PoE 8 Channel H.265 8MP NVR with 1HDD Bay and Facial Recognition

WNVR18P5AI



Please read these instructions carefully before operating the unit and keep for further reference.

genie

Please read this instruction carefully before operating the product and keep it for further reference. All examples and pictures used here are for reference only. The contents of this manual are subject to change without notice.

CAUTION:

• Please check the device and the accessories after getting the device. If there are any damages, shortages or defects, please contact your dealer immediately.





1.0 Introduction 1.1 Product Features	
1.2 Product Dimensions 1.3 Specification	4
2.0 HDD Installation	6
3.0 Rear Panel Instruction	7
4.0 Start Up and Shut Down	8
5.0 Login	9
6.0 Configurations and Connections6.1 Network Configuration & Adding IP Camera	
7.0 UPnP	12
8.0 NAT	13
9.0 Manual Recording and Playback 9.1 Manual Recording	14
9.2 Playback	14

The Genie WNVR18P5AI is an 8 channel PoE H.265 8MP NVR with 1 HDD bay and facial recognition. The NVR supports 8 channel 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1280 × 1024, 960p, 720p, 960H, D1 and CIF IP video input as well as 8 channel simultaneous playback.

1.1 Product Features

- Supports 8 CH 8MP, 6MP, 5MP, 4MP, 3MP, 1080p, 1280×1024, 960p, 720p, 960H, D1, CIF IP video input
- Standard H.265 high profile compression format to get high-quality video at much lower bit rate
- Intuitive and user-friendly Graphic User Interface (GUI), Windows style operation by mouse
- Multi-mode recording: Manual / Timer / Motion / Sensor / Smart events
- Playback : 8CH simultaneous playback
- Supports face detection and comparison
- Search : Time slice, time, event, tag, smart and face database search
- Multi-user online simultaneously
- Authorisation management, log view and device status view
- Supports multiple VCA (Video Content Analytics) events, such as object abandoned/ missing, region intrusion, tripwire, video tampering, etc.
- Supports POS information overlay on live view and playback
- Express and flexible backup via USB, network and so on.
- Pentaplex : Preview, record, playback, backup and remote access
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web Client or CMS : Preview, playback, backup, PTZ and configuration
- 8 PoE network ports, PoE power supply supported
- Dual stream technology for local storage with high definition, remote network transmission and remote surveillance with mobile device
- 4K output, true high resolution display
- Supports PTZ preset and auto cruise, up to 255 presets and 8 cruises
- Supports NAT function and QR code scanning by mobile phones
- Powerful mobile surveillance by smart phones with iOS and Android OS
- P2P ready for hassle free remote access

