

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, with stands operation temperatures of -40°C $\sim 70^{\circ}\text{C}$
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

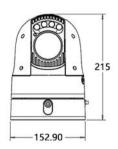
- 30x optical zoom IR distance up to 80m

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



	IPC522-G230-G
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel Color: 0.003lux @ (F1.5, AGC ON)
Min. Illumination	I ~ 1/30,000S
Shutter Speed	
Day / Night Wide Dynamic Range	Auto (ICR) / Color / B/W Digital WDR
S/N Ratio	57dB
White Balance	Auto / Manual Auto / Manual Off / WDR / BLC / HLC
Gain Control Backlight Compensation	Auto / Manual
Lens	OII / WOR / BEC / TIEC
Focal Length	4.5 ~ 135mm, 30x optical
Zoom Speed	Approx 3s (Optical) 67.8°~ 2.77° (Wide~Tele)
Angle of View Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6(Wide) / F4.4 (Tele) Auto / Manual / Semi-Automatic
Focus Control	Auto / Manual / Semi-Automatic
Infrared IR LED	Apcs 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
	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 Preset	Pan / Tilt speed can be adjusted automatically according to zoom multiples 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-on recovery
Power-off Memory Auto Guard	Power-off memory / Power-on recovery Path / Preset / Pan scan / Tilt scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	H 265 / H 264
Compression	H.265 / H.264 Main stream: 1080p
Image Resolution	Secondary stream: 720
Frame Rate	Main stream: 1080p@30fps
Bitrate	Secondary stream: 720@30fps 64kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi Stream	Supported
Caption Privacy Masking	Date and time / Alarm / Direction / Customized Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI Digital Noice Reduction	Supported 2D paics reduction
Digital Noise Reduction Digital Defog	3D noise reduction Supported
Image Flip	Flip / Mirror
Network	TCD/TD LIDD LITTO DUCD DAIC/DDAIC DTD/DTCD DTCD DDDeE ETD VCID LIDED
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	IPC Control (IE, firefox, Chrome) Max. 20 Users (includes 2 internal) 3G / 4G / Wi-Fi / Blue tooth
Wireless	BG / 4G / Wi-Fi / Blue tooth
	"FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41
	WCDMA: B1 / B8
3G / 4G Frequency Band	GSM / GPRS / EDGE: 900 / 1800MHz
. ,	TD-SCDMA: B34 / B39
	EVDO/CDMA: BC0
Wi-Fi	Customizable network spectrum"
Blue Tooth	802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP BT 4.1
Location Technology	BT 4.1 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
0 1 1811	Face, Full view
Captured Picture	Built-in picture comparison algorithm, best picture selection
Target Characters	Direction / Speed level
Interfaces	
Aviation Port Wi-Fi	4-Pin 10/100M interface, 2-Pin Charge interface Built-in Wi-Fi module
GPS	Build-in GPS module
3G / 4G	Build-in 3G / 4G module Bulit-in Blue Tooth module
Blue Tooth Memory Slot	Built-in Blue Tooth module 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% IP66, TVS 6000V lightning protection, surge protection and voltage transient
Protection Level	protection
Electrical	Duilk in 13600mALL normal komponishing or the control likely or better
Power	Built-in 13600mAH normal temperature rechargeable lithium battery Up to 8 hours continuous working with battery in 4G
rowei	12V DC ± 10%
Power Consumption	Max. 25W (IR and 4G on)
Mechanical	
Magnet	Built-in super magnet
Weight Dimensions	4kg / 8.82lb (Gross Weight) 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
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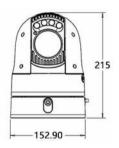
- 30x optical zoom IR distance up to 80m

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 Imago Concor	1/2 9" Progressive Scan CMOS
Image Sensor Pixels	1/2.8" Progressive Scan CMOS 2.0 Megapixel
	Color: 0.003lux @ (F1.5, AGC ON)
Min. Illumination	B/W: 0.0003lux @ (F1.5, AGC ON); 0lux with IR 1 ~ 1/30,000S
Shutter Speed	1 ~ 1/30,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range S/N Ratio	Digital WDR 57dB
White Balance	Auto / Manual
Gain Control	Auto / Manual Auto / Manual Off / WDR / BLC / HLC
Backlight Compensation	Off / WDR / BLC / HLC
Lens	
Focal Length Zoom Speed	4.5 ~ 135mm, 30x optical
Angle of View	Approx 3s (Optical) 67.8°~ 2.77° (Wide~Tele)
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6(Wide) / F4.4 (Tele)
Focus Control	F1.6(Wide) / F4.4 (Tele) Auto / Manual / Semi-Automatic
Infrared	
IR LED IR Distance	4pcs IR LED Array 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
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	rail / Till speed call be adjusted automatically according to zoom multiples
Preset Patrol	256 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	4 Scan paths, each path can record 10 minutes of operation path Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Pan scan / Tilt scan
PT Limit	Manual / Scan / Pan DT7 control with mouse click and drag
BD Positioning /ideo	PTZ control with mouse click and drag
Compression	H.265 / H.264
	Main stream: 1080p
mage Resolution	Secondary stream: 720
rame Rate	Secondary stream: 720 Main stream: 1080p@30fps
	Secondary stream: 720@30fps
Bitrate Bitrate Control	64kbps ~ 16Mbps 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 Digital Noise Reduction	Supported 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)
Jser Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	Max. 20 Users (includes 2 internal) -G / -W: Wi-Fi
Wireless	-G: 3G / 4G / Blue tooth"
	-G:
	FDD-LTE: B1 / B3 / B5 / B8
	TDD-LTE: B38 / B39 / B40 / B41
36 / 46 F	WCDMA: B1 / B8
3G / 4G Frequency Band	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 GPS, GLONASS (optional)
Location Technology Application Programming	Onvif (Profile S, Profile G), API, CGI
Alarm	Ontal (Fronte 3, Fronte 0), Art, Cot
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 GPS	Built-in Wi-Fi module -G: Build-in GPS module
3G / 4G	-G: Build-in GPS module -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% IP66, TVS 6000V lightning protection, surge protection and voltage transient
Protection Level	protection
Electrical	protection
	Built-in 13600mAH normal temperature rechargeable lithium battery
201101	Up to 8 hours continuous working with battery in 4G
Power	Up to 10 hours continuous working with battery in Wi-Fi
	12V DC ± 10%
Power Consumption	Max. 20W (IR on)
Mechanical	BUILT-ID CUDAR MAGNAT
Magnet	Also / 9 93h (Cross Waight)
Mechanical Magnet Weight Dimensions	Built-in super magnet 4kg / 8.82lb (Gross Weight) 0215 x 153mm / 08 47" x 6 03
Magnet Weight Dimensions	Aka / 8.82lb (Gross Weight) Φ215 × 153mm / Φ8.47" x 6.03 White
Magnet Weight	Φ215 × 153mm / Φ8.47" x 6.03 White
Magnet Weight Dimensions	Φ215 × 153mm / Φ8.47" x 6.03



