



NAV-5M-16SL



1080P DISPLAY **5MP** Lite RECORD **5MP** Lite PLAYBACK

NAV-5M-16SL

5MP Lite Hybrid DVR





DDNS

Network



Audio

PTZ



MIC



USB

CMS



Mouse

E-mail

Specification

Mobile

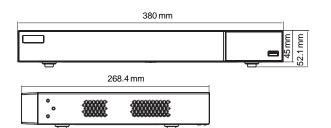
Introduction

NAV-5M-16SL series are 16 CH 5MP Lite high definition DVRs with ability to connect analog and IP cameras simultaneously, which adopt the standard H.265 high profile compression format and the most advanced SOC technique to ensure real time recording in each channel and realize outstanding robustness of the system. NAV-5M-16SL support 16 CH video input, 16 CH audio input, simultaneous 16 CH playback. The series of product can meet different security requirements of home, financial, commerce, enterprise, transportation and government, etc.

Characteristics

- 16 CH TVI / AHD video input, support 5MP / 4MP / 3MP / 1080P / 720P / WD1
- 16 CH CVI video input, support 4MP / 3MP / 1080P / 720P / WD1
- Default support 8 CH IPC 5MP / 4MP / 3MP / 1080P / 960P / 720P
- Adopt standard H.265 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphics User Interface (GUI), window style
 operation by mouse
- Multi-mode recording: manual / timer /motion
- Playback : 16 CH simultaneously playback
- \bullet $\;$ Search: time slice, time, event (manual, motion), tag search
- \bullet Express and flexible backup via USB, network and so on
- Pentaplex: preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol, IE browse and CMS supported
- Remote control via IE or CMS : preview, playback, backup, PTZ and configuration
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- Multi-user online simultaneously
- Authorization management, log review and device status review
- 1080P output, true high resolution display
- Support PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Support NAT function and QRCode scanning by mobile phone and PAD
- Powerful smart phone & Pad surveillance with iOS and Andriod OS