1.2 Product Dimensions



1.3 Specification

joine66Franktier lawIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncoming BardwidthDirigingIncomingBardwidthIncoming </th <th></th> <th>Model</th> <th>WNVR18P5AI</th>		Model	WNVR18P5AI
Process Instruction Distance Colors Work 1: 2800-2100 (packed / 280-2100 (packed / 280-2100 (packed / 1200-2000 / 1200-1000 / 1000-1000 / 1200-1000 / 1000-1000 / 1200-1000 / 1000-1000 / 1200-1000 / 1000-1000 / 1200-1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1000 / 1200 / 1200 / 1000 / 12	System	OS	Embedded Linux
Vision Orient 1 Chemical Control Chemical Contro Chemical Control Ch		Input	8CH IPC input
View Oracid View View Readerson See / Aref / See / View /		Incoming Bandwidth	80Mbps
Includion USA 11 1990 (USA 1200-USA		.	HDMI x 1 : 3840×2160 @60fps / 3840×2160 @ 30fps / 1920×1080 / 1280×1024 / 1024×768
ComparationStandard > 200/000NoteCollipsNoteCollipsAutoCollipsOutopidCollipsNoteCollips <tr< td=""><td>Audio Record Face Recognition Mobile Device Storage Playback Alarm Alarm Remote</td><td>Output</td><td>VGA 1 : 1920×1080 / 1280×1024 / 1024×768</td></tr<>	Audio Record Face Recognition Mobile Device Storage Playback Alarm Alarm Remote	Output	VGA 1 : 1920×1080 / 1280×1024 / 1024×768
Notif If CH PC and/o input Audio Drip in ECA in Previow Justice ECA in Compassion Drift (A.10) Record Justice Drip in the State in the Stat		Resolution	8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 1280×1024 / 960p / 720p / 960H / D1 / CIF
Addit Code Tore Way Aufor ECA1 Compension C21 (A/J) Compension C21 (A/J) Readition Mark Scale Readition Mark Scale Frame Rare Mark Scale Frame Rare Mark Scale Addition Mark Scale Frame Rare Mark Scale Frame Rare Scale Mark Scale Frame Rare Scale <td></td> <td>Compression</td> <td>Standard H.265/H.264</td>		Compression	Standard H.265/H.264
Addia Technology and a second se		Input	8 CH IPC audio input
New Way Aution EAx1 Compression CTI (A/A) Record Steam Badd Compression Record Steam Badd Compression Record Steam Badd Compression Present Record Steam Badd Compression Made A Manuel, Trans, Malan, Sensor, Samt A resolution, Samt A r	P		RCA x1
Record Straam Dual stream recording Record Straam Str / Ser / Str / Ser / OBD / DBD / DBD / DBD / DBD / DBD / DDD / DD / CF Record Straam NDD : DDD : DDD : DDD : DDD : DDD : DDD / DDD	AUdio		RCA x1
Resolution Barb / Add / Staf /		Compression	G.711 (A/U)
Record Frame Rate NTSC 306p, PAL: 201p Mode Manual, Time, Motion, Sensor, Smart events Mode Schemel Fore Rate Add, modify delete and search fore patients Fore Rate Schemel base Schemel Mage of Fore Track Resolution: Schemel Schemel Fore Rate Schemel base Schemel Schemel Schemel base Schemel Schemel Schemel base Schemel Schemel Schemel base Schemel Rate Schemel base Schemel Schemel Schemel base Schemel Rate Schemel base Schemel Rate Schemel base Schemel Schemel Schemel base Schemel Rate		Record Stream	Dual stream recording
Frame Rate NTSC: 0506, FAL: 2506 Social Messauki Trace, Mession, Sensor, Sensor events Social Social Social Social Face Reture Database 20 Bioines, Sicol Sarp Social Compution Composition Compution Compution 30 Declares, Fictures Face Reture Batabase 20 Bioines, Mondo Face Reture Social 30 Declares, Fictures Face Reture Social Social Control Social	Depard		8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 1280×1024 / 960p / 720p / 960H / D1 / CIF
Channel 40.1 Face Reture Database 32 Bernins, 5000 face prictures Comparing Capability 106 pettors / mode Face Reture Database 32 Bernins, 5000 face prictures Comparing Capability 106 pettors / mode Face Reture Search Search by pottors is supported Database Management Add, modily, delete and earch face pictures areal import Recognition External Face Reture Browner Pace Reture Search Separation (Return Internation) Add face pictures through Angl, Veb and earch face pictures areal import Recolution: 2560-1720, Size x 31204, Format: [pgbpag Face Track Yes Search Adjoint of Face Information Seargeph Statistic Coraph of Face Information Statistic Mode of Face Information Statistic by day, week, month, quarter as well as customized time period Mobile Device OS IOS, Android Statistic Mode of Face Information Statistic by day, week, month, quarter as well as customized time period Mode Maximum BCH (Simultaneous) Face Rute Statistic Dy day of face Information Statistic Mode of Face Information Statistic Dy day of face Information	Record		NTSC: 30fps, PAL: 25fps
Face Picture Database 32 Biordies, 5000 face pictures Computing Capability W0 pictures / mixing Face Picture Standshilly Search by pictures / mixing Face Picture Standshilly Add, modify, define and search face pictures Pack Picture Standshilly Add face pictures for pictures Pack Picture Constraint Add, modify, define and search face pictures Pack Picture Constraint Pack Picture Constraint Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt Statistic Capity of Face Informationt <td< td=""><td></td><td>Mode</td><td>Manual, Timer, Motion, Sensor, Smart events</td></td<>		Mode	Manual, Timer, Motion, Sensor, Smart events