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

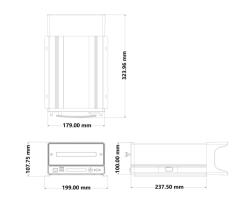
Easy to install and Use

- asy 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

Units:mm **Dimensions**



Video/Audio Input	SVR2420-0204A/4P	SVR2420-0208A/8P	SVR2420-0212A/8P
Camera Input	4 channel	8 channel	12 channel
Resolution Compression	H.264 / H.265	60p, 720p, XGA, SVGA, D1,	CII, QCIF
Protocols	Onvif, RTSP, KEDACOM		
Bitrate Incoming Bandwidth	64kbps ~ 16384kbps	40Mbps	60Mbps
Live Viewing	20Mbps	HUMDPS	DUMDPS
Local Display	1 x HDMI, 1 x VGA, 2 x C	VBS, simultaneously output s	same content
Layout	1, 4, 9, 16 E-PTZ / Scheme / Polling		
Function Recording	E-P1Z / Scheme / Polling		
Resolution	8MP(4K), 1080p, UXGA, 9	60p, 720p, XGA, SVGA, D1,	CIF, QCIF
Mode		hedule / Event (Pre / Post)	
Event Trigger Tag	Supported Supported		
Search & Playback			
Search Mode Resolution	Date and time (Calendar)	/ Event 960p, 720p, XGA, SVGA, D1, p@30fps	CIE OCIE
Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080r	0@30fps	CII, QCII
Playback (Local Monitor) Playback (Client)	up to 16 x 4K@30fps		
Synchronize Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p		
Synchronize Playback (Client)	4 x 4K@30fps		
Function	Slow forward / Fast forward	rd / Loop / Single frame / E-	PTZ
Storage	2 x 2.5" HDD		
Max. Internal HDDs	Max. 8TB (up to 4TB / ea	ch)	
Built-in Storage	-GH: 1 x 1TB HDD	,	
Audio Compression	G 711a / G 711u / ADDCN	1 / G 722 / G 722 1c / AAC-L	^ / G 726
Bit rate	32kbps ~ 64kbps	1 / G.722 / G.722.1c / AAC-L	0, 0.720
Audio Function	Bi-directional audio / Dum	nb / Mute / Broadcasting	
Alarm	Alarm input / Video lost /	Motion detection / Tamperin	g / Guard line / Defocus /
Service Alarm Triggers		ird area / Exit guard area / C	
- **	Gathering / Audio surge		
Ct Al =-:		disk / Disk error / IP Addres	
System Alarm Triggers	Insufficient recording spa- Unauthorized access	ce / MAC address conflict / I	nsumcient snapshot space /
Ale 5		ΓΖ preset / Buzzer / Email / I	ink to Client / Alarm cantio
Alarm Events		/ Link to TV Wall / Full scre	
System Operating System	Embedded Linux		
Operating System User Management	Embedded Linux Admin / User		
Log Management	User login / User operatio	n / Alarm / Backup / Update	
Application Programming	CGI		
Network	TCP / IP, UDP, HTTP, DHC	P, DNS / DDNS, RTP / RTCP,	RTSP, PPPoE, FTP, SNTP.
Network Protocols	VSIP, UPNP, SMTP, IPv4, I		, , , , , , , , , , , , , , , , , , , ,
Viewer Software	Web		
Max. User Access Function	NAT / Socks5 / Multiple p	etwork access / Packet loss r	ecovery
Network Test	Supported		
Wireless	-S: WI-FI		
	-G / -GH: Wi-Fi, 3G / 4G -S: 0		
Number of Simcard Slots		2	
	-G / -GH: default 1, up to FDD-LTE: B1 / B2 / B3 / E	85 / B7 / B8 / B20	
	TDD-LTE: B38 / B39 / B40) / B41	
3G / 4G Frequency Band	HSPA / UMTS: 850 / 900 , GSM / GPRS / EDGE: 850		
50 / 40 Frequency band	TD-SCDMA: B34 / B39	/ 300 / 1000 / 130011112	
	EVDO/CDMA: BC0 / BC1		
	Customizable network spe	ectrum	
Wi-Fi Location Technology	802.11 b/g/n/a/ac 2.4G / GPS, GLONASS	5G , WI-FI AP	
Application Programming	Onvif (Profile S, Profile G)	, API, CGI	
Interfaces			
Ethernet Audio In / Out	1 x 10 / 100M, RJ45 inter 1 x Line in / 1 x Mic in / 1	x Line out	
,	2 x 10 pin: 4 x PoE RJ45	4 x 10 pin: 8 x PoE RJ45	4 x 10 pin: 8 x PoE RJ45
	interface	interface	interface
Aviation Dive		t 1 x 4 pin: 2 x CVBS output	
Aviation Plug	1 x 4 pin: Power supply to PTZ camera	or 1 x 4 pin: Power supply for PTZ camera	PTZ camera
		1 x 9 pin: Power input 9 ~	
	36V DC	36V DC	36V DC
Vidoo Out	1 x HDMI (up to 4K@30H 1 x VGA (up to 1920 x 10	z)	
Video Out	2 x CVBS (PAL 720 x 576,		
PoE Camera Input	4 channel	8 channel	8 channel
Alarm In / Out	8 x Input / 4 x Output		co 1 v 4C Antonno interfe-
Antenna	(up to 2)	ce, 1 x GNSS Antenna interfa	ce, 1 x 40 Antenna interfac
Control	1 x RS485, 1 x RS232		
Environmental		F00F	
Operating Temperature Operating Humidity	-40°C ~ 70°C / -40°F ~ 1 10% ~ 90%	.30°F	
Electrical			
Power Power Consumption	DC 9 ~ 36V max. 96W		
Mechanical			
Weight	5.6kg / 12.35lb	00" 700" 5 55"	
Dimensions Accessories	280 × 180 × 98mm / 11.	u2" x 7.09" x 3.86"	
	1 x Cable Housing	1 x Cable Housing	1 x Cable Housing
ACCESSOTIES		1 x 18 pin Wire Harness	1 x 18 pin Wire Harness
Accessories	1 x 18 pin Wire Harness		Connector
Accessories	1 x 18 pin Wire Harness Connector	Connector	
Accessories	Connector 1 x 20 pin Harness	1 x 20 pin Harness	1 x 20 pin Harness
	Connector 1 x 20 pin Harness Connector	1 x 20 pin Harness Connector	Connector
	Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector	1 x 20 pin Harness Connector or 7 x Aviation plug connecto	Connector r7 x Aviation plug connecto
	Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable	1 x 20 pin Harness Connector or 7 x Aviation plug connecto cable	Connector r7 x Aviation plug connecto cable
Standard	Connector 1 x 20 pin Harness Connector 5 x Aviation plug connectorable 2 x Wi-Fi Antenna	1 x 20 pin Harness Connector or 7 x Aviation plug connecto cable 2 x Wi-Fi Antenna	Connector r7 x Aviation plug connecto cable 2 x Wi-Fi Antenna
	Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable	1 x 20 pin Harness Connector or 7 x Aviation plug connecto cable	Connector r7 x Aviation plug connector cable
	Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable 2 x Wi-Fi Antenna 1 x GNSS Antenna	1 x 20 pin Harness Connector or 7 x Aviation plug connecto cable 2 x Wi-Fi Antenna 1 x GNSS Antenna	Connector r7 x Aviation plug connecto cable 2 x Wi-Fi Antenna 1 x GNSS Antenna



