



NVR PNI House IP810



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Main functions

- Simultaneous recording in real time on several channels, remote playback and configuration from PC and Smartphone applications.
- Input 4 POE IPC cameras (with direct power supply)
- IEEE802.3af/1a standard support, compatible with power receiving equipment (PD) that supports IEEE802.3af/at
- Supports 10ch 4K access; It supports the function of capturing and comparing the face
- Simultaneous video output on VGA and HDMI.
- Backup on USB stick and external HDD.
- Supports human shape detection and PTZ control (depending on the camera)
- Possibility of connecting an external microphone and external speaker.
- Intelligent AI functions:
 - E-fence – push connection, large screen, NVR voice alarm and other alarm functions (only available with a camera with this function)
 - Line-crossing - push connection, large screen, NVR voice alarm and other alarm functions (only available with the camera with this function)
 - Duty-off detection - push connection, large screen, NVR voice alarm and other alarm functions (only available with the camera with this function)
 - Passenger flow statistics - supports passenger flow query (available only with the camera with this function)
 - AI playback - Supports human AI playback, etc. in which the playback is more accurate. (available only with the camera with this function)
 - Face detection – Supports face detection and comparison; For functionality, you must connect cameras equipped with the face detection and comparison function on one or more of the 10 channels, allowing full compatibility. (available only with the camera with this function)
 - Mask - push connection, large screen, NVR voice alarm and other alarm functions (available only with the camera with this function)
 - LPR - push connection, large screen, NVR voice alarm and other alarm functions (only available with the camera with this function)

Technical specifications

Number of channels	4 / 9 / 10 IP
Registration resolution	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Playback resolution	Max. 4K (HDMI) Max. 1080P (VGA)
Video outputs	1 x VGA / 1 x HDMI
Audio output	1 x jack 3.5", HDMI Output
Ethernet	1 x RJ45 10/100Mbps self-adaptive Ethernet interface
USB	2 x USB2.0 for mouse and backup
Video compression	H.264 / H.265
Audio compression	G.711U G.711A G.726
Audio recording	1 to 1 from cameras equipped with this function
Registration modes	Manual, intelligent, motion detection, scheduled
Registration search modes	By time, Navigation in history, By event, by stored images
Display resolution	1 x 4K / 2 x 5MP
Smart playback modes	Supports search and playback by intelligent AI functions; Supports video search by person name and facial identity (face capture)
Smart functions	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Face capture, Face comparison, LPR, Mask (only with compatible camera)
HDD	2 x HDD SATA (max. 14TB), not included
Camera protocol	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (Windows PC)
Power supply	52V / 1.25 A
Consumption	<15W (without the HDD)
Dimensions	255 x 210 x 40 mm

Instructions for use

Product description



1	DC 52V	5	VGA output
2	POE camera input	6	HDMI output
3	LAN	7	USB
4	Audio output		

Installing the HDD

Before the first use, please install the HDD.

2 SATA hard disks with a maximum capacity of 14TB can be installed in the housing of the recording unit (the HDD is not included in the package).

- Loosen the screws and remove the DVR cover
- Connect the data cables and fix the hard disk with the screws inside
- Put the DVR cover back
- Connect the power cable, internet, mouse and monitor to the DVR

Turn the NVR On

Insert the power cable into a 230V socket. The DVR will start.

- The "PWR" indicator LED will light green.
- The "NET" LED will light up if the NVR is connected to a local network with internet access
- The "REC" LED will light up if you have connected an HDD and the recording is started.

The Quick Setup Guide will appear on the screen to help you make quick

system settings for minimal operation.

Notes:

1. Check if the input voltage corresponds to the recommended voltage of the device. The supply voltage is 230V±10% / 50 Hz 2A.
2. We suggest you use a UPS device to protect the device from voltage variations and for autonomy during short power interruptions from the supplier.

Warning: voltage variations in the network caused by electric discharges, overvoltages, etc. can lead to the failure of the defective power source that is not covered by the warranty.

Turn the NVR Off

There are two methods of turning off the device.

