

MoviSight

MS-SVR2420-8POE-1TB

Mobile PoE NVR



Features

Excellent Video Transmission

- MS-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

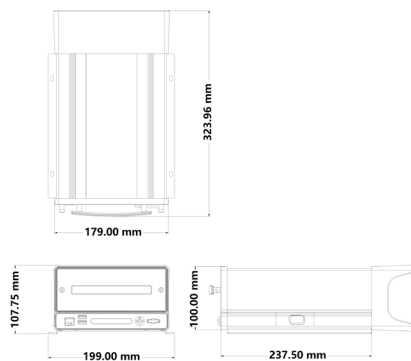
- Automatic network organizing
- Built-in DHCP server
- Pluggable HDD drawer, easy to change HDD module
- HDD module supports USB interface, easy to backup record

Abundant functions and features

- Up to 12 IP Camera access
- Built-in Wi-Fi AP module, can access Wi-Fi IP camera
- All mobile networks supported
- Supports dual SIM card bundle
- Built-in GPS module

Dimensions

Units:mm



Specifications

	MS-SVR2420-0204A/4P	MS-SVR2420-0208A/8P	MS-SVR2420-0212A/8P
Video/Audio Input			
Camera Input	4 channel	8 channel	12 channel
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Compression	H.264 / H.265		
Protocols	Onvif, RTSP, MoviSight, MS-KWTP		
Bitrate	64kbps ~ 16384kbps		
Incoming Bandwidth	20Mbps	40Mbps	60Mbps
Live Viewing			
Local Display	1 x HDMI, 1 x VGA, 2 x CVBS, simultaneously output same content		
Layout	1, 4, 9, 16		
Function	E-PTZ / Scheme / Polling		
Recording			
Resolution	8MP(4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Mode	Manual / Continuous / Schedule / Event (Pre / Post)		
Event Trigger	Supported		
Tag	Supported		
Search & Playback			
Search Mode	Date and time (Calendar) / Event		
Resolution	8MP (4K), 1080p, UXGA, 960p, 720p, XGA, SVGA, D1, CIF, QCIF		
Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Playback (Client)	up to 16 x 4K@30fps		
Synchronize Playback (Local Monitor)	1 x 4K@30fps / 4 x 1080p@30fps		
Synchronize Playback (Client)	4 x 4K@30fps		
Function	Slow forward / Fast forward / Loop / Single frame / E-PTZ		
Storage			
Max. Internal HDDs	2 x 2.5" HDD		
Built-in Storage	Max. 8TB (up to 4TB / each)		
	-GH: 1 x 1TB HDD		
Audio			
Compression	G.711a / G.711u / ADPCM / G.722 / G.722.1c / AAC-LC / G.726		
Bit rate	32kbps ~ 64kbps		
Audio Function	Bi-directional audio / Dumb / Mute / Broadcasting		
Alarm			
Service Alarm Triggers	Alarm input / Video lost / Motion detection / Tampering / Guard line / Defocus / Scene change / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge		
System Alarm Triggers	Device disconnected / No disk / Disk error / IP Address conflict / Network fault / Insufficient recording space / MAC address conflict / Insufficient snapshot space / Unauthorized access		
Alarm Events	Snapshot / Recording / PTZ preset / Buzzer / Email / Link to Client / Alarm caption / Live view in first window / Link to TV Wall / Full screen viewing		
System			
Operating System	Embedded Linux		
User Management	Admin / User		
Log Management	User login / User operation / Alarm / Backup / Update		
Application Programming	CGI		
Network			
Network Protocols	TCP / IP, UDP, HTTP, DHCP, DNS / DDNS, RTP / RTCP, RTSP, PPPoE, FTP, SNMP, VSP, UPNP, SMTP, IPv4, IPv6 (optional)		
Viewer Software	Web		
Max. User Access	16 Users		
Function	NAT / Socks5 / Multiple network access / Packet loss recovery		
Network Test	Supported		
Wireless	-S: Wi-Fi -G / -GH: Wi-Fi, 3G / 4G		
Number of Simcard Slots	-S: 0 -G / -GH: default 1, up to 2		
	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20		
	TDD-LTE: B38 / B39 / B40 / B41		
	HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz		
3G / 4G Frequency Band	GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BCD / BC1 Customizable network spectrum		
Wi-Fi	802.11 b/g/n/a/ac 2.4G / 5G, Wi-Fi AP		
Location Technology	GPS, GLONASS		
Application Programming	Onvif (Profile S, Profile G), API, CGI		
Interfaces			
Ethernet	1 x 10 / 100M, RJ45 interface		
Audio In / Out	1 x Line in / 1 x Mic in / 1 x Line out 2 x 10 pin: 4 x PoE RJ45 interface 4 x 10 pin: 8 x PoE RJ45 interface		
Aviation Plug	1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC	4 x 10 pin: 8 x PoE RJ45 interface 1 x 4 pin: 2 x CVBS output 1 x 4 pin: Power supply for PTZ camera 1 x 9 pin: Power input 9 ~ 36V DC
Video Out	1 x HDMI (up to 4K@30Hz) 1 x VGA (up to 1920 x 1080@60Hz) 2 x CVBS (PAL 720 x 576, NTSC 720 x 480)		
PoE Camera Input	4 channel	8 channel	8 channel
Alarm In / Out	8 x Input / 4 x Output		
Antenna	2 x Wi-Fi Antenna interface, 1 x GNSS Antenna interface, 1 x 4G Antenna interface (up to 2)		
Control	1 x RS485, 1 x RS232		
Environmental			
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F		
Operating Humidity	10% ~ 90%		
Electrical			
Power	DC 9 ~ 36V		
Power Consumption	max. 96W		
Mechanical			
Weight	5.6kg / 12.35lb		
Dimensions	280 x 180 x 98mm / 11.02" x 7.09" x 3.86"		
Accessories			
Standard	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 5 x Aviation plug connector cable	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable	1 x Cable Housing 1 x 18 pin Wire Harness Connector 1 x 20 pin Harness Connector 7 x Aviation plug connector cable
Optional	2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)	2 x Wi-Fi Antenna 1 x GNSS Antenna -G / GH: 1 x 4G Antenna (up to 2)
	HDMI adapter cable (Type-E male to type-A male)		