

Server Requirement

Hardware Requirement

Number of Vehicles	Hard Disk Space [TB]	Number of Clients	Download Speed [Mbps]	Upload Speed [Mbps]	
1000	1	10	50	100	16
2000	1.5	20	100	300	32
5000	3	50	200	2700	80
8000	5	80	300	3000	128
10000	7	100	400	4000	160
15000	10	150	600	9000	240
20000	13	200	800	15000	320
CPU [Xeon E5-2609 2.4GHz (Faster is better)]					
OS [Windows Server 2008\2012\2016 Enterprise x86\64bit]					

Ports Requirement

(Notice: Ports that do not show YES do not need to be mapped, but the ports cannot be occupied by other programs)

Services	Function Declaration	Process	Ports	
DVRRTService	Ceiba 2 process daemon service controls the start and stops of various services, and the services stop and restart automatically	DVRRTService.exe		
MySql5.5	Store platform base data	MySql5.5.exe	3306	
Mongodb	Store the user's old black box data	mongod.exe	27017	
Monggodb_3.2	Save black box data	mongod.exe	27018	
MessengerServer	Device registration service, device-side registration, data reporting and instruction issuing are all through this service	messagerserver.exe	12012 (Alarm push)	
			5556 (MDVR upload)	Yes

Services	Function Declaration	Process	Ports	
DVRGTSERVICE	Forwarding service, Send the LiveView requested by the client back to the client after retrieving it from the device	DVRGTSERVICE.exe	12091 (MDVR type)	Yes
			12092 (N9M device)	Yes
			17891 (Client)	Yes
WCMSWebCenterService	Function: Batch upgrade, automatic add	WCMS.Server.windowsservice.exe		
Apache2.2	Old web site, Evidence centre, auto-download etc.Client embedded pages	httpd.exe	12055	Yes
AdsServer	Automatic download service for server timed download tasks	ADSServer.exe	7857/7858	
ClientBalance	Load balancing service, client login authentication, return each server IP and port for the client	serviceproxy.exe	7264	Yes
n9m_proxy	Configure the device page agent remotely	HttpProxyServerNP.exe	12050 (Client)	Yes
			12051 (MDVR)	Yes
ARMSStorageServer	Black box writes in service, analyzes the black box data downloaded from ADS and writes in them to mongodb	storageserver.exe		
ARMSRestServer	Black box reading service, which reads the black box data stored in mongodb	restserver.exe	12040	Yes
ServiceSTPlay	Server playback services	servicestplay.exe	12045	Yes
AlarmService	Alarms and GPS datas real time push service	alarmservice.exe	12125	

Services	Function Declaration	Process	Ports	
ClientAccessService	Client access service, used to relay client request information and server return information (devices online and offline information, real-time GPS, etc.)	clientaccessservice.exe	12020	Yes
Redis Service	Buffer, GPS and other datas	redis-server.exe	12004	
PushService	Alarm push of APP	pushservice.exe		
OnlineServer	Online statistics service, online statistics of equipment information	serviceolstatistics.exe	12035	
EvidenceServer	Evidence centre service, equipment upload evidence, evidence information processing	evidenceservice.exe	12065	Yes
HttpSdkService	WEB connector	httpsdkservice.exe	12047	
ServiceSTMgr	storing video directly to the server	servicestmgr.exe		
rm_media_service	Web Liveview and Playback	media_service.exe	8090 (Playback)	Yes
			12060-12063 (Real-time)	Yes
			12198-12202 (MDVR protocol)	Yes
FileZilla Server	FTP server, Get the configuration of the device during the batch upgrade	filezilla server.exe	21; 3001-3100(Used for upgrading remotely)	Yes
WCMS5	WEB side	node.exe	12056	Yes
WCMS5REACT	Evidence centre	node.exe	3113	Yes
None	N9M 2.0 Remote device configuration	nginx.exe	8081	Yes
EvidenceStoreService	N9M 2.0 Remote device configuration web source upload	EvidenceStoreService.exe	12048	Yes
FilemanagementService	N9M 2.0 Evidence file	FileManagementService.exe	12049	

Services	Function Declaration	Process	Ports	
SSL(Optional)	SSL		5557	Yes
	Liveview		9095	Yes
	Playback		9100	Yes
	Evidence playback		23113	Yes

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