Address Computing Capability No picture / minute Face Ricture Search Search by picture is supported Decision Management Add face picture shoupported Face Ricture Adding Add face picture through App, Web and external import Face Ricture Adding Add face picture through App, Web and external import Face Ricture Comparison Spectram Face Ricture Comparison Spectram Face Ricture Comparison Spectram Face Track Yes Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Statistic Graph of Face Information Statistic by day, weet, month, quarter as well as cuconised time period Mobile Device OS Statistic by day, weet, month, quarter as well as cuconised time period		Channel	8CH
Face Face Picture Search Search by picture is supported Datases Management Add, modity, delete and search face pictures Face Picture Adding Add face pictures through App, Web and exernal import External Tace Picture Functionent Resolution 1000000000000000000000000000000000000		Face Picture Database	32 libraries, 5000 face pictures
Face Database Management Add, modify, delate and search face pictures Recognition File Circum Adding Add face pictures (hough App, Web and external import Recognition Extension Face Fiecture Envolvement Resolution: 120-120, 120-1200, 120-e x 7008, Format; jogdjeng Face Circum Comparison Supports allow list and block tist allow Face Fiecture Comparison Face Track Yes Resolution: 2520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Statistic Corport Face Information Bardators: 0520-1200, 526 x s 512K8, Format; jogdjeng Face Corport Face Final, Ket Circum Annaecol Statistic Statistic Mode of Face Information Bardators: 0500, 100, 100, 100, 100, 100, 100, 100		Computing Capability	180 pictures / minute
Face Face Picture Adding Add face pictures through App, Web and external import Recognition External Face Picture Enrolment Resolution: 128-168, 1920-1080, Size ± 3706, Format: jpskjopg Face Face Picture Comparison Supports allow list and block list alarm Face Face Ficture Comparison Supports allow list and block list alarm Face Face Ficture Comparison Bar graph Statistic Graph of Face Information Bar graph Statistic Ordo of Face Information Bar graph Statistic Node of Face Information Statistic Node Node Node Node Node Node Node Node		Face Picture Search	Search by picture is supported
Recognition External Face Picture Environment Resolution 128-128, 1920-1080, Size x 7008, Format: jpgAjpeg Face Picture Comparison Supports allow list and block list alarm Face Picture Comparison Supports allow list and block list alarm Map of Face Track Resolution: 250-1920, Size x 510KB, Format: jpgAjpeg Statistic Graph of Face Information Ber graph Statistic Graph of Face Information Statistics by day, week, month, quarter as well as customized time period Mobile Device OS Jos, Android Statistic Graph of Face Information Statistics by day, week, month, quarter as well as customized time period Storage HOD StAt AI, max 81B per HOD Statistic Staph of Face Information Statistics by day, week, month, quarter as well as customized time period Starting HoD StAt AI, max 81B per HOD Starting Mode Colour to diplay the canner ancord in a certain period of time, different colours refers to different record constrained and search Starting Mode Bac(Log Larar Input, Log Search Alarm Hord Bac(Log Larar Input, Log Search Input Bac(Log Larar Input, Log Search Colour Larar Input, Log Search Input		Database Management	Add, modify, delete and search face pictures
Face Face Track Supports allow ist and block ist alarm Face Track Yes Map of Face Track Resolution: 2500-1920, Size: s 512(6), Format: jps&jpeg Statistic Condu of Face Information Bartgraph Statistic Mode of Face Information Statistic Loy day, week, month, quarter as well as customised time period Mobile Device OS IOS, Android Statistic Mode of Face Information Statistic Provide Statistic Provide Statistic Dy day, week, month, quarter as well as customised time period Mobile Device OS IOS, Android Statistic Statistic Provide Statistic Dy day, week, month, quarter as well as customised time period Statistic Provide Statistic Provide Statistic Dy day, week, month, quarter as well as customised time period Statistic Toride Statistic Provide Statistic	Face	Face Picture Adding	Add face pictures through App, Web and external import
Face Picture Comparison Supports allow list and block list alarm Face Frack Yei Nap of Face Track Resolution: 25:001920, Size: 5 52/25, Format: jpg&jeeg Statistic Corph of Face Information Bar graph Statistic Corph of Face Information Statistic Dod of Face Information Browner OS DS, Android Browner Playback Maximum SCH Simultaneous) Search Time slice / Time / Event / Tag search Statistic Social Science Playback Search Time slice / Time / Event / Tag search Statistic Social Science Highlighted colour to display the camera record in a certain period of time, different ceourd record Search Fine Clion Play Assee, FF, FB, Digital zoom, etc. Alarm Input S CH local alarm input, supports IPC alarm input Dutput ACH Achieven Science Pace Port REv5 3000Hbps x1 Procecol Tragering Record, Snap, Preset, Ermail, etc. Procecol Port Cocol RVS 900Hbps x1 Procecol Port Cocol RVS 900Hbps x1 Strecord Scintopeer 1:800H Port	Recognition		Resolution: 128×128, 1920×1080, Size: ≤ 70KB, Format: jpg&jpeg
