

IPC522-F230/G230-G

2.0MP 30x Vehicle PTZ Camera



Specifications

	IPC522-F230-W	IPC522-F230-G
Camera		
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.003lux @ (F1.5, AGC ON) B/W: 0.0003lux @ (F1.5, AGC ON); 0lux with IR	
Shutter Speed	1 ~ 1/30,000s	
Day / Night	Auto (ICR) / Color / B/W	
Wide Dynamic Range	Digital WDR	
S/N Ratio	57dB	
White Balance	Auto / Manual	
Gain Control	Auto / Manual	
Backlight Compensation	Off / WDR / BLC / HLC	
Lens		
Focal Length	4.5 ~ 135mm, 30x optical	
Zoom Speed	Approx. 3s (Optical)	
Angle of View	67.8°~ 2.77° (Wide~Tele)	
Minimum Object	1000 ~ 1500mm (Wide~Tele)	
Max. Aperture Ratio	F1.6 (Wide) / F4.4 (Tele)	
Focus Control	Auto / Manual / Semi-Automatic	
Infrared		
IR LED	4 pcs IR LED Array	
IR Distance	40 ~ 80m	
IR Intensity	Automatically adjust according to zoom ratio	
Pan and Tilt		
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)	
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 30°/s; Pan preset speed: 50°/s Tilt manual speed: 0.1° ~ 30°/s; Tilt preset speed: 50°/s	
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom	
Preset	256	
Patrol	8 Patrols scheme, up to 32 presets per patrol	
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path	
Power-off Memory	Power-off memory / Power-on recovery	
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan	
PT Limit	Manual / Scan / Pan	
3D Positioning	PTZ control with mouse click and drag	
Video		
Compression	H.265 / H.264	
Image Resolution	Main stream: 1080p Secondary stream: 720p	
Frame Rate	Main stream: 1080p@30fps Secondary stream: 720p@30fps	
Bitrate	64kbps ~ 16Mbps	
Bitrate Control	VBR / CBR	
Multi-stream	Supported	
Caption	Date and time / Alarm / Direction / Customized	
Privacy Masking	Up to 4 zones	
Motion Detection	Up to 4 zones	
Video Freeze	Supported	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Digital Defog	Supported	
Image Flip	Flip / Mirror	
Network		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)	
Supported		
User Interface	IPC Control (IE, Firefox, Chrome)	
Max. User Access	Max. 20 users (includes 2 internal)	
Wireless	Wi-Fi	
3G/4G Frequency Band	N/A	3G / 4G / Wi-Fi / Bluetooth FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 WCDMA: B1 / B8 GSM / GPRS / EDGE: 900 / 1800MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 Customizable network spectrum
Wi-Fi	802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP	Wi-Fi station mode only
Bluetooth	N/A	BT4.1
Location Technology	GPS, GLONASS (optional)	
Application Programming	ONVIF (Profile S, Profile G), API, CGI	
Alarm		
Alarm Triggers	Network disconnect	
Alarm Events	Alarm report / Text overlay / Email notice	
Recognitive Functions		
Target Detection	Face, up to 5 targets simultaneously (-G230-G model)	
Captured Picture	Face, Full view Built-in picture comparison algorithm, best picture selection (-G230-G model)	
Interfaces		
Aviation Port	4-Pin 10/100M interface, 2-Pin Charge interface	
WiFi	Built-in WiFi module	
GPS	N/A	Built-in GPS module
3G/4G	N/A	Built-in 3G / 4G module
Bluetooth	N/A	Built-in Bluetooth module
Memory Slot	Built-in 128G Micro SD card	
Environmental		
Operating Temperature	Power supplied by built-in battery: -20°C ~ 60°C / -4°F ~ 140°F Power supplied by DC: -40°C ~ 70°C / -40°F ~ 158°F	
Operating Humidity	10% ~ 95%	
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection	
Electrical		
	Built-in 13600mAh normal temperature rechargeable lithium battery Up to 8 hours continuous working with battery in 4G Up to 10 hours continuous working with battery in Wi-Fi 12V DC ± 10%	
Power Consumption	Max. 20W (IR on)	
Mechanical		
Magnet	Built-in super magnet	
Weight	4kg / 8.82lb (Gross Weight)	
Dimensions	Φ215 × 153mm / Φ8.47" × 6.03"	
Color	White, Customizable Black	
Accessories		
Optional	Three-proof Suitcase	
* All battery claims depend on network configuration and many other factors, actual results will vary.		

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 adjusts
3D noise reduction / HLC / BLC

Recognitive Functions

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

Long Operation Lifespan

Industrial components, withstands operational temperatures between -40°C ~ 70°C
IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

30x optical zoom
IR distance up to 80m

Abundant Functions and Features

Built-in Micro SD card, supports Automatic Network Replenishment (ANR)
Built-in super magnet
3G / 4G / Wi-Fi / Bluetooth 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