1. Recommended: Press the "Power" button in the upper right corner and select the "Shutdown" option
2. Turn off the power supply.

Remote control of the NVR

The DVR can be controlled locally or remotely from both smartphones and computers with Windows operating system.

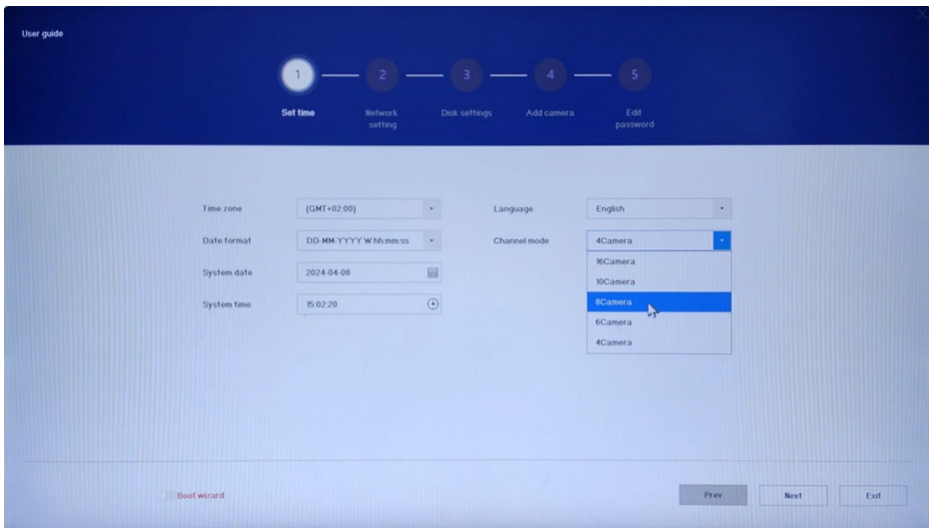
Compatible app: P6Slite (Android, iOS), EasyVMS (Windows)

Quick configuration

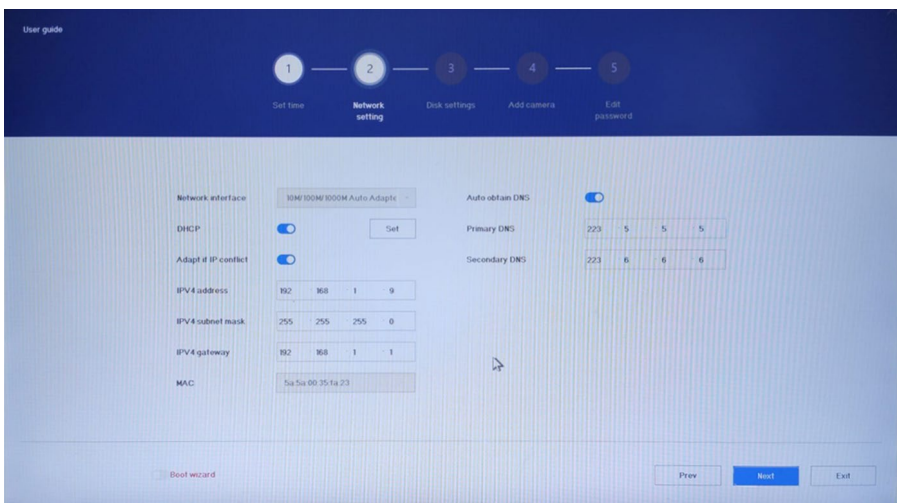
After turning on the device, the quick setup guide will start. Note: We recommend configuring the system before installing the DVR and cameras in the final location.