Map of Face Track Resolution: 2500*1920, Size: 5 152KB, Format: jpg&jpeg Statistic Graph of Face Information Statistics by day, week, month, quarter as well as customised time period Mobile Device OS IOS, Android Storage HDD SATA A1, max 87B per HDD Playback Maximum SCH (Simultaneous) Search Time siles / Time / Event / Tag search Storage Mode Amar Search Highlighted coloru to display the camera record in a certain period of time, different colours refers to different record Function Play Pause, FF, FB, Digital scom, etc. Function Play Pause, FF, FB, Digital scom, etc. Input SCH local alarm input, supports PC alarm input Output ACH Triggering Record, Snap, Preset, Ermail, etc. Input SCH local alarm input, supports PC alarm input Output ACH Triggering Record, Snap, Preset, Ermail, etc. Interface PLAS DOOMpax x1 Protocol TCP / IP, PPPoC, DUCP, DUS, DUSS, UMP, MTP, SMTP Pot Fort PLAS Per HDD Backup & Sentiel Yees, Firroware 1.10 or later			
Head of Face Track. Resolution: 2550/1920, Size: 5 SDX58, Format: jpg&jpg Statistic Graph of Face Information Statistics by day, week, month, quater as well as customised time period Mobile Device OS Co. Android Storage HDD SATA 1, max 8TB per HDD Phyback. Moninum 8CH (Simultaneous) Search Time slice / Time / Event / Tag search Smart Search Time slice / Time / Event / Tag search Function Play Device, Fip, Digital acom, etc. Automit Composite of Social adminiput, supports IPC adam input Automit Composite of Composite of Social adminiput, supports IPC adam input Automit Protocol TO / IP (PPEC, DLK), DDNS, UPR, NTP, SMTP Network Forticol Resord, Snap, Preset, Ermail, etc. Network Forticol RAVS 5 00004Dpx x 1 Network Forticol RAVS 5 00004Dpx x 1 Network Satistic US of DUCP, DNS, DDNS, UPR, NTP, SMTP Protocol TO / IP (PPEC, DLNS, DDNS, UPR, NTP, SMTP Network Gocial act/up Composite Gradie with Inmix via RTSP only (2 way acids not supported) Satistico Satistico Satistico Satist		Face Track	
Statistic Mode of Face Information Statistics by day, week, month, quarter as well as customised time period Mobile Device OS IOS, Android Storage HDD SATA x1, max 8TB per HDD Playback Playback Maximum 8CH (Simultaneous) Search Time size / Time / Event / Tag search Mission 8CH (Simultaneous) Smart Search Mission 8CH (Simultaneous) Search different colours refers to different record events. Function Play Pause, FF, FD, Digital zoon, etc. Mode Manual, Sensor, Motion, Exception, Smart events Alarm Input 8CH local alarm input, supports IPC alarm input Output 4CH Network Protocol TCP / IP, PPRe, DHCP, DNS, DDNS, UPRP, NTP, SMTP Protocol Remote Immix Compatible with Immix via RTSB per HDD Stata (Stata Search) Vis Search Stata (Stata Search) Backup & Storage Inonic Compatible with Immix via RTSB per HDD Stata (Stata Search) Stata (Stata Search) Backup & Storage Immix Compatible with Immix via RTSB per HDD Stata (Stata Search) Stata (Stata Search) Backup & Storage Ius Stat		Map of Face Track	
Mobile Device OS IOS, Android Storage HDD SATA X1, max 8TB per HDD Playback Playback Maximum 8CH (Simultaneous) Search Time slice / Time / Event / Tag search Smart Search Highlighted colour to display the camera record in a certain period of time, different colours refers to different record events. Function Play, Pause, FF, FB, Digital zoom, etc. Mode Manual, Sensor, Motion, Exception, Smart events Input 8 CH local alarm input, supports IPC alarm input Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Interface Rki5 1000Mbps x 1 Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP PoE Port RA5 × 8 (IEE800.23nf, output power: 80W) Monitoring Sentinel Yes, Firrware 1.10 or later Backup & Storage HDD: SATA x1, max 8TB per HDD Network Backup Yes Port Set SUB With Interview A The Storage Port Resold, Sub Sin Sola + 1 Record Stackup Yes Storage HDD: SATA x1, max 8TB per HDD <td< td=""><td></td><td>Statistic Graph of Face Information</td><td>Bar graph</td></td<>		Statistic Graph of Face Information	Bar graph
Storage HDD SATA XI, max 8TB per HDD Playback Playback Maximum 8CH (Simultaneous) Search Time slice / Time / Event / Tag search Smart Search Highlighted colour to display the camera record in a certain period of time, different colours refers to different record events. Function Play, Pause, FF, FB, Digital zoom, etc. Function Play, Pause, FF, FB, Digital zoom, etc. Input 8 CH local alarm input, supports IPC alarm input Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Triggering Record, Snap, Preset, E-mail, etc. Protocol TCP / IP, PPDE, DHCP, DNS, DDNS, UPnP, NTP, SMTP PoEort RL\$5 × 8 (IEEEB02.2af, output power: s80W) Remote Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 11.0 or later Poer Resola V Storage HDD' SATA XI, max 8TB per HDD Network Backup Yes Storage Port REASA Yes Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller		Statistic Mode of Face Information	Statistics by day, week, month, quarter as well as customised time period