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

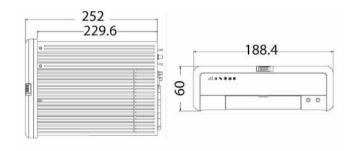
- Easy to Use
 Pluggable HDD drawer, easy to change HDD module
 HDD module support USB interface, easy to backup record

- 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	KDIM2410M-A51
IP Camera	4 Channel
Analog Camera	4 Channel
Video	# Challie
Compression Format	H.265 / H.264
Resolution	4MP, 1080p, 720p, D1, CIF, OCIF
Dual Stream	Supported
Video Frame Rate Bitrate	1 ~ 30fps 64Kbps ~ 4Mbps
Audio	D4KDPS ~ 4MDPS
Compression Format	C 711a / C 711 / ADDCM / AMD / C 722 1a / AAC I C
Bit rate	G.711a / G.711u / ADPCM / AMR / G.722.1c / AAC-LC 24Kbps ~ 64Kbps
Audio Function	Bi-directional audio / AEC / Mute / Dumb / Remix
Storage	pruirectional audio / ALC / Mute / Dumb / Remix
HDD	1 x 2.5" hard disk (hard disk drawer), Max, 4TB
Memory Slot	SD slot, supports up to 128GB
Network	SD Slot, Supports up to 1200B
Network	TCP/IP, ARP, FTP, TELNET, HTTP, RTP/RTCP, SNTP, VSIP, KWTP, IPv4, IPv6
Network Protocol	
Function	(optional)
Wireless	NAT / Multiple network access / Packet loss recovery
vvireless	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
30 / 40 Frequency band	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
	1 x 4 pin: Power supply for PTZ Camera
Aviation Plug	1 x 10 pin: Video output
	1 x 9 pin: Power input 9 ~ 36V DC
Alarm In / Out	
Control	4 x Input / 1 x Output 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	5 x Extension module slot (supports 36 / 46 module, GLONASS / Beldod module)
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 85%
Elevation	-60m ~ 5000m
Electrical	F00III ** 3000III
Licetifedi	9 ~ 36V DC wide range input
Power	12V DC input
Power Consumption	15W (HDD not included)
Mechanical	13W (TIDD Hot Hickadea)
Weight	2.6kg / 5.73lb
Dimension	252 × 188.4 × 60mm / 9.92" x 7.42" x 2.36"
Accessories	EJZ ^ 100.7 ^ 0011111 / 3.3Z A 7.7Z A Z.30
	$1 \times \text{Wi-Fi Antenna}, 1 \times \text{GPS Antenna}, 7 \times \text{Aviation plug connector cable}, 1 \times \text{USB}$
Standard	cable
Optional	3G / 4G Module, Mounting Box, HDD Box, Android Pad
Ориона	po / to module, modificing box, fibb box, Android rad

Units:mm **Dimensions**





DSJ-U1

Body Worn Camera



Features

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

- 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)

