

SVR2420 Series

Mobile PoE NVR



Features

Excellent Video Transmission

KWTP protocol for 3G / 4G transmission, improves the video stream continuity under unstable 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

Specifications

	SVR2420-0204A/4P	SVR2420-0208A/8P	SVR2420-0212A/8P
Video/Audio Input			
Total number of Cameras 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, KEDACOM		
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)	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		
	Max. 8TB (up to 4TB / each)		
Built-in Storage	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, SNTP, VSIP, 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	Wi-Fi, 3G / 4G		
Number of Sim Card	Default 1, up to 2		
3G / 4G Frequency Band	FDD-LTE: B1 / B2 / B3 / B5 / B7 / B8 / B20 TDD-LTE: B38 / B39 / B40 / B41 HSPA / UMTS: 850 / 900 / 1800 / 1900 / 2100MHz GSM / GPRS / EDGE: 850 / 900 / 1800 / 1900MHz TD-SCDMA: B34 / B39 EVDO/CDMA: BC0 / 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		
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: 4 x PoE input 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*576, NTSC 720*480)		
Audio In / Out	1 x Line in / 1 x Mic in / 1 x Line out		
PoE Camera Input	4 channel	8 channel	8 channel
Alarm In / Out	8 x Input / 4 x Output		
Antenna	1 x Wi-Fi Antenna interface, 1 x GNSS Antenna interface, 1 x 4G Antenna interface		
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			
Antenna	2 x Wi-Fi Antenna, 1 x GNSS Antenna, 1 x 4G Antenna		