Playback Playback Maximum 8CH (simultaneous) Search Time slice / Time / Event / Tag search Smart Search Highlighted colour to display the camera record in a certain period of time, different colours refers to different record orents. Function Play, Pause, FF, FB, Digital zoom, etc. Mode Manual, Sensor, Motion, Exception, Smart events Input 8 CH local alarm input, supports IPC alarm input Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Network Protocol Protocol TCP / IP, PPPE, DHCP, DNS, DDNS, UPAP, NTP, SMTP Protocol TCP / IP, PPPE, DHCP, DNS, DDNS, UPAP, NTP, SMTP Protocol TCP / IP, PPPE, DHCP, DNS, DDNS, UPAP, NTP, SMTP Protocol Sentinel Monitoring Sentinel Sentinel Yes, Firmware 11.0 or later Backup & Storage Local Backup Port Network Backup Yes Storage Port Stal XAI, Imax 8TB per HDD Network Backup Yes (Full-duplex), Connect to PTZ or keyboard USB VSB, 20 × 1, USB 3.0 × 1	Mobile Device	OS	iOS, Android
Bigsback Search Time slice / Time / Event / Tag search Playback Smart Search Highlighted colour to display the camera record in a certain period of time, different colours refers to different record events. Punction Play, Pause, FF, FB, Digital zoom, etc. Playback Input S CH local airm input, supports IPC alarm input. Playback Input S CH local airm input, supports IPC alarm input. Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Protocol Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol TCP / IP, PPPGE, DHCP, DNS, DDNS, UPPR, NTP, SMTP Protocol Storage Tos stock, USB mobile HDD	Storage	HDD	SATA x1, max 8TB per HDD
Playback Smart Search Highlighted colour to display the camera record in a certain period of time, different colours refers to different record events. Function Play, Pause, FF, FB, Digital zoom, etc. Make Manual, Sensor, Motion, Exception, Smart events Alarm Input 8 CH local alarm input, supports IPC alarm input Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Network Protocol TCP / IP, PPDE, DHCP, DNS, DDNS, UPNP, NTP, SMTP Protocol TCP / IP, PPDE, DHCP, DNS, DDNS, UPNP, NTP, SMTP Protocol TCP / IP, PPDE, DHCP, DNS, DDNS, UPNP, NTP, SMTP Protocol Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 1.10 or later Backup & Storag Network Backup Yes Network Backup Yes (H-H-duplex), Connect to PTZ or keyboard Others USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Stroky/2.5A Storage HDD: SATA X1, max 8TB per HDD Remote Controller Optional Others Power Supply DC48//2.5A		Playback	Maximum 8CH (Simultaneous)
Smart SearchPrigramFunctionPlay, Pause, FF, FB, Digital zoom, etc.AlarmModeManual, Sensor, Motion, Exception, Smart eventsAlarmInput8 CH local alarm input, supports IPC alarm inputOutput4 CHTriggeringRecord, Snap, Preset, E-mail, etc.NetworkProtocolTCP / IP, PPPCE, DHCP, DNS, DDNS, UPNP, NTP, SMTPPoctocolTCP / IP, PPPCE, DHCP, DNS, DDNS, UPNP, NTP, SMTPPoctocolTCP / IP, PPPCE, DHCP, DNS, DDNS, UPNP, NTP, SMTPMonitoringSanitalYas, Firmware 11.0 or laterBackup & StorageLocal BackupUSB stick, USB mobile HDDBackup & StorageHDD: SATA XI, max 8TB per HDDPortUSBUSB 2.0 × 1, USB 3.0 × 1CheresOptionalSocialPortOptionalSite (USB 2.0 × 1, USB 3.0 × 1)CheresSubstrationalSite (Without HDD and PoE power supply)OthersFower SupplyDC488/2.5AConsumptions 15W (Without HDD and PoE power supply)		Search	Time slice / Time / Event / Tag search
Mode Manual, Sensor, Motion, Exception, Smart events Input 8 CH local alarm input, supports IPC alarm input Output 4 CH Triggering Record, Snap, Preset, E-mail, etc. Network Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPAP, NTP, SMTP PoE Port RM5 × 8 (IEEE802.3af, output power: s80W) Remote Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 1.1.0 or later Backup & Storage Local Backup USB stick, USB mobile HDD Network Backup Yes Storage HDD: SATA x1, max 8TB per HDD Port USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Others Power Supply Octa8V/2.SA Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment 40-50°C, 10%-90% (Humidity)	Playback	Smart Search	
AlarmInput8 CH local alarm input, supports IPC alarm inputOutput4 CHTriggeringRecord, Snap, Preset, E-mail, etc.NetworkInterfaceRI/45 100 Mbps x 1ProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPRemoteImmixCompatible with Immix via RTSP only (2-way audio not supported)MonitoringSentinelYes, Firmware 11.0 or laterBackup & StorageLocal BackupUSB stick, USB mobile HDDNetwork BackupYesYes (Full-duplex), Connect to PTZ or keyboardPortRS485Yes (Full-duplex), Connect to PTZ or keyboardOthersPower SupplyDC48V/2.5AOthersPower SupplyDC48V/2.5AConsumption≤ 15W (Without HDD and PoE power supply)Working Environment-10-50°C, 10%-90% (Humidity)		Function	Play, Pause, FF, FB, Digital zoom, etc.
