

HIP



DVR Mobile CM12

WIFI Camera with GPS and
1296P super full HD video quality
Memory built in 64GB
PTT function
Can work with Car mobile dvr (4G/3G)

Police body worn wifi mini camera with GPS and Compatible with 3G/4G recorder DVR

ข้อมูลพื้นฐานการทำงาน

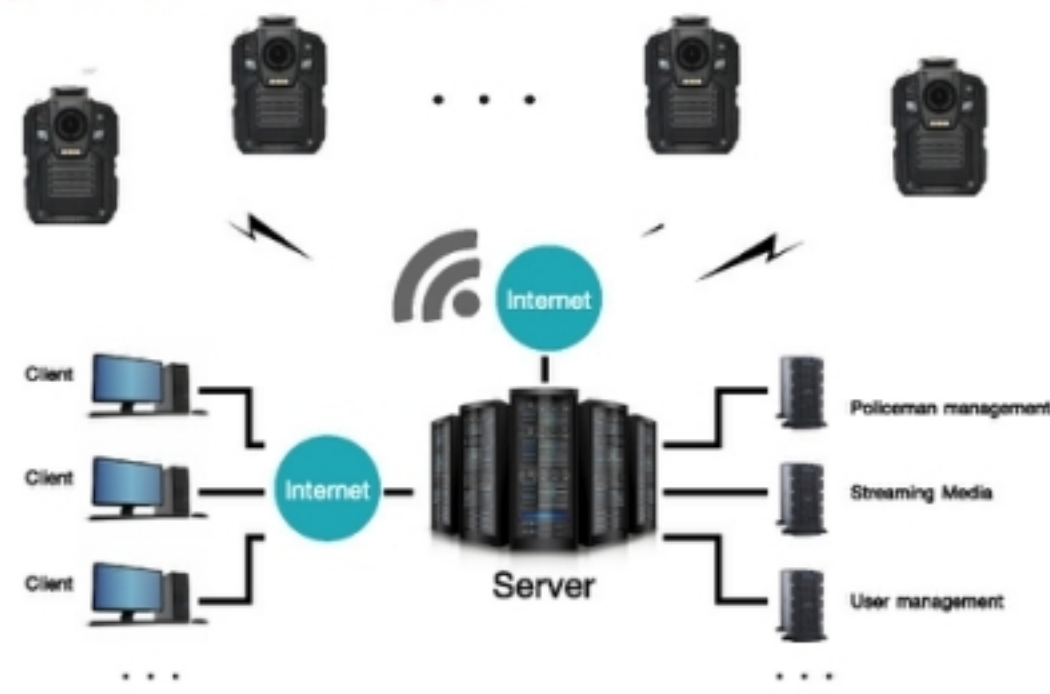
- รองรับการเชื่อมต่อผ่าน Wireless, TCP/IP ในการส่งข้อมูลเสียงและวิดีโอ
- ภายในตัวกล้องมีลำโพง, ไมโครโฟน ในการกระจายเสียง
- ใช้เทคโนโลยีการบีบอัดแบบ H.264, CMOS และ ช่องสัญญาณขาออก 1 ช่อง
- แบตเตอรี่ ลิเทียม ซึ่งทำให้ง่ายต่อการชาร์จและพกพา
- สามารถระบุตำแหน่ง GPS ได้
- รองรับการเชื่อมต่อแบบ 3G, WCDMA, CDMA2000, TD-SCDMA
- รองรับการเชื่อมต่อแบบ WIFI, WEP, WPA/WPA2
- สามารถดูแบบ real time ได้ทั้งแบบ 25 fps(PAL), 30fps(NTSC). ส่วนวิดีโอตั้งค่าตั้งต้นการบันทึกที่ D1 และสามารถเปลี่ยนเป็น D1/CIF/HD1
- มีโหมดการบันทึกวิดีโอหลายโหมดทั้งแบบ บันทึกตลอดเวลาหรือบันทึกด้วยตนเองเมื่อมีเหตุการณ์
- การบันทึกใน Format ASF ซึ่งเป็น Format ที่สามารถใช้ได้อย่างหลากหลาย software
- Memory ในตัว built in 64GB
- สามารถสลับไปโหมดประหยัดพลังงานได้โดยอัตโนมัติ

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Typical user network diagram



Live recording and transmission, as well as real-time viewing with any Smartphone anytime anywhere! A full HD Video and Audio of your precious moment to share with your friends or working in the same moment !
Low power consumption with high video quality ! Low compression size fast transmission and maximum storage capacity !

- **Leadership live video streaming** 12 x 1080p@30fps video steaming at same time, support auto-connect Collector/PCR/Cloud Servers also P2P directly transmit to Android/iOS smartphone
Unique Smart Video Streaming using minimize encoded video file size under good quality, providing bellow 3 ways: Fix super compression size, Dynamic streaming, Smart
- H.264 HD Video Resolution:1080p@30fps H.264 encode, Powerful image engine image enhance, de-noise, color fix, edge to provide sharpening...etc.
- Enhance 3D de-noise:Powerful 3D de-noise, reduce noise to provide well video quality under moving and during night
- Multi-alarm detect & Alarm Push:Motion detected, it shall be auto-trigger alarm push combined

Characteristic

- 4G/Wi-Fi P2P 2 or 4MegaPixels body worn IP Camera, power by lithium battery& USB
- Using No. 1 Ambarella S2 encoder IC & OV Sensor
- Record &P2P live transmit 1080p@30fps to smartphone almost no delay
- 12 x 1080p streaming & Smart streaming
- Support Collector, PCR, P2P Smartphone & Cloud Servers real-time connection as a totally system solution
- 3DNR, Anti-glare, Backlight compensation, WDR, through the fog
- Real-time surveillance, listen, intercom, broadcast, GPS position, storage, playback, alarm
- Multiple storage ways : the device, Collector, Smartphone, PCR, Cloud Server
- Built-in Wi-Fi, 4G, GPS

