

Ceiba2 server

Hardware

Number of Vehicles	Hard Disk Space [TB]	Number of Clients	Download Speed [Mbps]	Upload Speed [Mbps]	RAM [GB]
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]					

Port

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

CEIBA II services and ports list 262	Services	Function Declaration	Process	Ports	Map
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	
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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 monggodb	storageserver.exe			
ARMSRestServer	Black box reading service, which reads the black box data stored in monggodb	restserver.exe	12040	Yes	
ServiceSTPlay	Server playback services	servicestplay.exe	12045	Yes	

AlarmService	Alarms and GPS datas real time push service	alarmservice.exe	12125		
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	

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SSL(Optional)	SSL		5557	Yes	
	Liveview		9095	Yes	
	Playback		9100	Yes	
	Evidence playback		23113	Yes	

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