AlarmOutput4 CHTriggeringRecord, Snap, Preset, E-mail, etc.TriggeringInterfaceR45 1000Mbps x 1NetworkProtocolTCP / IP, PPP6E, DHCP, DNS, DDNS, UPnP, NTP, SMTPPoE PortRM45 x 8 (IEEE802.3af, output power: s80W)RemoteImmixCompatible with Immix via RTSP only (2-way audio not supported)MonitoringSentinelYes, Firmware 1.1.0 or laterBackup & StorageLocal BackupUSB stick, USB mobile HDDPortNetwork BackupYesYesYes (Full-duplex), Connect to PTZ or keyboardPortUSBUSB 2.0 × 1, USB 3.0 × 1Remote ControllerOptionalOthersPower SupplyDc48V/2.5AConsumption≤ 15W (Without HDD and PoE power supply)Wriking Environment-10-50°C, 10%-90% (Humidity)		Mode	Manual, Sensor, Motion, Exception, Smart events
Output4 CHTriggeringRecord, Snap, Preset, E-mail, etc.InterfaceR45 1000Mbps x 1ProtocolTCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTPPoE PortR45 x 8 (IEEE802.3af, output power: s80W)RemoteImmixCompatible with Immix via RTSP only (2-way audio not supported)MonitoringSentinelYes, Firmware 11.0 or laterBackup & StorageLocal BackupUSB stick, USB mobile HDDNetwork BackupYesPortUSB stick, USB mobile HDDRemoteNetwork BackupYes (Full-duplex), Connect to PTZ or keyboardUSBUSB 2.0 × 1, USB 3.0 × 1Remote ControllerOptionalPower SupplyDC48V/2.5AConsumption15W (Without HDD and PoE power supply)OthersVorking EnvironmentHoring Environment10-50°C, 10%-90% (Humidity)	Alorm	Input	8 CH local alarm input, supports IPC alarm input
Network Interface RJ45 1000Mbps x 1 Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPNP, NTP, SMTP PoE Port RJ45 x 8 (IEEE802.3af, output power: s80W) Remote Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 1.1.0 or later Backup & Storage Local Backup USB stick, USB mobile HDD Network Backup Yes Storage Yes Storage HDD: SATA x1, max 8TB per HDD Port USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Optional Others Power Supply DCA8V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10-50°C, 10%-90% (Humidity)	Alann	Output	4 CH
Network Protocol TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP PoE Port R445 × 8 (IEEE802.3af, output power: ≤80W) Remote Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 1.1.0 or later Local Backup USB stick, USB mobile HDD Network Backup Yes Storage HDD: SATA x1, max 8TB per HDD Network USB x0 x1, usB x0 x1 Network 20 x1 Port R5485 Yes (Full-duplex), Connect to PTZ or keyboard USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Optional Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Others Consumption ≤ 15W (Without HDD and PoE power supply) Annotaction		Triggering	Record, Snap, Preset, E-mail, etc.
PoE Port RH45 × 8 (EEE802.3af, output power: ≤80W) Remote Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 11.0 or later Backup & Storage Local Backup USB stick, USB mobile HDD Network Backup Yes Storage HDD: SATA x1, max 8TB per HDD Port RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply Dc48V/2.5A Consumption ≤15W (Without HDD and PoE power supply) Working Environment 10-50°C, 10%-90% (Humidity)		Interface	RJ45 1000Mbps x 1
Remote Monitoring Immix Compatible with Immix via RTSP only (2-way audio not supported) Monitoring Sentinel Yes, Firmware 1.1.0 or later Local Backup Local Backup USB stick, USB mobile HDD Network Backup Yes Storage HDD: SATA x1, max 8TB per HDD RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)	Network		TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP
MonitoringSentinelYes, Firmware 1.1.0 or laterBackup & Local BackupUSB stick, USB mobile HDDBackup & StorageNetwork BackupStorageHDD: SATA x1, max 8TB per HDDRS485Yes (Full-duplex), Connect to PTZ or keyboardUSBUSB 2.0 × 1, USB 3.0 × 1Remote ControllerOptionalPower SupplyDC48V/2.5AConsumption≤ 15W (Without HDD and PoE power supply)Working Environment-10~50°C, 10%~90% (Humidity)		PoE Port	RJ45 × 8 (IEEE802.3af, output power: ≤80W)
Backup & Storage Local Backup USB stick, USB mobile HDD Network Backup Yes Storage HDD: SATA ×1, max 8TB per HDD RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)	Remote	Immix	Compatible with Immix via RTSP only (2-way audio not supported)
Backup & Storage Network Backup Yes Storage HDD: SATA x1, max 8TB per HDD Read RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)	Monitoring	Sentinel	Yes, Firmware 1.1.0 or later
Storage HDD: SATA x1, max 8TB per HDD RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)		Local Backup	USB stick, USB mobile HDD
Port RS485 Yes (Full-duplex), Connect to PTZ or keyboard USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)	Backup & Storage	Network Backup	Yes
Port USB USB 2.0 × 1, USB 3.0 × 1 Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)		Storage	HDD: SATA x1, max 8TB per HDD
Remote Controller Optional Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)			Yes (Full-duplex), Connect to PTZ or keyboard
Power Supply DC48V/2.5A Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)	Port	USB	USB 2.0 × 1, USB 3.0 × 1
Others Consumption ≤ 15W (Without HDD and PoE power supply) Working Environment -10~50°C, 10%~90% (Humidity)		Remote Controller	Optional
Others Working Environment -10~50°C, 10%~90% (Humidity)		Power Supply	DC48V/2.5A
Working Environment -10~50°C, 10%~90% (Humidity)	Others	Consumption	≤ 15W (Without HDD and PoE power supply)
Dimensions 300 × 249 × 45 mm		Working Environment	-10~50°C, 10%~90% (Humidity)
		Dimensions	300 × 249 × 45 mm