Steps to follow from the quick installation guide:

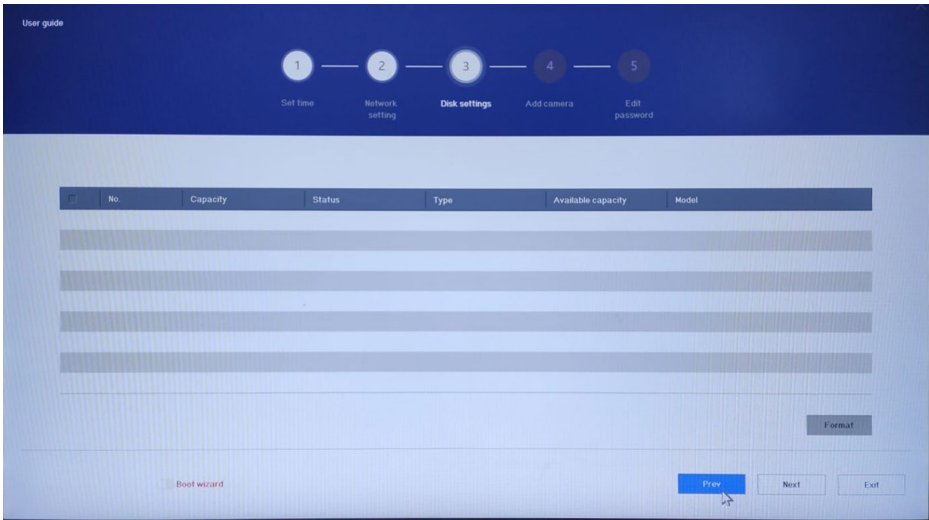
1. Set the time, date, time zone, language and number of cameras to be installed.



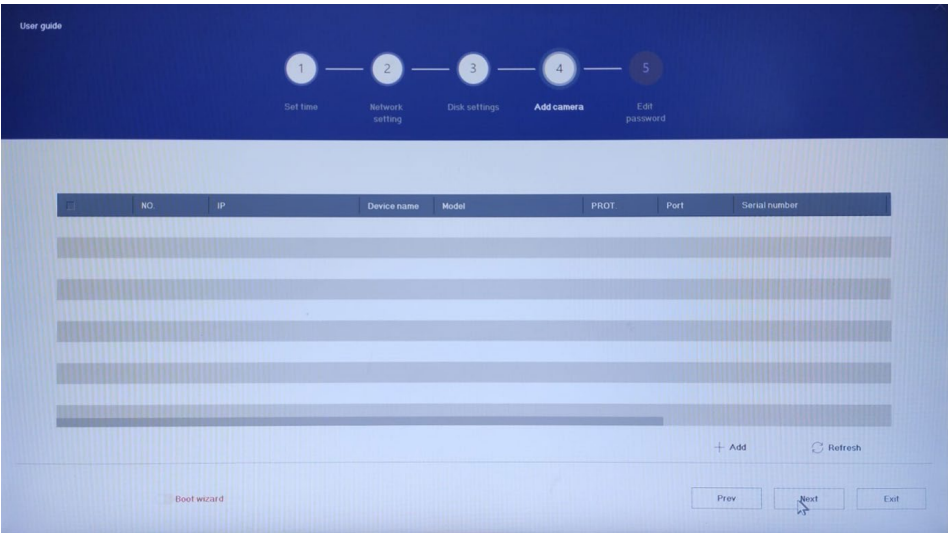
2. Check/modify the network settings according to your network, or check DHCP, Adapt if IP conflict and Auto-obtain DNS to retrieve automatic settings from the router.



3. If you have installed a storage unit (HDD) in the NVR, the model and capacity will appear in this menu (we only recommend dedicated devices for surveillance systems and for 24/7 operation).



