

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

| | |
|------------------------------|---|
| Camera | IPC522-G230-G |
| 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 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 | 802.11a/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 |
| Target Characters | Built-in picture comparison algorithm, best picture selection |
| Direction / Speed level | Direction / Speed level |
| Interfaces | |
| Aviation Port | 4-Pin 10/100M interface, 2-Pin Charge interface |
| Wi-Fi | Built-in Wi-Fi module |
| GPS | Built-in GPS module |
| 3G / 4G | Built-in 3G / 4G module |
| Blue Tooth | Built-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 | |
| Built-in 13600mAh | normal temperature rechargeable lithium battery |
| Power | 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

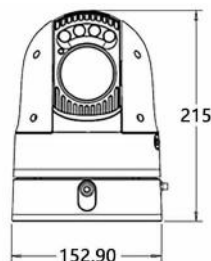
- 30x optical zoom
- IR distance up to 80m

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

| | |
|-------------------------|---|
| Camera | IPC522-F230 |
| 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 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: Built-in GPS module |
| 3G / 4G | -G: Built-in 3G / 4G module |
| Blue Tooth | -G: Built-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" × 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 under unstable 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

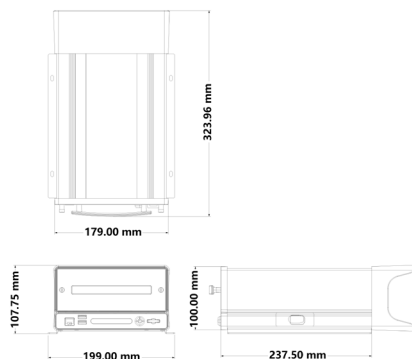
- Automatic network organizing
- Built-in DHCP server
- Pluggable HDD drawer, easy to change HDD module
- HDD module supports USB interface, easy to backup record

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. Internal HDDs | 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, SNMP, VSIP, UPNP, SMTIP, 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 | -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: BCD / 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) | | |
| 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 x 180 x 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



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

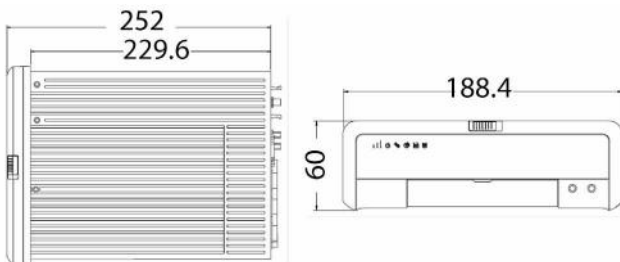
- 4 Channel IP Camera + 4 Channel Analog Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera and PAD
- All mobile networks supported
- Built-in GPS module
- Supports dual SIM card bundle

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 |
| | FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 |
| | TDD-LTE: B38 / B39 / B40 / B41 |
| 3G / 4G Frequency Band | 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 |
| | 4 x 10 pin: 4 x Video input / 4 x Audio input, 4 x DC12V / 1A Output, 4 x RJ45 |
| Aviation Plug | 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 |
| Power Consumption | 12W DC input |
| Mechanical | |
| Weight | 2.6kg / 5.73lb |
| Dimension | 252 x 188.4 x 60mm / 9.92" x 7.42" x 2.36" |
| Accessories | |
| Standard | 1 x Wi-Fi Antenna, 1 x GPS Antenna, 7 x Aviation plug connector cable, 1 x USB cable |
| Optional | 3G / 4G Module, Mounting Box, HDD Box, Android Pad |

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 stream continuity 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

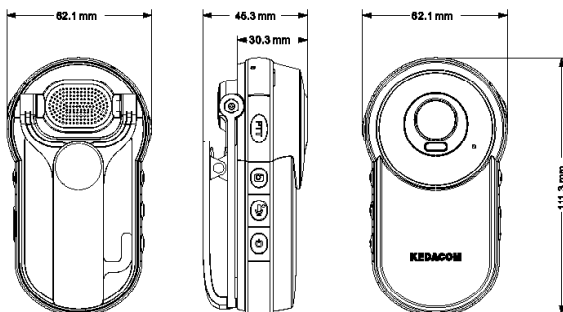
- 2.2" touchscreen display
- Various shortcut button
- Supports location function by GPS, GLONASS
- Supports external memory
- Supports removable clip