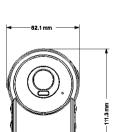
High Performance

- 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

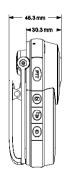
Dimensions



Units:mm







	DO2 114 147 / DO2 114 11/01	DOT 114 1 D / DOT 114 1 DV
Crehem	DSJ-U1-W / DSJ-U1-WN	DSJ-U1-LP / DSJ-U1-LPN
System	Doon austomized Android OC	
Operating System	Deep customized Android OS	0
Processor	Qualcomm 8 core 1.5GHz	Qualcomm 8 core 2GHz
Application System RAM	Customized law-enforcing recording software	
Video	2GB	3GB
	H.264	U 264 / U 265
Compression		H.264 / H.265
Image Resolution	Main stream: 1080p	C
	Secondary stream: D1	Secondary stream: 720p
Frame Rate	Main stream: 1080p@30fps	
D11 1	Secondary stream: D1@30fps	Secondary stream: 720p@30fps
Bitrate	64Kbps ~ 8Mbps	
Dual-stream	Supported	
Caption	Date and time / Customized	
Watermark	Supported	
Audio	C 711- / C 7221- / ADDCM / AACL C	
Compression	G.711a / G.7221c / ADPCM / AACLC	
Coding Rate	32Kbps ~ 64Kbps	
Audio Function	Bi-directional audio / AEC / Dumb / Mute	
Display	L	
Size	2.2"	
Technology	Visible under the sun	
Touchscreen	Supported	
Camera	1	
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 Dist	ance
Network		
		WCDMA: B1 / B2 / B5 / B8
3G	Not supported	TD-SCDMA: B34 / B39
		EVDO: BC0
		FDD-LTE: B1 / B3 / B7
4G	Not supported	TD-LTE: B38 / B39 / B40 / B41
Wi-Fi	802.11 a/b/g/n 2.4G+5GHz	ID-LIL. 030 / 039 / 040 / 041
Bluetooth		
NFC	Bluetooth 4.0	Cunnated
	Not supported	Supported
Location Technology	GPS, GLONASS	
Storage	166	hac
ROM	16G	32G
External Memory	Micro SD (up to 128G)	
Interface	Prese (11 1) Pr	
Shortcut Button	PTT (optional) , Power on/off, Video reco	rding, Audio recording, Snapshot, Event ta
SIM	Not supported	1 x Micro SIM slot
USB		
	1 x Micro USB2.0	
Protection		
Protection Protection Level	IP67	
Protection Protection Level Drop Protection		
Protection Protection Level Drop Protection Battery	IP67 2 meters drop	
Protection Protection Level Drop Protection Battery Capacity	IP67 2 meters drop 2700mAh	
Protection Protection Level Drop Protection Battery Capacity Replaceable	IP67 2 meters drop 2700mAh Supported	
Protection Protection Level Drop Protection Battery Capacity Replaceable	IP67 2 meters drop 2700mAh Supported 367 46 Not supported	3G / 4G (on): Up to 7h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time	IP67 2 meters drop 2700mAh Supported 3G / 4G Not supported Wi-Fi (on): Up to 5.7h	Wi-Fi (on): Up to 7h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours)	IP67 2 meters drop 2700mAh Supported 36 / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera	IP67 2 meters drop 2700mAh Supported 367 / 46 Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36 / 46 Not supported	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 3G / 4G (on): Up to 3.5h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours)	IP67 2 meters drop 2700mAh Supported 36,7 4G Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36,7 4G Not supported Wi-Fi (off): Up to 6h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 3G / 4G (on): Up to 3.5h Wi-Fi (on): Up to 3.5h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera	IP67 2 meters drop 2700mAh Supported 367 / 46 Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36 / 46 Not supported	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 3G / 4G (on): Up to 3.5h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours)	IP67 2 meters drop 2700mAh Supported 36 / 46 Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36 / 46 Not supported Wi-Fi (off): Up to 6h Wi-Fi (off): Up to 2.4h Wi-Fi (off): Up to 2.6h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p)	IP67 2 meters drop 2700mAh Supported 3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off) : Up to 6h 3G / 4G Not supported Wi-Fi (off) : Up to 5.7h Wi-Fi (off) : Up to 2.6h 3G / 4G Not supported Wi-Fi (off) : Up to 2.6h 3G / 4G Not supported	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p)	IP67 2 meters drop 2700mAh Supported 36 (146 Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36 / 46 Not supported Wi-Fi (off): Up to 6h 36 / 46 Not supported Wi-Fi (off): Up to 2.6h Wi-Fi (off): Up to 2.6h 36 / 46 Not supported Wi-Fi (on): Up to 2.2h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours)	IP67 2 meters drop 2700mAh Supported 3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off) : Up to 6h 3G / 4G Not supported Wi-Fi (off) : Up to 5.7h Wi-Fi (off) : Up to 2.6h 3G / 4G Not supported Wi-Fi (off) : Up to 2.6h 3G / 4G Not supported	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Expernal Camera (1080p) Usage Time (Hours) Environmental	IP67 2 meters drop 2700mAh Supported 36 / 4G Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6 h 36 / 4G Not supported Wi-Fi (off): Up to 2.6h 36 / 4G Not supported Wi-Fi (on): Up to 2.6h 36 / 4G Not supported Wi-Fi (on): Up to 2.5h Wi-Fi (off): Up to 2.5h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Environmental Operating Temperature	IP67 2 meters drop 2700mAh Supported 36 (146 Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6h 36 / 46 Not supported Wi-Fi (off): Up to 6h 36 / 46 Not supported Wi-Fi (off): Up to 2.6h Wi-Fi (off): Up to 2.6h 36 / 46 Not supported Wi-Fi (on): Up to 2.2h	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) External Camera Operating Temperature Mechanical	IP67 2 meters drop 2700mAh Supported 3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6h 3G / 4G Not supported Wi-Fi (off): Up to 5.6h 3G / 4G Not supported Wi-Fi (on) : Up to 2.4h Wi-Fi (on) : Up to 2.2h Wi-Fi (onf): Up to 2.2h Wi-Fi (onf): Up to 2.2h Wi-Fi (off): Up to 2.2h	Mi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 3G / 4G (on): Up to 3.5h Wi-Fi (on): Up to 3.5h 3G / 4G (off): Up to 3.5h 3G / 4G (off): Up to 3.2h Wi-Fi (on): Up to 3.2h Mi-Fi (on): Up to 3.2h Mi-Fi (off): Up to 3.5h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Expernal Camera (1080p) Usage Time (Hours) Environmental	IP67 2 meters drop 2700mAh Supported 36 / 4G Not supported Wi-Fi (on): Up to 5.7h Wi-Fi (off): Up to 6 h 36 / 4G Not supported Wi-Fi (off): Up to 2.6h 36 / 4G Not supported Wi-Fi (on): Up to 2.6h 36 / 4G Not supported Wi-Fi (on): Up to 2.5h Wi-Fi (off): Up to 2.5h	Mi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 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 3G / 4G (off) and Wi-Fi (off): Up to 3.5h
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) External Camera (1090p) Usage Time (Hours) External Camera (1090p) Usage Time (Hours) Usage Time (Hours) Environmental Operating Temperature Mechanical Weight	IP67 2 meters drop 2700mAh Supported 36 / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6.7h Wi-Fi (off): Up to 5.4h Wi-Fi (off): Up to 2.6h 36 / 4G Not supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h 36 / 4G Not Supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h -30°C ~ 70°C / -22°F ~ 158°F 206g / 0.454lb (including battery)	Mi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h Wi-Fi (on): Up to 3.2h 199g / 0.439lb (including battery & clip) 199g / 0.418lb (including battery)
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Environmental Operating Temperature Mechanical Weight Dimensions	IP67 2 meters drop 2700mAh Supported 3G / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6h 3G / 4G Not supported Wi-Fi (off): Up to 5.6h 3G / 4G Not supported Wi-Fi (on) : Up to 2.4h Wi-Fi (on) : Up to 2.2h Wi-Fi (onf): Up to 2.2h Wi-Fi (onf): Up to 2.2h Wi-Fi (off): Up to 2.2h	Mi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h Wi-Fi (on): Up to 3.2h 199g / 0.439lb (including battery & clip) 199g / 0.418lb (including battery)
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Environmental Operating Temperature Mechanical Weight Dimensions Accessories	IP67 2 meters drop 2700mAh Supported 36	Mi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (on): Up to 3.2h Wi-Fi (on): Up to 3.2h Wi-Fi (on): Up to 3.2h 199g / 0.439lb (including battery & clip) 199g / 0.418lb (including battery)
Protection Protection Level Drop Protection Battery Capacity Replaceable Built-in Camera Usage Time (Hours) External Camera (720p) Usage Time (Hours) External Camera (1080p) Usage Time (Hours) Environmental Operating Temperature Mechanical Weight Dimensions	IP67 2 meters drop 2700mAh Supported 36 / 4G Not supported Wi-Fi (on) : Up to 5.7h Wi-Fi (off): Up to 6.7h Wi-Fi (off): Up to 5.4h Wi-Fi (off): Up to 2.6h 36 / 4G Not supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h 36 / 4G Not Supported Wi-Fi (on) : Up to 2.2h Wi-Fi (off): Up to 2.5h -30°C ~ 70°C / -22°F ~ 158°F 206g / 0.454lb (including battery)	Wi-Fi (on): Up to 7h 3G / 4G (off) and Wi-Fi (off): Up to 9h 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 3G / 4G (off) and Wi-Fi (off): Up to 3.8h 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 199g / 0.439lb (including battery & clip) 190g / 0.418lb (including battery) x 1.19"



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

- 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

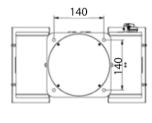
375

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

Dimensions



Units:mm



	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 Lens	Auto / Manual Auto / Manual Off / WDR / BLC / HLC
Focal Length	4.5 ~ 148.5mm, 33x optical
Zoom Speed	Approx 3s (Optical)
	67.8° ~ 2.34° (Wide~Tele)
Angle of View	
Min. Object Distance	300 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.6 (Wide) / F4.4 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	la 70.50 A
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 manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s
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
	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan /
Auto Guard	
DOT 1.1. II	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
Imaga Bacalutian	Main stream: 1080p
Image Resolution	Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps
rranie Rate	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	
ROI	Supported
	Supported 3D paics reduction
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported Suppor
Image Flip	Flip / Mirror
Network	TORKE UPD LITTE BUCK BASCINGUE BTO DEC
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	, sam report / Text overlay / Email House
	10/100M, RJ45 interface
Ethernet Momony Clot	
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	4000 7000 / 4000 15005
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	71/- / 45 4415 / 6 14/-1-1-1-1
Weight	7Kg / 15.44lb (Gross Weight) 180 × 375 × 247.5mm / 7.09" x 14.77" x 9.75"
Dimensions	100 ^ 3/3 ^ 24/.311111 / 7.09 X 14.// X 5./3