This series of the product supports 1 SATA hard drive. Please make sure that the device is powered off before the installation. The pictures of the installation are for reference only.

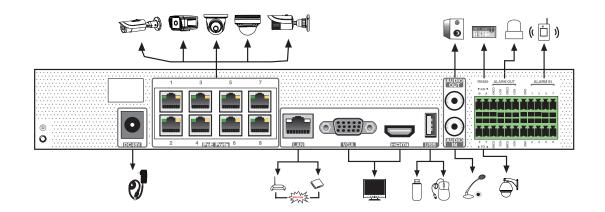
- 1. Loosen the screws to open the cover.
- 2. Screw the screws into the HDD but do not tighten them.
- 3. Place the HDD onto the bottom of the machine.
- 4. Turn over the machine and secure the HDD with the screws.
- 5. Connect the power and data cables.



6. Install back the cover and secure it with the screws.

Note: Please check the inside structure of the device and make sure that the cables are connected well before installing the cover back. Please format the HDD before using.

genie



The interfaces of the rear panel are for reference only.

Name	Description
DC48V	Connector for power input
PoE Ports	PoE network ports, connect to PoE IP camera
LAN	Network port
VGA	Connect to monitor
HDMI	Connect to high definition display device
USB	Connect to USB storage device or USB mouse
AUDIO OUT	Audio output
AUDIO IN	Audio input
P/Z	P/Z; Connector for PTZ
К/В	K/B; Connector for keyboard
ALARM IN	Alarm input, connectors for sensors
ALARM OUT	Alarm inutput
GND	Ground



Startup

- 1. Connect the monitor and the power.
- 2. The device will boot and the power indicator will display blue.
- 3. A wizard window will pop up.

Shutdown

Click "Start" and then select "Shutdown" icon. This will bring up a shutdown window. The device will shut down by clicking "OK" button. Then disconnect the power.





The default username is admin and the default password is 123456. You must configure the wizard if you start the NVR for the first time and you may change the password when you configure the wizard for the first time. You can skip the settings wizard next time. Click "Start" and select "Login". This will take you to see a login box. Enter the default username and password you set. Then you will see the live image.



6.1 Network Configuration & Adding IP Camera

After you finish adding IP cameras, you can see the live images through the monitor of the NVR. The following will mainly introduce how to add the IP cameras via LAN/WAN.

LAN

- Set the network of the NVR. Go to Start → Settings → Network → TCP/IP. Enter IP address, subnet mask, gateway, etc. If using DHCP, please enable DHCP in both the NVR and the router.
- 2. Go to Start \rightarrow Settings \rightarrow Network \rightarrow Port. Enter HTTP port (the default value is 80), server port (the default port is 6036).
- 3. The internal ethernet port is the port which connects all the PoE ports with the NVR system. The PoE ports are available if the internal ethernet port is online. If it is offline, all the PoE ports will be unavailable. The IP address and subnet mask of the internal ethernet port can be changed to make the port in the same network segment with the IP cameras which directly connect to the PoE ports of the NVR.

IP Add	Iress Sett	ings					
Ether	net Port 1 (Online) Internal Ethernet Port (Onli	ne)				
0	btain an IPv	4 address automatically		Dbtain an I	Pv6 address auto	matically	
Addre	\$\$	192.168.1.2		Address			
Subne	t Mask	255 . 255 . 255 . 255		Mask Length	0		
Gatew	ay	192.168. 1. 1		Gateway			
мти		1500					
0 🗹	btain DNS a	utomatically					
Prefer	red DNS						
Altern	ate DNS						
						Apply	

4. Go to Start → Settings → Camera → Add Camera. The NVR will automatically refresh the cameras searched. The IPC which supports the Onvif protocol may be added manually. If the IPC searched is not in the same local network as the NVR, you should select the device and click to modify the IP address.

				Add Camera			×		Edit IP	×
Quickly Ad	d Manually Add	l Ad	d Reco	rder				Mac Address	CE :98 :23 :75 :35 :22]
□ No.	↑ Address 🗸 🗸	Port	Edit	✓ Subnet Mask	Protocol	Model	Version	Address	192.168. 1.45	Sync to IPC
	192.168.1.20	80	٨	255.255.255.0	xxx	xxx	3.4.2	Subnet Mask	255.255.255.0]
2	192.168.1.38	80	٨	255.255.255.0	xxx	xxx	3.4.2	Gateway	192.168. 1 . 1	
✓ 3	192.168.2.45	80	ø	255.255.255.0	XXX	XXX	4.0.0.1.beta1	Username	admin]
<							>	Password	•••••]
Selecte	d: 1/3									Cancel
Remain	Bandwidth: 108 / 1	20 Mb		Default Passwe	ord	Add	Cancel			

5. Checkmark the device you want to add and then click "Add" button.The NVR will automatically refresh the cameras and return to "Edit Camera" interface. "Online" status means connecting the device successfully and you will see the live image. You may select the added device and click we button to modify channel, IP address, etc.