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 FDD-LTE: B1 / B3 / B7 TD-LTE: B38 / B39 / B40 / B41 |
| 4G | Not supported | |
| 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 | PTT (optional), Power on/off, Video recording, Audio recording, Snapshot, Event tag | |
| Shortcut Button | Not supported | 1 x Micro SIM slot |
| SIM | Not supported | |
| 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) | 3G / 4G Not supported Wi-Fi (on): Up to 2.4h | 3G / 4G (on): Up to 3.5h Wi-Fi (on): Up to 3.5h |
| Usage Time (Hours) | Wi-Fi (off): Up to 2.6h | 3G / 4G (off) and Wi-Fi (off): Up to 3.8h |
| External Camera (1080p) | 3G / 4G Not supported Wi-Fi (on): Up to 2.2h | 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h |
| Usage Time (Hours) | Wi-Fi (off): Up to 2.5h | 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" × 2.44" × 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 | | |

Dimensions

Units:mm



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

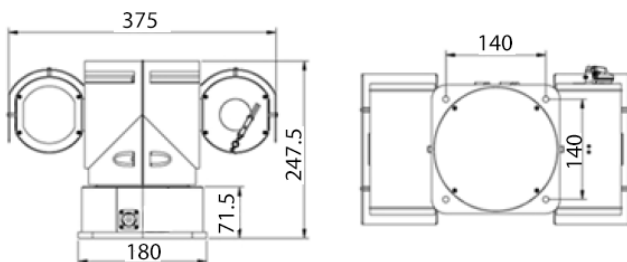
- 33x optical zoom
- IR distance up to 200m

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" × 14.77" × 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

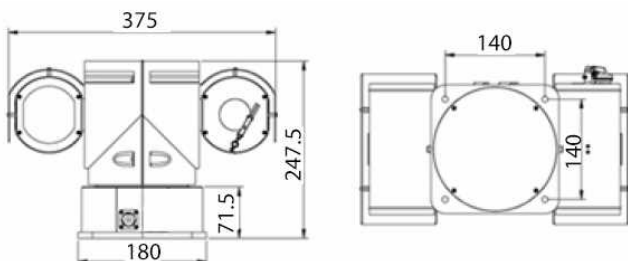
- 20x optical zoom
- IR distance up to 200m

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" × 14.77" × 9.75" |

IPC2241-Gi4NW/Gi4WN-SIR

2.0MP Human Recognitive HD Network Mini IR Semi Dome



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

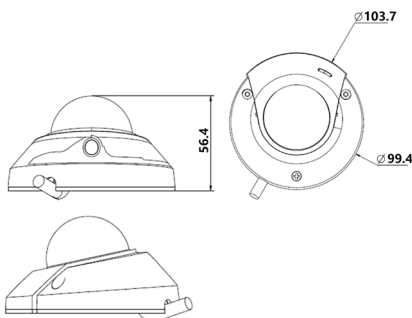
Integrated High Efficiency IR

- 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 | TC/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: BCO |
| 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 | |
| Target Characters | Built-in picture comparison algorithm, best picture selection 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 | Built-in GPS module | |
| 3G / 4G Frequency Band | Built-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 x 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 | | |
| Audio | Built-in Mic | | |
| Lens | | | |
| Iris | F2.0 | | |
| Focal Length | 4.3mm | | |
| 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" × 0.96" × 0.84" | | |

Features

Mini Size

- 24g / 0.053lb weight
- 75.6 × 24.5 × 21.4mm / 2.98" × 0.96" × 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 | | |
| 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" × 2.95" × 0.71" | | |

Features

Mini Size

- 33g / 0.073lb weight
- 103 × 75 × 18mm / 4.06" × 2.95" × 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

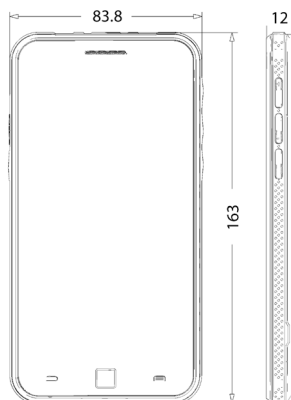
- Qualcomm 8 core 1.5GHz processor
- High definition and smooth picture, 1080p@30fps
- Supports all types of mobile network
- Supports dual SIM dual standby

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 x 83.8 x 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