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

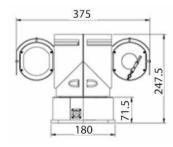
- 20x optical zoom IR distance up to 200m

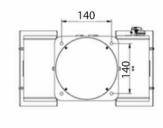
Abundant functions and features

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

Dimensions







	IPC521-H120-N
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Pixels	2.0 Megapixel
	2.0 Megapixel Color: 0.003lux @ (F1.6, AGC ON)
Min. Illumination	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	Auto / Manual Off / WDR / BLC / HLC
Lens	OII / WDR / BLC / TILC
	4.7 - Odmm 20v ontical
Focal Length	4.7 ~ 94mm, 20x optical
Zoom Speed	Approx 3s (Optical) 54.1°~ 2.9° (Wide~Tele)
Angle of View	
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 manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s
Pan / Tilt Speed	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
rower-on Memory	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan /
Auto Guard	
per III ii	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
Transa Danalutian	Main stream: 1080p
Image Resolution	Secondary stream: D1
Forma Data	Main stream: 1080p@30fps
Frame Rate	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 Freezo	Cupported
Video Freeze	Supported
ROI Digital Noice Reduction	Supported 3D paics reduction
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,
INCLINION FIOLOCOI	802.1x, NAT, OoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, firefox, Chrome)
Max. User Access	IPC Control (IE, firefox, Chrome) Max. 10 Users (includes 2 internal)
Application Programming	Onvif (Profile S, Profile G), GB/T 28181-2011, API, CGI
Alarm	5 (1.5 5) 1.5 6) 1 20101 2011, All 1, COI
Alarm Triggers	Network disconnect
Alarm Events	Alarm report / Text overlay / Email notice
Interfaces	Planti report / Text Overlay / Enfail floate
Ethernet	10/100M DIAE interface
	10/100M, RJ45 interface Ruilt in Micro SD card (entional) up to 139CP
Memory Slot	Built-in Micro SD card (optional), up to 128GB
Environmental	400C 700C / 400E 1E00E
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
FIOLECTION LEVEL	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"
	100 · · 5/5 · · E · // 5/11111 / // 05 A I I // A 5// 5



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
- High definition and shoot in picture, Tooppesons with the 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

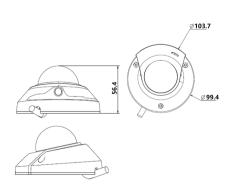
- Industrial IR LED with long operational lifespan
- 15m IR distance
- Smart IR function

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
- IK10

Dimensions Units:mm



Specifications

	IPC2241-Gi4NW-SIR15	IPC2241-Gi4WG-SIR15	
Camera	II CZZ II GIIIWW SIKIS	II CZZ II GIWG SIKIS	
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 Wide Dynamic Range	Auto (ICR) / Color / B/W Ultra WDR, >=120dB		
S/N Ratio	_58dB		
White Balance	>>suc / Manual Auto / Manual Off / WDR / BLC / HLC		
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) Pan: -45° ~ 45° / Tilt: 0° ~ 90° / Rota	1 00 3600	
Adjustment Range Infrared	Pall: -45" ~ 45" / Till: U" ~ 90" / ROLA	1011: 0- ~ 300-	
IR Distance	15m		
IR Intensity	Smart IR		
Video	princi c arc		
Compression	Smart H.265 / H.265 / H.264 / MJPEG		
Image Resolution	Main stream: 1080p		
Illiage Resolution	Secondary stream: D1		
Frame Rate	Main stream: 1080p@30fps		
	Secondary stream: D1@30fps		
Bitrate Control	32kbps ~ 8Mbps		
Bitrate Control Dual-stream	VBR / CBR Supported		
Caption	Date and time / Alarm / Customized		
Privacy Masking	Up to 4 zones		
Motion Detection	Up to 4 zones		
ROI			
Digital Noise Reduction	Supported 3D noise reduction		
Image Flip	Flip / Mirror		
Audio			
Compression	G.711a / G.711u / ADPCM / G.722 / AA	C-LC	
Bitrate Audio Function	32kbps ~ 64kbps	nacondina / Dumb / Muha	
Network	Bi-directional audio / AEC / Mixed audio	recording / Dumb / Mute	
	TCP/TP LIDP HTTP DHCP DNS/DDNS	RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP,	
Network Protocols	802.1x, NAT, QoS, SMTP, IPv4, IPv6 (or		
User Interface	IPC Control (IE, Firefox, Chrome)	donal	
Max. User Access	Max. 10 Users (includes 2 internal)		
Wireless	Wi-Fi		
Wireless Wi-Fi	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP		
Wireless	Wi-Fi	FDD-LTE: B1 / B3 / B5 / B8	
Wireless	Wi-Fi	TDD-LTE: B38 / B39 / B40 / B41	
Wireless Wi-Fi	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8	
Wireless	Wi-Fi	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz	
Wireless Wi-Fi	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39	
Wireless Wi-Fi 3G / 4G Frequency Band	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network	WI-Fi 802.11b/g/n 2.4G, WI-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR)	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR)	WI-FI 802.11b/g/n 2.4G, WI-FI AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 (SM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 (SM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 (SM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Tinggers Intelligent Alarm Events Interfaces	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M. BJ45 interface	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, R345 interface Built-in Wi-Fi module Built-in FS module	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, API, CGI	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernnet Wi-Fi GPS 3G / 4G Frequency Band	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP / ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, built-comparison algorithm, built-comparison algorithm, built-comparison, Face, Full view Built-in Subtraction Alam input / Network disconnect / Dis Motion detection Alam report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module Build-in GPS module	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz ITD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, APT, CGI sest picture selection (s full / Disk error / Snapshot / External output / Email	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module 1 x Line in / 1 x Line out / 1 x Built-in N	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz ITD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, APT, CGI sest picture selection (s full / Disk error / Snapshot / External output / Email	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Repenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm ilio/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module Build-in GPS module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x S4889	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz ITD-SCDMA: B34 / B39 EVDO/CDMA: BC0 1-2011, APT, CGI sest picture selection (s full / Disk error / Snapshot / External output / Email	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memony Slot	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module 1 x Line in / 1 x Line out / 1 x Built-in N	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Iriogers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GFS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in 3G / 4G module I x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Temperature	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, built-in Comparison algorithm, built-in Comparison algorithm, built-in Comparison, Face, Full view Built-in Seed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module Build-in GPS module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 440°C ~ 70°C / -40°F ~ 158°F	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triagers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Memory Slot Environmental Operating Temperature Operating Temperature Operating Temperature Operating Temperature	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in 3G / 4G module 1 x Line in /1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95%	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Intelligent Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Tempeature Operating Humidity Protection level	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, built-in Comparison algorithm, built-in Comparison algorithm, built-in Comparison, Face, Full view Built-in Seed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module Build-in GPS module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 440°C ~ 70°C / -40°F ~ 158°F	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Iriogers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Temperature Operating Temperature Operating Temperature Operating Immidity Protection level Electrical	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in 3G / 4G module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IK10, IP67, ENS0155	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Triggers Intelligent Alarm Events Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Humidity Protection level Electrical Power	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, b Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ4S interface Built-in Wi-Fi module Build-in FS module Build-in 3G / 4G module Li x Line in / 1 x Line out / 1 x Built-in N 1 x RS485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IK10, IP67, ENS0155	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Iriogers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Temperature Operating Temperature Operating Temperature Operating Immidity Protection level Electrical	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in 3G / 4G module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IK10, IP67, ENS0155	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz ITD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Recognitive Functions Target Detection Captured Picture Target Characters Alarm Alarm Irriggers Intelligent Alarm Events Interfaces Ethemet Wi-Fi GFS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Humidity Protection level Electrical Power Consumption	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in 3G / 4G module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x R5485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10% ~ 95% IK10, IP67, ENSD155 12V DC ± 25% / PoE (IEEE802.3af) Max. 14W 0.5 kg / 1.1lb (Gross Weight)	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz ITD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	
Wireless Wi-Fi 3G / 4G Frequency Band Application Programming Automatic Network Replenishment (ANR) Recognitive Functions Target Detection Captured Picture Target Characters Alarm Triggers Intelligent Alarm Events Interfaces Ethernet Wi-Fi GPS 3G / 4G Frequency Band Audio In / Out Control Alarm In / Out Memory Slot Environmental Operating Temperature Operating Humidity Protection level Electrical Power Power Consumption Mechanical	Wi-Fi 802.11b/g/n 2.4G, Wi-Fi AP // ONVIF (Profile S, Profile G), GB/T 2818 Supported Person, Face up to 36 targets simultaneously Person, Face, Full view Built-in picture comparison algorithm, to Direction / Speed level Alarm input / Network disconnect / Dis Motion detection Alarm report / Recording / Text overlay notice / Acoustic alarm 10/100M, RJ45 interface Built-in Wi-Fi module Build-in GPS module Build-in 3G / 4G module 1 x Line in / 1 x Line out / 1 x Built-in N 1 x RS485 2 x Input / 1 x Output Micro SD card slot, supports up to 2560 -40°C ~ 70°C / -40°F ~ 158°F 10°W ~ 95% LINO, IP67, ENSO155 12V DC ± 25% / PoE (IEEE802.3af) Max. 14W	TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVD0/CDMA: BC0 1-2011, API, CGI sest picture selection x full / Disk error / Snapshot / External output / Email /	