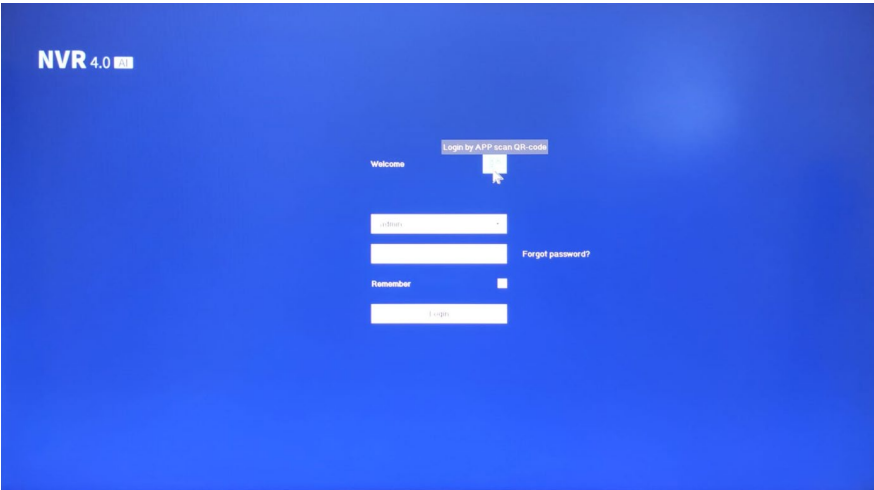
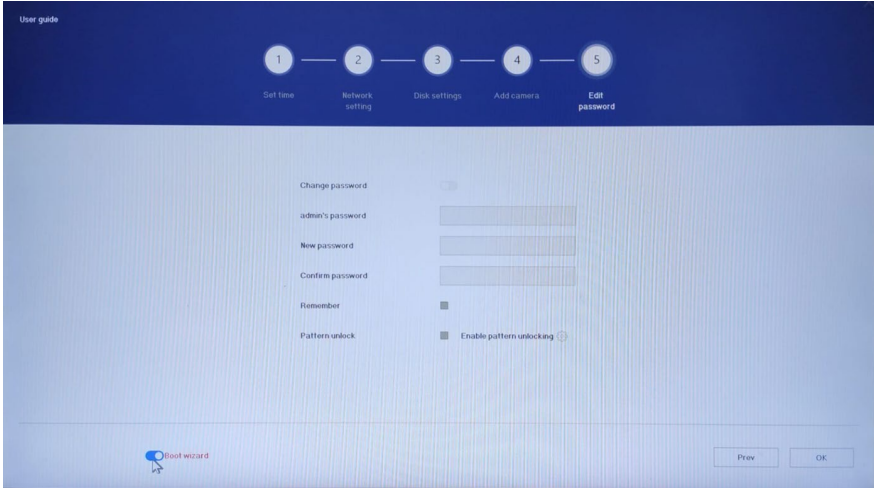
4. This menu is dedicated to adding IP cameras connected (and powered according to the indications) in the same network as the NVR. Here you can update and/or add the list of rooms from the same network.



5. This last step of the quick guide will ask you to change the factory password of the NVR with your own private one. This must be 8-16 characters, at least

one capital letter and at least one number. From this menu you can also activate a drawing password.

Note: For the security of your system, we recommend changing the password after the first login in the system and writing this password separately in an address book or a safe place to avoid forgetting it.