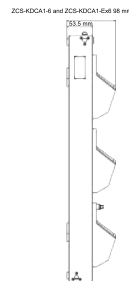
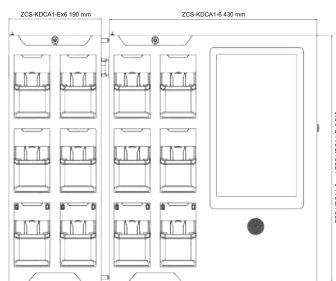
- Record searching and playback
- Auto lock after device plugged in
- Use the password to unlock device
- Priority slot for high speed data transmission
- Built-in battery protection for sudden power-off / shut down

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 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 |
| Extended Module | |
| Slot Functions | 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 Gigabyte network port, RJ45 interface |
| Audio Out | Build-in speaker |
| Point lock | 1 x Point lock (Unlock all devices at the same time by 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 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" |

Dimensions

Units:mm



MA-B

Body Worn Camera Battery Charger



MA-B1



MA-B2



MA-B3

Specifications

| | | | |
|---------------------------|--|--|---|
| Standard | MA-B1 | MA-B2 | MA-B3 |
| 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" × 1.86" × 0.97" | 230 × 160 × 37mm / 9.06" × 6.30" × 1.46" | 630 × 230 × 45mm / 24.81" × 6.30" × 1.78" |

Features

High-efficiency

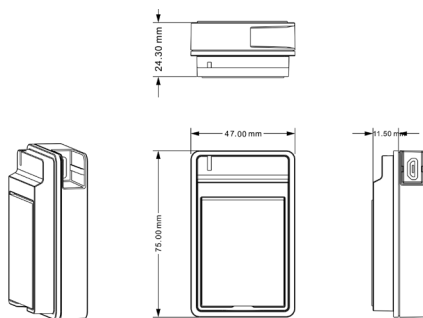
- Constant current fast charge
- Trickle charge

High Reliability

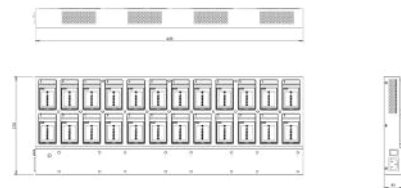
- Overcurrent protection
- Short circuit protection

Dimensions

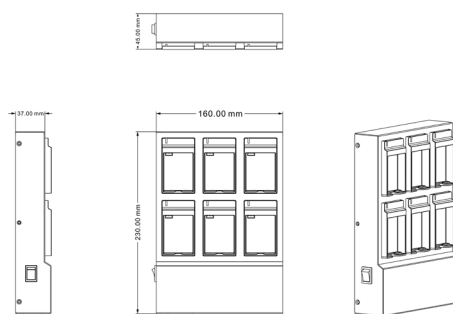
Units:mm



MA-B1



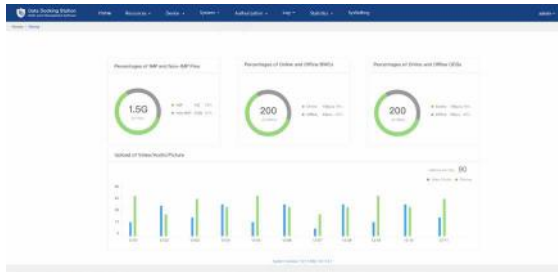
MA-B3



MA-B2

ZFS-KDCA1

Data Docking Station Management Software



Specifications

| | |
|-----------------------------|---|
| System Access | ZFS-KDCA1 Data Docking Station Management Software |
| Device Access | up to 10,000 body worn cameras access |
| User Access | up to 500 data docking stations access |
| User Access | up to 50 users |
| Management Functions | |
| Devices 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-core 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 graphical statistics, so you can get and view the operating statistics of all the body worn camera.

High-performance, High-capacity

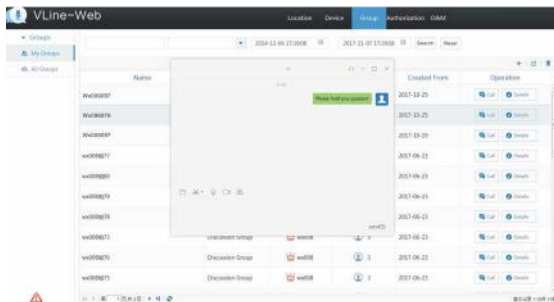
- Average response for web page loading: $\leq 5s$
- Maximum delay for searching response: $\leq 5s$

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 Client 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 |