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°, Horiz	ontal 74.2°, Vertical 39.8°	
Protection			
Ingress Protection Rating	IP66		
Mechanical			
Weight	24g / 0.053lb		
Dimensions	75.6 × 24.5 × 21.4	mm / 2.98" x 0.96" x 0.84"	

Features -----

- 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°, Vertica	l 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 --

- 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







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



System		IPW200-P1HD	
Processor Qualcomm 8 core 1.5GHz RAM	System	ILMS00-LIUD	
Video Compression Format H. 264 Compression Format Main stream: 1080pp Frame Rate Main stream: 1080pg/30fps Bitrate 64Kbps ~ SMbpps Dual-stream Secondary stream: D1@25fps Bitrate 64Kbps ~ SMbps Dual-stream Supported Coding Rate 12Kbps ~ 64Kbps Audio Function Brain (France) Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Compression G.711a (5.721c / ADPCM / AMR Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Compression G.71a (5.721c / ADPCM / AMR Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Display 5.5 Secondary 15 Resolution Brain (France) Post (Compression) PS Screen, visible under the sun Touchscreen 5 point touch, supported glower the sun Resolution PS Screen, visible under the sun Touchscreen 18MP	Operating System	Android 5.0 64bit OS	
Video Compression Format H. 264 Compression Format Main stream: 1080pp Frame Rate Main stream: 1080pg/30fps Bitrate 64Kbps ~ SMbpps Dual-stream Secondary stream: D1@25fps Bitrate 64Kbps ~ SMbps Dual-stream Supported Coding Rate 12Kbps ~ 64Kbps Audio Function Brain (France) Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Compression G.711a (5.721c / ADPCM / AMR Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Compression G.71a (5.721c / ADPCM / AMR Coding Rate 12Kbps ~ 64kbps Audio Function Brain (France) Display 5.5 Secondary 15 Resolution Brain (France) Post (Compression) PS Screen, visible under the sun Touchscreen 5 point touch, supported glower the sun Resolution PS Screen, visible under the sun Touchscreen 18MP	Processor	Qualcomm 8 core 1.5GHz	
Compression Format		2GB	
Image Resolution		H.264	
Frame Rate Secondary stream: D1@25fps Bitrate GHKbps - Mblps Dual-stream Supported Jupoted Compression G7.11a / G.7221c / ADPCM / AMR Coding Rate Izbps - V Mblps Audio Plate Bit-Incomposition Grown Secondary stream: D1@25fps Stream Supported Jupoted Grown Secondary Stream: D1@25fps Stream Jupoted Bit-Incomposition			
Frame Rate	Image Resolution	Secondary stream: D1	
Secondary stream: D1@25lps	Eramo Bato	Main stream: 1080p@30fps	
Dual-stream		Secondary stream: D1@25fps	
Caption Date and time / Customized Andio G.711 a / G.7221c / ADPCM / AMR Coding Rate 12kbps ~ 64kbps Audio Function Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute Display Special Section Size Section Size Special Section Accessor Mixed Comman Size Mixed Special Section Provided Mixed Size Special Section Victoria Special Section Size Mixed Special Section Provided Special Section Special Section Wi-Fi Special Section Special Section NF		64Kbps ~ 8Mbps	
Audio G.711a / G.7221c / ADPCM / AMR Coding Rate 12Kbps ~ 64Kbps Audio Function Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute Display Sere Size 5.5" Resolution 1920 x 1080 Technology IPS screen, visible under the sun Technology IPS screen, visible under the sun Technology IPS screen, visible under the sun Toucks een 5 point touch, supports gloves mode Main Camera 13MP, Auto focus, Flashlight, Snapshot Front Camera 8MP Network GSM: 82 / 83 / 85 / 88 CG CDMA: BCO WCDMA: B1 / R2 / 85 / 88 GSM: 82 / 83 / 87 / 89 FVD: BCO WCDMA: B34 / 839 FVD: BCO WCDMA: B34 / 839 FVD: BCO FDD-LTE: B1 / 83 / 87 Wi-FI 802.11 bi/gin 2.4G Bluetooth Bluetooth 4.0 NFC NFC Supported Storage MicroSD (up to 128G) Theterace MicroSD (up to 128G) Theterace MicroSD (up to			
Cading Rate		pace and arrier cascornized	
Audio Function		G.711a / G.7221c / ADPCM / AMR	
Display Size 5.5" Resolution 1920 x 1080 Technology IPS screen, visible under the sun Touchscreen 5 point touch, supports glowes mode Camera Main Camera Main Camera SMP Network GSM: B2 / B3 / B5 / B8 2G GCMA: BCO WCDMA: B1 / B2 / B5 / B8 3G TD-SCDMA: B34 / B39 FVOD: BCO FDD-LTE: B1 / B3 / B7 4G TD-LTE: B3 / B39 / B40 / B41 WIFF B02.11 b1/g/n 2.4G Bluetooth Bluetooth 4.0 NFT Storage ROM ROM ROM Info NicroSD (up to 128G) Learnee Storage ROM NicroSD (up to 128G) Learnee Shortout Button Audio In / Out Buill-In MIC, Buill-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 1 x Micro USB2.0		12Kbps ~ 64Kbps	is resourcing / Dumb / Muste
Size		pi-directional audio / ALC / Mixeu audi	o recording / Durito / Mate
1920 x 1080 1920 x 1080 x	Size		
Touchscreen	Resolution		
Camera I3MP, Auto focus, Flashlight, Snapshot Front Camera 8MP Network SSM: B2 / B3 / B5 / B8 2G CDMa: B1 / B2 / B5 / B8 3G TD-SCDMA: B3 / B39 FVDC: BCO FDD-LTE: B1 / B3 / B7 TD-LTE: B3 / B39 / B40 / B41 BUENDOM A: B3 / B4 / B4 Wi-Fi 802.11 b/g/n 2.4G Bluetooth Bluetooth A: CLONASS Storage ROM 16G External Memory BCONASS Storage ROM MicroSD (up to 128G) Interface Solve Button MicroSD (up to 128G) Traction Button 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 1 E7 Battery 4G (on) Screen on: Up to 5h Screen on: Up to 5h Weight 4G (on) Screen		IPS screen, visible under the sun	
Main Camera I3MP, Auto focus, Flashlight, Snapshot Front Camera SMP		5 point touch, supports gloves mode	
Front Camera		13MP, Auto focus, Flashlight, Snapshot	:
2G	Front Camera		
CDMA: BCO	Network	CSM: B2 / B3 / B5 / P0	
WCDMA: B1 / B2 / B5 / B8 TD-SCDMA: B3 / B2 / B3 / B3 TD-SCDMA: B3 / B3 / B3 FD-SCDMA: B3 / B3	2G		
TD-SCDMA: B34 / B39 EVDO: BC0			
