

4G Smart Portable Speed Dome

1. Product features:

- Remote real-time monitoring, two-way voice intercom
- 360 degree omnidirectional pan tilt, 30X optical zoom, 12X digital zoom, maximum 80 meters infrared night vision distance
- 4G all network communication, compatible with 1.4g special network
- Star level 2 million movement with resolution up to 1080p
- Android intelligent platform
- Integrated structural design, protection grade IP66
- Magnetic composite suction cup design, built-in large capacity battery, simple deployment
- TF card storage, supporting 256GB

2. Basic information:

Classification	Description
Product name	4G Smart Portable Speed Dome
Product model	BX1
Target customer	Government law enforcement system departments (industry and commerce, transport, customs, etc.)
Usage scenario	4G Smart Portable Speed Dome is a comprehensive and portable wireless video emergency command integrated product, which provides users with high-definition, smooth and stable video effects, and can realize positioning, emergency, video, PTZ operation, two-way intercom and other functions. It is a complete set of emergency command equipment for emergencies, providing technical support for the realization of "smooth communication, timely on-site, complete data and in place command" of emergency command. It can be widely used in emergency command, public security, criminal investigation, traffic patrol, fire control, civil air defense emergency, border defense, urban management, electric power, road administration and other fields. ;

3. Product specification description:

NO.	Item	Description	
01	Hardware information	Main processor	Qualcomm MSM8953
		Memory	16G eMMC + 2GB
		Crypto module	Built in intelligent security encryption chip, support SM1, SM2, SM3, SM4 and other national security algorithms; support 3DES, RSA, SHA-1 and other commonly used international cryptographic algorithms
02	Reliability	IP grade	Comply with IP66 protection level requirement in GB4208-2008
		Environment	Suitable for working environment of - 20 °C to 60 °C and humidity less than 99%
03	Structure	Dimension	160mm×248mm(excluding external equipment)
		Weight	2.5KG(excluding external equipment)

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		Key	1 key (switch on / off and network mode switching)
04	Camera	Image sensor	1/2.8" 2MP Progressive scan starlight CMOS
		Effective pixels	2MP
		Min.illumination	Color: 0.05Lux, B/W: 0.003Lux (F1.6)
		Resolution	≥1000TVL
		S/N	> 52dB
05	Lens	Focal distance	3.6 -118mm 30X optical, 12x digital zoom
		Field angle	about 55.8° (W)*- 3.2° (T)
		M.O.D.	Wide 20mm, Tele 1m
		Focus control	Auto/Manual
06	Function	Pan	360° Continuous rotation, 120° /s
		Tilt	-30° -90° rotation, 100° /s
		Cruise	4 group
		Preset	255
07	Audio	Compression	AAC/ADPCM/G711)
		Mic	High sensitive pickup, acquisition range of 100 m*m
		Talkback	Support (with Bluetooth headset or hand)
08	IR	IR distance	80 m (850nm)
		IR Leds	Far light: 2 laser lamps; near-infrared: 2 infrared.
09	Communication	Private network	Private network 1.4G/1.8G
		Public network	supports the all network communication network, Dual card, dual standby, no network automatic switching, built-in antenna
		WIFI	Supports 802.1b/g/n; supports AP, and can be operated with mobile phone and tablet
		BT	Bluetooth 4.0
		GPS	Built in Beidou / GPS
		USB	Type-C Debug interface
10	Video	Maximum resolution	1920*1080
		Frame rate	1080 25fps
		Compression	H.264
		Network protocol	TCP/IP,HTTP,DHCP,DNS,RTP/RTCP,RTSP,PPPOE
11	AI	License plate	License plate recognition, vehicle violation identification (solid line lane change, violation of parking, occupation of emergency lane, etc.)
		Face	Local face recognition, database comparison
12	General	One button	One key switch 4G / private network / WiFi

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		application	
		Expand	RS232 serial port is reserved for external temperature and humidity sensors, radar and other sensors
		Power	Built in 13.4AH lithium battery, lasting for 11 hours Support DC9-36v voltage input, equipped with charger 12V 5A
		Power consumption	Normal 15W / 25W full load
		Installation	Composite magnetic suction cup and fixed bracket
		Options	SONY high end tripod, chassis, Bluetooth headset, keyboard with screen
13	Memory	SD card	Support TF card, maximum capacity support 256GB, automatic over-write
14	Sensor	Sensor	Gyroscope, G-sensor
15	Security chip	Encryption	Support for xindajie encryption chip; support for NARI tfcard encryption
16	Development	SDK	Provide the underlying SDK development package and support
17	Operating system		Intelligent Android platform, supporting multiple intelligent algorithms, Android 7.0 and above

4.Key performance

NO.	Key performance	Description
1	Startup time	Start up less than 20s when fully shut down
2	Audio effect	Talkback is clear without echo.
3	Other properties	Comply with CH enterprise standard

5.Picture