Dimensions



IveNAV-SM-16SLAmpressionSchadard A265 High ProfileSystemCPUSchadard L265 High ProfileCPUSchadard Lass High ProfileAmpressionSchadard LinuxAmpressionSchadard LinuxAmpression <th colspan="4"></th>				
SystemCPUCortex A9OSEmbedded LinuxInputBNC × 16ResolutionTVI /AHD: SMP / 4MP / 3MP/1080P / 720P / WD1IP Input8 CH (Up to 16CH)IP Input8 CH (Up to 16CH)OutputHDMI × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output)AudioOutputRCA × 1Two-way audioTake up channel one audio inputFrame RateSMP Lite/1080P / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output)AudioOutputRCA × 8AudioOutputRCA × 1Two-way audioTake up channel one audio inputFrame RateSMP Lite/1080P/1080P / 1050P / 1050P / 1050PBit Rate32Kbps - SMbpsModeManual, timer, motionFrame Rate25fps (PAL) / 30fps (NTSC)Bit Rate25fps (PAL) / 30fps (NTSC)Playback16 CHSmart SearchPied of time / event / tagsearchFunctionPlay, pause, FF, FB, digital zoom, etc.ModeManual, motion, exceptionAlarmOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InserveringCold CDC / IP, PPPoE, DHCP, DNS, DDNS, UPNP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)MobieicOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1NetworkRecord, snap, preset, e-mail, etc.InterfaceRS485 × 1, connect to PTZ orkeyboardWetworkNes	Model		NAV-5M-16SL	
OSEmbedded LinuxInputINputBNC × 16ResolutionCVI : AHD : 5MP / 4MP / 3MP/1080P / 720P / WD1 CVI : 4MP / 3MP/1080P / 720P / WD1IP Input8 CH (Up to 16CH)DutputP200 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1: 12920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output)AudioInputRCA × 8AudioOutputRCA × 1Two-way audioTake up channel one audio inputFrame RateSMP Lite/I080P/1280P / 128/ NTSC), 1080P Lite/720P/WD1Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolutionParame Rate25(ps (PAL) / 30(ps (NTSC), 1080P Lite/720P/WD1@25(ps (PAL) / 30(ps (NTSC))Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputSearchFrame Rate25(ps (PAL) / 30(ps (NTSC))Playback16 CHSearchTime slice / time / event / tagsearchPierotonPlay, pause, FF, FB, digital zoom, etc.FunctionPlay, pause, FF, FB, digital zoom, etc.AlarmOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkOSiOS, AndriodStorageHDDSATA ×2, up to 8TB per HDD; E-SATA ×1ModeNataria, motion, exceptionModeUsisk, USB removable HDDBackupYesResolutionSCAS × 1, connect to PTZ orkeyboardWorkJUSB 2.0 ×2ModeNataria, connect to PTZ orkeyboard </td <td rowspan="3">System</td> <td>Compression</td> <td>Standard H.265 High Profile</td>	System	Compression	Standard H.265 High Profile	
Input BNC × 16 Resolution TVI /AHD: SMP / 4MP / 3MP/1080P / 720P / WD1 Video IP Input 8 CH (Up to 16CH) IP Input 8 CH (Up to 16CH) Quiput Note (March 1000) / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output) Audio Input RCA × 8 Audio Output RCA × 1 Two-way audio Take up channel one audio input Frame Rate SMP Lite/1080P / 120s (PAL) / 15fps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 15fps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC) Bit Rate 32Kbps ~ 5Mbps Manual, timer, motion Resolution Resolution SMP / 4MP / 3MP / 1080P / 960P / 720P Frame Rate 25fps (PAL) / 30fps (NTSC) Playback 16 CH Smart Search Highlight colors to display the camera record in a certain period of time, different colors refer to different record events Function Play, pause, FF, FB, digital zoom, etc. Mode Manual, motion, exception Input 16 CH Output 4 CH Triggering Record, snap, preset, e-mail, etc. <		CPU	Cortex A9	
Video Resolution TVI /AHD: 5MP / 4MP / 3MP/1080P / 720P / WD1 Video IP Input 8 CH (Up to 16CH) IP Input 8 CH (Up to 16CH) Jupit Note (Comparing) Output Video / 1280 × 1024 / 1024 × 768 Output RCA × 8 Audio Output RCA × 8 Output RCA × 1 Two-way audio Take up channel one audio input Frame Rate SMP / 1080 / 1280 × 1024 / 1024 × 768 Frame Rate SMP Lite/1080P/1080P Lite/720P/WD1 Frame Rate SMP / 4MP / 3MP / 1080P / 1050P / 1050P / 1050 Bit Rate 32Kbps - SMbps Mode Manual, timer, motion IP Input Resolution SMP / 4MP / 3MP / 1080P / 960P / 720P Play Frame Rate 25/ps (PAL) / 30/ps (NTSC) JBIR Rate 32Kbps - SMbps Mode Manual, timer, motion Playback 16 CH Search Time slice / time / event / tagsearch Playphack 16 CH Output 4 CH Triggering Record, snap, pre		OS	Embedded Linux	