EVDO: BCO	36		
AG	30		
Mi-Fi		FDD-LTE: B1 / B3 / B7	
Bluetooth	4G		
Bluetooth	Wi-Fi	802.11 b/g/n 2.4G	
Contain Technology GPS, GLONASS		Bluetooth 4.0	
Storage ROM		Supported GPS GLONASS	
ROM		GF3, GEOTASS	
Interface Shortcut Button	ROM		
Shortcut Button		MicroSD (up to 128G)	
2 x MICO SIM SIM		DTT Alarm	
2 x MICO SIM SIM		Built-in Mic. Built-in Speaker, 1 x 3.5mi	m Stereo Fariack
1 x Micro USB2.0	SIM	Z X MICTO SIM SIOL	
Protection Level IP67 Drop Protection 1.5 meters drop Battery 4000mAh Replaceable Supported Built-in Camera Usage Time (Hours) 4G (on) Screen on: Up to 5h Wi-Fi (on) Screen off: Up to 8h Wi-Fi (on) Screen off: Up to 7h Screen on: Up to 6h Screen off: Up to 10.5h External Camera 4G (on) Screen on: Up to 2.3h External Camera Screen on: Up to 2.3h (720p) Wi-Fi (on) Screen on: Up to 2.1h Usage Time (Hours) 4G (off) / Wi-Fi (off) Screen on: Up to 2.5h Screen on: Up to 2.9h Screen on: Up to 1.4h External Camera (1080p) 4G (on) Screen on: Up to 1.4h Usage Time (Hours) Wi-Fi (on) Screen on: Up to 1.4h Screen on: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen on: Up to 1.4h Wi-Fi (on) Screen on: Up to 1.4h <t< td=""><td>Extension</td><td>1 x Private extension interface</td><td></td></t<>	Extension	1 x Private extension interface	
Protection Level IP67 Drop Protection 1.5 meters drop		I X MICRO USB2.U	
Drop Protection		IP67	
Capacity 4000mAh Replaceable Supported Built-in Camera Usage Time (Hours) 4G (on) Screen on: Up to 5h Built-in Camera Usage Time (Hours) Wi-Fi (on) Screen on: Up to 4h Mo (off) / Wi-Fi (off) Screen off: Up to 10.5h Screen off: Up to 10.5h Screen off: Up to 2.8h External Camera Screen off: Up to 2.8h (720p) Wi-Fi (on) Screen on: Up to 2.1h Usage Time (Hours) 4G (off) / Wi-Fi (off) Screen on: Up to 2.4h Screen on: Up to 2.9h Screen on: Up to 1.1h External Camera (1080p) Mi-Fi (on) Screen on: Up to 1.4h Usage Time (Hours) Wi-Fi (on) Screen on: Up to 1.4h Wi-Fi (on) Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.2h Screen off: Up to 1.2h	Drop Protection	1.5 meters drop	
Supported Supported		4000mm A In	
AG (on) Screen on: Up to 5h	Replaceable		
Built-in Camera Usage Time (Hours)	териссион		Screen on: Up to 5h
Wi-Fi (on) Screen on: Up to 4h			Screen off: Up to 8h
Screen on: Up to 6/h	Built-in Camera Usage Tim	e Wi Fi (op)	Screen on: Up to 4h
AG (off) / Wi-Fi (off) Screen off: Up to 1.0.5h	(Hours)	WITT (UII)	Screen off: Up to 7h
Screen off: Up to 1.0-sh		4G (off) / Wi-Fi (off)	1
External Camera (720p) Usage Time (Hours) Wi-Fi (on) Screen on: Up to 2.8h Wi-Fi (on) Screen on: Up to 2.5h Screen on: Up to 2.4h Screen on: Up to 2.4h Screen on: Up to 2.4h Screen on: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.4h Screen on: Up to 1.4		()//	Screen off: Up to 10.5h
Screen off: Up to 2.8h		4G (on)	
Mi-Fi (on) Screen off: Up to 2.5h Usage Time (Hours) 4G (off) / Wi-Fi (off) Screen on: Up to 2.4h Screen off: Up to 2.9h Screen on: Up to 1.1h Screen on: Up to 1.1h Screen off: Up to 1.4h Wi-Fi (on) Screen off: Up to 1.3h Screen on: Up to 1.1h Screen off: Up to 1.3h Screen on: Up to 1.2h Screen on: Up to 1.2h Mechanical Screen on: Up to 1.2h Weight 237.7g / 0.524lb (including battery) Dimensions 163 × 83.8 × 12mm / 6.42" × 3.3" × 0.47" Accessories Standard Optional Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	External Camera		
Goff Wi-Fi (off) Screen on: Up to 2.4h	(720p)	Wi-Fi (on)	
4G (off) / Wi-Fi (off) Screen off: Up to 2.9h	Usage Time (Hours)		Screen on: Up to 2.511
4G (on) Screen on: Up to 1.1h		4G (off) / Wi-Fi (off)	1
Screen off: Up to 1.4h		10 ()	Screen on: Up to 1.1h
Screen on: Up to 1 h Screen on: Up to 1 h Screen on: Up to 1.4 h Screen on: Up to 1.4 h Screen on: Up to 1.4 h Screen on: Up to 1.2 h Screen on: Up to 1.2 h Screen on: Up to 1.2 h Screen on: Up to 1.4 h Screen on: Up to 1.4 h Screen off: Up to 1.4 h Scre		4G (on)	
Usage Time (Hours) 4G (off) / Wi-Fi (off) Screen on: Up to 1.3h Screen on: Up to 1.2h Screen off: Up to 1.2h Mechanical Weight 237.7g / 0.524lb (including battery) Dimensions 163 × 83.8 × 12mm / 6.42" × 3.3" × 0.47" Accessories Standard Power adapter, USB cable, Battery, Headset Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	External Camera (1080p)	Wi Fi (op)	Screen on: Up to 1h
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 Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	Usage Time (Hours)	WITT (OII)	Screen off: Up to 1.3h
Mechanical Weight 237.7g / 0.524lb (including battery) Dimensions 163 × 83.8 × 12mm / 6.42" × 3.3" × 0.47" Accessories Standard Power adapter, USB cable, Battery, Headset Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor		4G (off) / Wi-Fi (off)	
Weight 237.7 g / 0.524lb (including battery) Dimensions 163 8.8 x 12mm / 6.42" x 3.3" x 0.47" Accessories Standard Power adapter, USB cable, Battery, Headset Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	Machanical	(///	Screen off: Up to 1.4h
Accessories Standard Power adapter, USB cable, Battery, Headset Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor		237 7g / 0 524lh (including battery)	
Accessories Standard Power adapter, USB cable, Battery, Headset Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor		163 × 83.8 × 12mm / 6.42" x 3.3" x 0	1.47"
Optional Additional battery, External battery module, Button / Badge camera, Ear-hook camera, DV adaptor	Accessories		
camera, DV adaptor	Standard	Power adapter, USB cable, Battery, Hea	adset
	Optional		oulie, button / Badge camera, Ear-hook
, a secon, comis depend on neuron configuration and many outer factors, actual results will vary.	* All hattery claims depen		ther factors, actual results will vary
	baccory cidimis depend	and many of	