Outlet dimension



Charger & Collector



PCR

Lens	4M fix lens
Main Chip	
Encoder	Ambarella S2L55m Totally ability is 4M(2688x1512)@25fps + 352x288@25fps Video H.264 encode : 4M(2688x1512)@21fps high profile & 720p(1280x720)@21fps high profile or 1080p(1920x1080)@30fps high profile & 720p(1280x720)@30fps high profile Highest compression rate, dual encode, dynamic streaming There way of video encode & streaming : ● Fix super encode & streaming (CBR), highest compression rate, the fix bite rate user setttable ● Variable encode & streaming (VBR), the streaming size from min. to max. bit rate based on objects appear ● Smart streaming, under CBR Auto-change frame rate based on bandwidth Audio encode G.711 or AAC stereo
Record Video/Audio	Local SD card up to 128G, Collector, Smartphone, Private Cloud Storage(PCR), Cloud Servers (optional) Pre-record & Post-record
Memory	
Memory	2GB DDR3 RAM ~ 1GB ROM ~ 256MB flash
micro SD Card	built in 64GB
Video	
Image Sensor	OV4689 1/3" CMOS Sensor
Resolution	4MegaPixels
Min. illumination	0.5Lux color
Snapshot	4MegaPixels, Jpeg format, under Video recording can capture images with the resolution of the photo
Image Parameters	
S/N Ratio	≥ 55dB
Backlight Compensation	On / Off
Anti-glare	On / Off
3D de-noise	On / Off
White Balance	Auto User manual defined Incandescent / Yellow / White / Natural / Manual / Sunlight / Dark clouds / Flash / Fluorescent / Underwater lights
Shutter Speed	Auto (Normal : 1/25~1/5000 sec. ; Low lux : 1/5~1/5000sec.) Manual : 1/5~1/5000 sec
Super WDR	On / Off
Parameters	Support setup resolution / frames rate / Text / Date time / Title / user define name Support setup brightness / contrast / saturation / sharpness
Functional Features	
Real-time Transmission	exclusive Smart Video Streaming patent, record & transmit 1080p @ 30fps simultaneously Real-time P2P transmit 1080p @ 30fps to 12 places at the same time, includes NVR / VMS / Smartphone / Tablet / TV / PCR / Cloud Relay Servers. The delay time < 150 ms under Intranet, and < 1 sec. under Internet. Support ONVIF for NVR/VMS, P2P for Smartphone & PC & PCR & Cloud Servers
On-line Connection	Built in P2P directly connection with PCR, Android/iOS Smartphone, Cloud Servers. To execute real-time surveillance, listen, intercom, broadcast, storage, playback, alarm. And USB to connect with Collector, for storage & inquire usage.
Real-time Transmit Way	802.11 b/g/n Wi-Fi AP & Client mode, 4G, USB to transmit live video / audio / GPS
IR Light	distance up to 5 meters, IR cut
Day & Night	Auto, Color, B/W (IR cut)
Motion Detect	Alarm trigger (selectable detect area)
Active Intelligent Alarm Notice	Any one of bellow alarm detect happen, it shall be auto-trigger alarm push to PCR / VMS / Smartphone and cloud servers ● Motion detection or Alarm input (DI) trigger ● Built-in Intelligence Video Surveillance System (IVS) trigger, it includes: License plate recognition, face detect, Object detect, border line/area detect (optional)
Audio In/Out	Built-in microphone & speaker
OSD Functions	All videos and photos are attached to the date-time, product number, user ID and other information, can not edit, more legal evidence
Networking	
Communication Way	802.11 b/g/n Wi-Fi , 4G
GPS	Built-in
Wifi	802.11 b/g/n Wi-Fi (Broadcom), includes BT4.0
4G	Built-in Qualcomm LTEcat.44G module & 4G SIM connector
GPS	Built-in GPS IC
Antenna	Wi-Fi, 4G, GPS
Button	Power, Intercom, Video Record, Audio Record, Snapshot, Alarm, White, Laser, Menu/Return, Back/Playback, Multi-Functions
LED Status	Charge, Working, Laser, Light, IR, White
External I/O	Reset, SIM card, USB
LCD	Record Setup, Function Setup, P2P Setup, Language, Information, Video Playback, Audio Playback, Photo Playback, Live Video Watch
Charging seat	USB Charging seat
Network Protocol	IPv4, TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, ICMP, SNMP
Audio/Video Playback	Support
Max. User Connection	Max. up to 12 (depends on bandwidth)
Communication Protocol	Support ONVIF, GB/T28181, RTS P2P
IE Language	English, Traditional Chinese, Simplified Chinese
Browser	Windows XP, Vista/7/8, MAC OSx10.7 IE Client software
System Connection	API Provide P2P PCR, Collector and Cloud Servers (Optional) Provide P2P cloud servers & APP software (includes Android & iOS)
Environment	
Storage temperature/Humidity	-30℃~60℃/ 90%RH, Internal heat conduction in the shell forming
Protect Level	IP65
Electrical	
Input V/A	Lithium battery-powered, 3.7V@1950mAH
USB	5V@1A charge by USB port
Outward Characteristic	
Color/Material	Black / plastic
Dimension (WxHxD)	6cm x 2.8cm x 8.3cm
Weight	0.2kg