ResolutionCVI: 4MP / 3MP/1080P / 720P / WD1IP Input8 CH (Up to 16CH)DutputHDMI × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 UGA × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output)AudioOutputRCA × 8OutputRCA × 1Two-wayadioTake up channel one audio inputFrame Rate5MP Lite/1080P/1080P Lite/720P/WD1Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolutionResolution5MP / Lite/1080P / 960P / 720PIP InputResolutionResolution5MP / 4MP / 3MP / 1080P / 960P / 720PIP InputResolutionPlayback16 CHSmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsPlayback16 CHModeManual, motion, exceptionAlarmInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.Input16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkCos ID SATA × 2, up to 8T per HDD; E-SATA × 1Local BackupU disk, USB removable HDDBandwidth72 / 95 Mbps (access/transfer)MobileOSIOS, AndriodStoragLocal BackupU disk, USB removable HDDBackupResolutionSIS 2.0 × 2ResolutionSiS 2.0 × 2ResolutionSiS 2.0 ×	Video	Input	BNC × 16	
Video HDMI × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output) Audio Input RCA × 8 Output RCA × 8 Audio Output RCA × 1 RCA × 8 Record Fame Rate SMP Lite/4MP Lite/1080P/1080P Lite/720P/WD1 SMP Lite/100 DF 012ps(PAL) / 15fps (NTSC), 1080 P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC) Bit Rate 32Kbps - 5Mbps Mode Manual, timer, motion IP Input Resolution 5MP / 4MP / 3MP / 1080P / 960P / 720P Frame Rate 25fps (PAL) / 30fps (NTSC) Bit Rate 32Kbps - 5Mbps Mode Manual, timer, motion Resolution 5MP / 4MP / 3MP / 1080P / 960P / 720P Frame Rate 25fps (PAL) / 30fps (NTSC) Play Search Time slice / time / event / tagsearch Play Search Highlight colors to display the camera record ina certain period of time, different colors refer to different record events Play Mode Manual, motion, exception Input 16 CH Output 4 CH Triggering Record,		Resolution		
HDMI × 1: 1920 × 1080 / 1280 × 1024 / 1024 × 768 1920 × 1080 / 1280 × 1024 / 1024 × 768 BNC × 1: CVBS (used as the main or spot output)AutioInputRCA × 8OutputRCA × 1Two-way audioTake up channel one audio inputAmageSMP Lite/1080P/1080P/1080P/Lite/720P/WD1AmageSMP Lite/1080P/0120Fs(PAL) / 15(ps (NTSC), 1080P Lite/720P/WD1@25(ps (PAL) / 30(ps (NTSC))Bit Rate32Kbps - 5MbpsIP InputFrame RateSMP / 4MP / 3MP / 1080P / 960P / 720PPrance Rate25(ps (PAL) / 30(ps (NTSC))Payback16 CHSmart SearchHighlight colors to display the camera record in a certain period of time / event / tagsearchPlayback16 CHSmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsPlayback16 CHJunctionPlay pause, FF, FB, digital zoom, etc.PlaybackInput16 CHOutput4 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.ProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPNP, NTP, SMTPPhericeOSInstraceNativalModeiSATA × 2, up to 8TB per HDD; E-SATA × 1ModeiSus 2, 0 × 2Record, SandriodUsis, USB z.0 × 2ProtocolSCA / 2, 0 × 2Record, SandriodSis 2, 0 × 2ModeiOutput, Usis, USB z.0 × 2MortiolierOutput, Usis, USB z.0 × 2, 0 × 0 × 10%Mortiolier <t< td=""><td>IP Input</td><td>8 CH (Up to 16CH)</td></t<>		IP Input	8 CH (Up to 16CH)	
InputRCA × 8AudioOutputRCA × 1Two-way audioTake up channel one audio inputRecordEsolutionSMP Lite/4MP Lite/1080P/1080P Lite/720P/WD1Frame RateSMP Lite@10fps, 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC)Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolutionSMP / 4MP / 3MP / 1080P / 960P / 720PFrame Rate25fps (PAL) / 30fps (NTSC)Playback16 CHSearchTime slice / time / event / tagsearchPlayback16 CHSmart SearchHighlight colors to display the camera record ina certain period of time, different colors refer to different record 		Output	1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA × 1 : 1920 × 1080 / 1280 × 1024 / 1024 × 768	