ZCS-KDCA1

Data Docking Station



Features

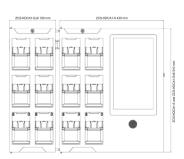
- High Performance
 13.3" color LCD with resolution of 1920 × 1080
 Supports up to 24 units of body worn camera
 Supports up to 24TB storage

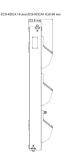
- **Easy to Use** Wall-mounted and desktop designed, easy to install
- Modular design, easy to upgrade system capacity Plug and play, auto charging and data transmission Touch screen operation

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

Units:mm **Dimensions**





	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	3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3
	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
Default Slot	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)
Extended Module	Applies to DSJ-U1-W, DSJ-U1-L and DSJ-U1-LP
Exterided Module	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
	Battery charging, Data transmission, Lock, Priority slot, Automatic upgrade, Time
Slot Funtions	correction
	Full load: up to 4.6MB/s per slot
Data Loading Speed	
Alarm	For priority slot: up to 15MB/s
	No diele / Transfficient respecting energy / Note yould disconnected
System Alarm Triggers	No disk / Insufficient recording space / Network disconnected
Alarm Events	Buzzer / Alarm text
Storage	2 - 2 F// head diele descess (4 - ATP Head diele in chide d)
Max. Internal HDDs	3 x 3.5" hard disk drawer (1 x 4TB Hard disk included)
RAID	Max. 24TB (up to 8TB/each)
	RAID 1
Interfaces	No. Clarkita naturale matt. DIAF interfere
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)
	1 x USB 2.0: for extended device
USB	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
Power Consumption	ZCS-KDCA1-6/6N + 2 x ZCS-KDCA1-EX6/6N: Max. 165W
	ZCS-KDCA1-6/6N + 3 x ZCS-KDCA1-EX6/6N: Max. 195W
Emorgona, Power	
Emergency Power Mechanical	Built-in battery: 2150mAh
меснапісаі	TCC VDCA1 6/6N; 10 3Va / 33 7lb (HDD not included)
Weight	ZCS-KDCA1-6/6N: 10.3Kg / 22.7lb (HDD not included)
Dimensions	
	ZCS-KDCA1-EX6/6N: 190 x 510 x 98mm / 7.48" x 20.08" x 3.86"
	ZCS-KDCA1-EX6/6N: 3.68Kg/8.11lb 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 -----

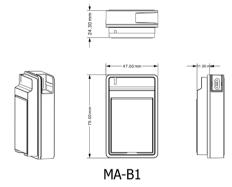
MA-B1	MA-B2	MA-B3
Micro USB2.0	AC input socket	AC input socket
1	6	6
Fully charged within 3 hou	irs	
	1°F	
10% ~ 95%		
IP66		100 ~ 240V AC, 50 ~ 60Hz
	Max. 50W	Max. 180W
Max.1.2A (each slot)		
97g / 0.21lb	1.3kg / 2.87lb	4kg / 8.82lb
75 × 47 × 24.5mm / 2.96	" 230 × 160 × 37mm / 9.06	" 630× 230 × 45mm /
x 1.86" x 0.97"	x 6.30" x 1.46"	24.81" x 6.30" x 1.78"
	-10°C ~ 55°C / 14°F ~ 13 10% ~ 95% IP66 Max. 6W Max.1.2A (each slot) 97g / 0.21lb 75 × 47 × 24.5mm / 2.96	Micro USB2.0

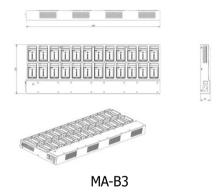
Features --

High-efficiency- Constant current fast charge - Trickle charge

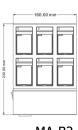
High Reliability Overcurrent protection Short circuit protection

Units:mm **Dimensions**











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

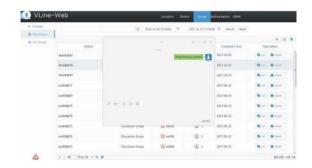
High Security

- 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 /	Up to 50,000	
PTT Access	op to 50,000	
Basic Functions		
Address book and contacts	Organization architecture and real-time user status	
service	J	
Group service	Build up groups, supports up to 500 client in a group	
Broadcast message and	Notifications from the VLine PC Clinet to Body Worn Camera with alerts	
bulletin service Map	Google offline map	
User Management	Admin / User	
Message Functions	Autilit / Osei	
Chat service	Text, Picture, Short video, Short audio	
Push-to-Talk Functions	Toky Fictor of Shore videof Shore addition	
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 (Ha		
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 (So		
Supported Operating System	Centos 6.5 64-bit	
Database	Oracle 11g / Redis 3.0	