Came	era Signal	Edit Camera	IP	Planning							
							Se	earch Camera			ৎ +
↓No.	Camera Name	Address	Port	Status	Protocol	Model	Preview	F 49	✓ Upgrade	~	Version
▼ NO.			Port	Status	Protocol	Model		Edit	• Opgrade	×	version
1	IP Camera 1	192.168.1.45	80	Online	XXX	XXX	0	🖉 💼	<u> </u>		4.1.0.0
2	[A01]Camera1						o	🔊 🖈 💼			
3	[A02]Camera2						\odot	۵	Ť		
4	[A03]Camera3						۲	D 🖉			
5	[A04]Camera4						⊙	D 🗊	t		

	Edit Camera	×
Camera Name	IP Camera 1	
Address	192.168. 1.58	Sync to IPC
Port	80	
Protocol	xxx	~
Model	XXX	
Username	admin	
Password	•••••	
	Test OI	K Cancel

WAN

- Set the network of the NVR. Go to Start → Settings → Network → PPPoE. Enter static IP address or enable PPPoE and then enter the user name and password received from your ISP.
- Go to Start → Settings → Camera. Click "Add Camera" or behind the column of the search camera and select "Manually Add" to add the IP cameras. Enter IP address, server port, username and password of the IP camera. The IP camera must be connected over WAN. And here the IP address of the IP camera must be a WAN IP address.



You can use the UPnP function to enable the fast connection of the device to WAN via a router without port mapping.

- 1. Go to Start \rightarrow Settings \rightarrow Network \rightarrow UPnP, and enable UPnP and then click "Apply" button to save.
- 2. Enable the UPnP function in the router.
- 3. Click "Refresh" button to refresh the UPnP status. If the UPnP status were still "Invalid UPnP" after refreshing it for several times, the port would be wrong. Please change the mapping type to "Manual" and then click to modify the port until the UPnP status turns to "valid UPnP".

UPnP					
🛃 Enable					
Мар Туре	Auto 🗸				
Port Type	External Port	External Address	Port	UPnP Status	Edit
HTTP Port	80	183.17.254.19	80	Valid UPnP	٨
HTTPS Port	443	183.17.254.19	443	Valid UPnP	
Server Port	6036	183.17.254.19	6036	Valid UPnP	
RTSP Port	554	183.17.254.19	554	Invalid UPnP	
				Refresh Ap	ply

NAT Settings

- 1. The NVR shall be powered on and connected to the network.
- Go to Start → Settings → Network → TCP/IP. You can obtain the IP address, subnet mask and gateway automatically. You can also manually enter them according to the actual network situation. Please make sure the network segment is the same as that of the network which is used.
- 3. Set the preferred or alternative DNS Server. Click "Apply" to save the parameters.
- Go to Start → Settings → Network → NAT tab. Enable NAT and select the NAT Server Address (The default NAT Server Address is nat.autonat.com). Click "Apply" to save the parameters.

NAT		
Visit Address	www.autonat.com	
NAT Server Address	nat.autonat.com	
		Apply

NAT Access

After finishing the NAT settings, you can enter www.autonat.com in the address bar of your browser and then press enter to go to the following interface. If you are the first time to access the NAT, you shall download and install the plug-in according to the tips. After installing the plug-in successfully, it will pop up the login box.

第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第二第	Enter device serial number	
		1
1	Enter Username	
	Enter Password	
	Login	

Device Serial Number:

Click \blacksquare on the menu bar at the bottom of the live interface to check the serial number or go to Start \rightarrow Settings \Rightarrow Network \Rightarrow Network Status to check the serial number of the NVR).

Username:

The username of the NVR. The default username is admin.

Password:

The password of the NVR. The password is set by yourself when you configure the wizard for the first time.



9.1 Manual Recording

Before recording, please install and format a HDD. In the live interface you can see the menu toolbar. Click abutton to start recording. Click it again to stop recording. You can also click I to check the status of the recording.



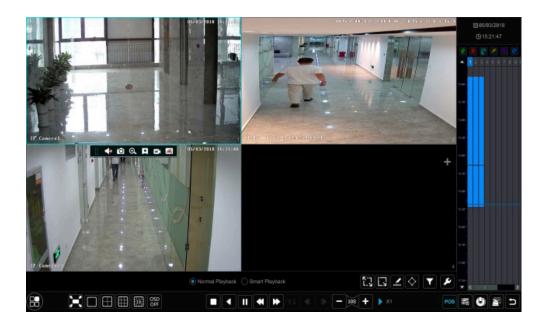
9.2 Playback

Instant Playback

Click "Instant Playback" in the right-click menu of the camera's preview window to select or drag the playback progress bar to change the playback time to play back the record.

General Playback

Click in the tool bar at the bottom of the live preview interface or click Start → Playback to go to the playback interface as shown below. You can also add the playback cameras manually. Click in the playback window to pop up the "Add Camera" window. Check the cameras in the window and then click "Add" to add playback camera. The record files of the added playback camera will be played in the playback interface.



Sales +44(0)1707 330541 Enquiries sales@genieproducts.co.uk Website www.genieproducts.co.uk