AudioOutputRCA × 1Two-way audioTake up channel one audio inputRecolutionSMP Lite/14MP Lite/1080P/1080P Lite/720P/WD1Frame RateSMP Lite/1080P @ 12ps(PAL) / 15ps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC)Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolutionFrame Rate25fps (PAL) / 30fps (NTSC)Playback16 CHSearchTime slice / time / event / tagsearchPlayback16 CHSmart SearchHighlight colors to display the camera record ina certain period of time, different colors refer to different record eventsPlayNedeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPNP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DevicesOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Accal Rachup BackupU disk, USB removable HDDBackupU disk, USB removable HDDBackupVesResolerOptionalOtherSub 2.0 × 2OtherRemoteOtherSub 2.0 × 2OtherSub 2.68 × 52mm (W × D × H)Work10.0 × 610 × 100% p × 00% humidity	Audio	Input		
Two-way audioTake up channel one audio input <td of="" rowspanning="" sta<="" state="" td="" the="" to=""><td></td><td></td></td>		<td></td> <td></td>		
RecordSMP Lite/AMP Lite/1080P/1080P Lite/720P/WD1RecordSMP Lite@10fps, AMP Lite/1080P@12fps(PAL) / 15fps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC)Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolutionSMP / 4MP / 3MP / 1080P / 960P / 720PFrame Rate25fps (PAL) / 30fps (NTSC)PlayFrame Rate25fps (PAL) / 30fps (NTSC)PlaySmart SearchTime slice / time / event / tagsearchPlaySmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsPlayModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolTCP / IP, PPDE, DHCP, DNS, DDNS, UPNP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)MobileOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupYesPortUSBUSB 2.0 × 2Remote ControllerOptionalOthersRemote RemoteOthersSale × 58 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2Remote RemoteOptionalOthersSale × 56 × 110% or 0% burnitity				
RecordSMP Lite@10fps, 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC), 1080P Lite/720P/WD1@25fps (PAL) / 30fps (NTSC)Bit Rate32Kbps - 5MbpsModeManual, timer, motionIP InputResolution5MP / 4MP / 3MP / 1080P / 960P / 720PIP InputFrame Rate25fps (PAL) / 30fps (NTSC)Play backSearchTime slice / time / event / tagsearchPlay back16 CHSmart SearchPidplight colors to display the camera record in a certain period of time, different colors refer to different record eventsPlay backModeManual, motion, exceptionFunctionPlay, pause, FF, FB, digital zoom, etc.FunctionPlay, pause, FF, FB, digital zoom, etc.FunctionPlay, pause, SF, FB, digital zoom, etc.FunctionPlay, pause, SF, FB, digital zoom, etc.FunctionPlay, pause, FF, FB, digital zoom, etc.FunctionPlay, pause, FF, FB, digital zoom, etc.Pottput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)MobileOSIOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupYesRemote BackupVesRemote ControllerOptionalOtherQuery VAAConsumption\$15W (without HDD)	Record			
ModeManual, timer, motionIP InputResolution $5MP / 4MP / 3MP / 1080P / 960P / 720P$ IP InputFrame Rate $25fps (PAL) / 30fps (NTSC)$ PlayPlayback16 CHSearchTime slice / time / event / tagsearchPlaySmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsAlarmModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolBandwidth72 / 96 Mbps (access/transfer)MobileOSIOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupVessNetworkYesResolutUsik, USB removable HDDBackupNetwork BackupPortQptionalPower SupplyDC12V / 4AConsumption< 15W (without HDD)			5MP Lite@10fps, 4MP Lite/1080P@12fps(PAL) / 15fps (NTSC),	
IP InputResolution5MP / 4MP / 3MP / 1080P / 960P / 720PIP InputFrame Rate25fps (PAL) / 30fps (NTSC)Playback16 CHSearchTime slice / time / event / tagsearchPlaybackSearchFunctionPlay, pause, FF, FB, digital zoom, etc.ModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolBandwidth72 / 96 Mbps (access/transfer)MobileOSIoS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupU disk, USB removable HDDBackupNetwork BackupPortUSBUSBUSB 2.0 × 2Remote ControllerOptionalPower SupplyDC12V / 4AConsumption<15W (without HDD)		Bit Rate	32Kbps ~5Mbps	
IP Input Frame Rate 25fps (PAL) / 30fps (NTSC) Playback 16 CH Search Time slice / time / event / tagsearch Playback Search Smart Search Highlight colors to display the camera record ina certain period of time, different colors refer to different record events Alarm Mode Manual, motion, exception Input 16 CH Output 4 CH Triggering Record, snap, preset, e-mail, etc. Interface RJ45 1000Mbps ×1 Network Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP Bandwidth 72 / 96 Mbps (access/transfer) Mobile OS iOS, Andriod Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup Ves Yes Port USB USB 2.0 × 2 Remote Controller Optional Optional Ottow Storage Optional Power Supply DC12V / 4A Consumption Motion Storage Optional Power Supply DC12V / 4A <td>Mode</td> <td>Manual, timer, motion</td>		Mode	Manual, timer, motion	
Frame Rate25fps (PAL) / 30fps (NTSC)Playback16 CHSearchTime slice / time / event / tagsearchSmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsFunctionPlay, pause, FF, FB, digital zoom, etc.AlarmModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSIOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupU disk, USB removable HDDNetwork BackupYesRest85RS485 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2Remote ControllerOptionalOthersSel x 2, up to 380 × 268 × 52mm (W × D × H)Work×10 × 50 % × 10% × 20% burnidity.	IP Input	Resolution	5MP / 4MP / 3MP / 1080P / 960P / 720P	
Play backSearchTime slice / time / event / tagsearchPlay backSmart SearchHighlight colors to display the camera record in a certain period of time, different colors refer to different record eventsPlay backFunctionPlay, pause, FF, FB, digital zoom, etc.AlarmModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupVesVesPortUSBUSB 2.0 × 2Remote ConsumptionStorageOptionalPower SupplyDC12V / 4AConsumption\$ 15W (without HDD)Dimensions380 × 268 × 52mm(W × D × H)Work10 = 50.75 ± 10% c bm/s humidity		Frame Rate	25fps (PAL)/30fps (NTSC)	
Play backNetworkHighlight colors to display the camera record ina certain period of time, different colors refer to different record eventsFunctionPlay, pause, FF, FB, digital zoom, etc.AlarmModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1Local BackupU disk, USB removable HDDBackupVesRS485RS485 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2Remote ControllerOptionalPower SupplyDC12V / 4AConsumption≤ 15W (without HDD)Dimensions380 × 268 × 52mm(W × D × H)Work<40 ~ 50 % < 10% ~ 90% humidity		Playback	16 CH	
backSmart Searchperiod of time, different colors refer to different record eventsFunctionPlay, pause, FF, FB, digital zoom, etc.AlarmModeManual, motion, exceptionInput16 CHOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupV disk, USB removable HDDNetwork BackupYesRS485RS485 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2Remote ControllerOptionalPorterOne SupplyDeficiencyDC12V / 4AConsumption≤ 15W (without HDD)Dimensions380 × 268 × 52mm(W × D × H)Work40 ~ 50 % + 10% ~ 90% humidity		Search	Time slice / time / event / tagsearch	
$\begin{tabular}{ c c c c c } \label{eq:harder} \end{tabular} tabu$		Smart Search	period of time, different colors refer to different record	
AlarmInput16 CH $Alarm$ Output4 CHTriggeringRecord, snap, preset, e-mail, etc. $Network$ InterfaceRJ45 1000Mbps ×1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupLocal BackupU disk, USB removable HDDBackupNetwork BackupYesPortUSBUSB 2.0 × 2Remote ControllerOptionalOthersFower SupplyDC12V / 4AOthers380 × 268 × 52mm (W × D × H)Work $x10 = 50\%$ + 10% = 90% humidity		Function	Play, pause, FF, FB, digital zoom, etc.	
AlarmOutput4 CHTriggeringRecord, snap, preset, e-mail, etc.NetworkInterfaceRJ45 1000Mbps × 1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupU disk, USB removable HDDBackupYesRS485RS485 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2Remote ControllerOptionalOthersRemote Sato × 268 × 52mm (W × D × H)Work×10 ≈ 50 °C × 10% ≈ 90% burnidity		Mode	Manual, motion, exception	
Output4 CHTriggeringRecord, snap, preset, e-mail, etc.InterfaceRJ45 1000Mbps ×1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPNP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupU disk, USB removable HDDBackupYesRS485RS485 × 1, connect to PTZ orkeyboardUSBUSB 2.0 × 2ControllerOptionalConsumption≤ 15W (without HDD)Dimensions380 × 268 × 52mm (W × D × H)Work*10 ≈ 50 °C + 10% ≈ 90% humidity		Input	16 CH	
InterfaceRJ45 1000Mbps × 1NetworkProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPBandwidth72 / 96 Mbps (access/transfer)Mobile DeviceOSiOS, AndriodStorageHDDSATA × 2, up to 8TB per HDD; E-SATA × 1BackupLocal BackupU disk, USB removable HDDBackupNetwork BackupYesPortUSBUSB 2.0 × 2Remote ControllerOptionalOthersPower SupplyDC12V / 4ADimensions380 × 268 × 52mm (W × D × H)Work $x10 = 50\%$ $x10\%$ $x20\%$ humidity		Output	4 CH	
Network Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP Bandwidth 72 / 96 Mbps (access/transfer) Mobile Device OS iOS, Andriod Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup U disk, USB removable HDD Backup Yes RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm(W × D × H) Work ×10 ≈ 50 °C × 10% ≈ 90% humidity		Triggering	Record, snap, preset, e-mail, etc.	
Bandwidth 72 / 96 Mbps (access/transfer) Mobile Device OS iOS, Andriod Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup Local Backup U disk, USB removable HDD Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Others Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm (W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity		Interface	RJ45 1000Mbps ×1	
Bandwidth 72 / 96 Mbps (access/transfer) Mobile Device OS iOS, Andriod Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup Local Backup U disk, USB removable HDD Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Others Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm (W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity				
Mobile Device OS iOS, Andriod Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup Local Backup U disk, USB removable HDD Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm (W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity		Bandwidth		
Storage HDD SATA × 2, up to 8TB per HDD; E-SATA × 1 Backup Local Backup U disk, USB removable HDD Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm (W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity				
Backup Local Backup U disk, USB removable HDD Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm(W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity		HDD	SATA × 2, up to 8TB per HDD; E-SATA × 1	
Backup Network Backup Yes Port RS485 RS485 × 1, connect to PTZ orkeyboard USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm(W × D × H) Work ×10 ≈ 50 % × 10% ≈ 90% humidity				
RS485RS485 × 1, connect to PTZ orkeyboardPortUSBUSB 2.0 × 2Remote ControllerOptionalPower SupplyDC12V / 4AConsumption $\leq 15W$ (without HDD)Dimensions380 × 268 × 52mm (W × D × H)Work $\sim 10\%$ co 50\% co 10% co 90% humidity		Network		
Port USB USB 2.0 × 2 Remote Controller Optional Power Supply DC12V / 4A Consumption ≤ 15W (without HDD) Dimensions 380 × 268 × 52mm(W × D × H) Work -10 ≈ 50 % + 10% ≈ 90% humidity	Port		RS485 × 1, connect to PTZ orkeyboard	
Remote Controller Optional Power Supply DC12V / 4A Consumption \leq 15W (without HDD) Dimensions 380 × 268 × 52mm(W × D × H) Work $<10 \approx 50\%$ $> 10\%$ $\approx 90\%$ humidity		USB		
Others $ \frac{1}{2} 1$				
Others Dimensions 380 × 268 × 52mm(W × D × H) Work -10 ~ 50 °C + 10% ~ 90% humidity	Others	Power Supply	DC12V / 4A	
Dimensions $380 \times 268 \times 52 \text{mm}(W \times D \times H)$ Work $-10 \approx 50^{\circ} \text{C} \times 10^{\circ} \text{c} \approx 90^{\circ} \text{ humidity}$		Consumption	≤ 15W (without HDD)	
		Dimensions	380 × 268 × 52mm(W × D × H)	
			-10 \sim 50 $^\circ\!$	

NAV-5M-16SL