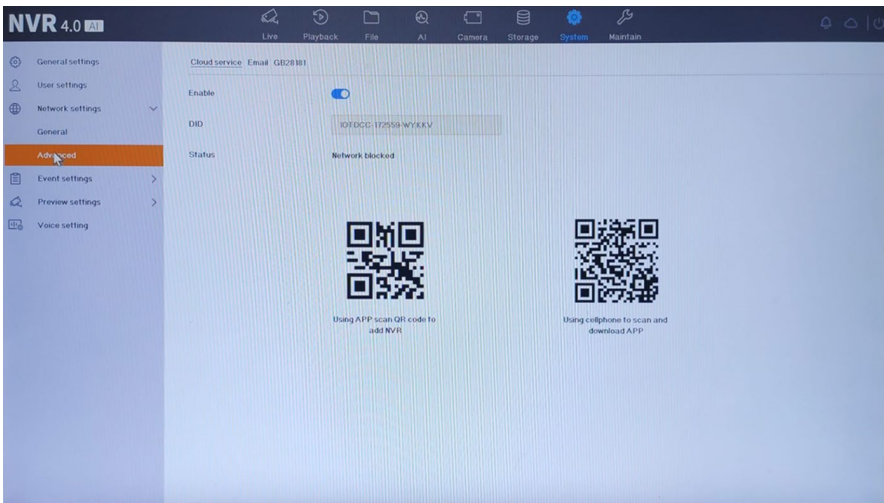


Test the network

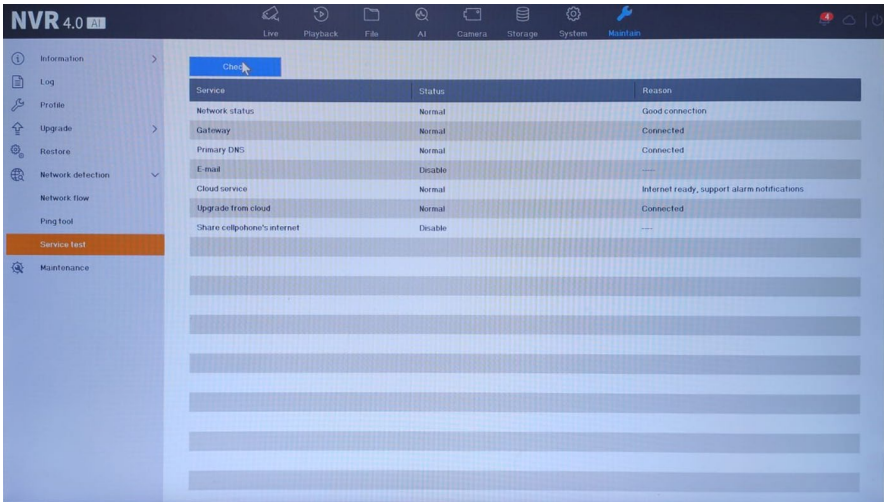
To check the connection to the network/server you can check in 2 ways:

1. System/Network settings / Advanced where in the Status submenu you will find:

- Internet ready, support alarm notifications - Internet connection successful;
"Network blocked" - Network/internet unavailable



1. Maintain/Network detection where you have several tools to check the connection status to the local network, the Internet and the server.



If the message displays "Network blocked" or "Connect failed" check:

- network cable - functionality
- the port in the router/switch where you inserted the cable if it has internet access
- if the network settings in the System/Network settings/General menu are correct.
- Check "DHCP", "Adapt if IP conflict" and "Auto obtain DNS", apply the settings and check the connection status again.

Main menu

Live menu

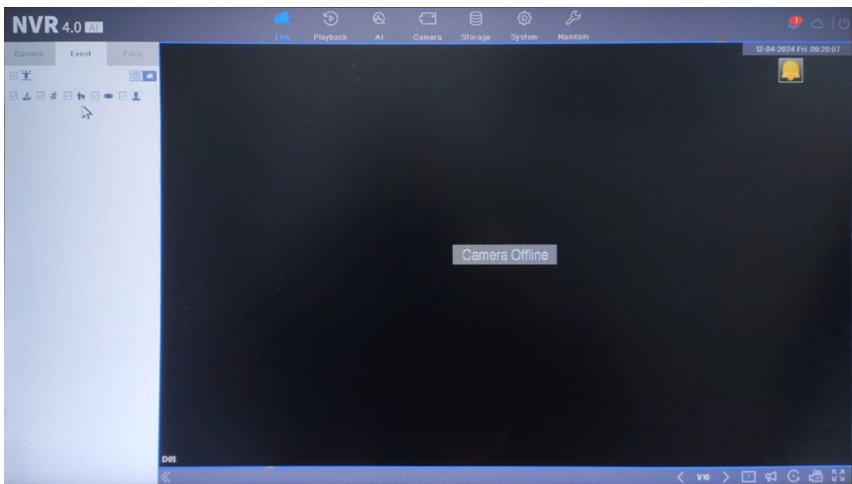
This menu allows 2 main actions

1. "Camera" - Real-time viewing of the images transmitted by cameras depending on the need: 1/4/9/10/16 channels, full or reduced screen, navigation between cameras. Also here you can make settings on recording control.

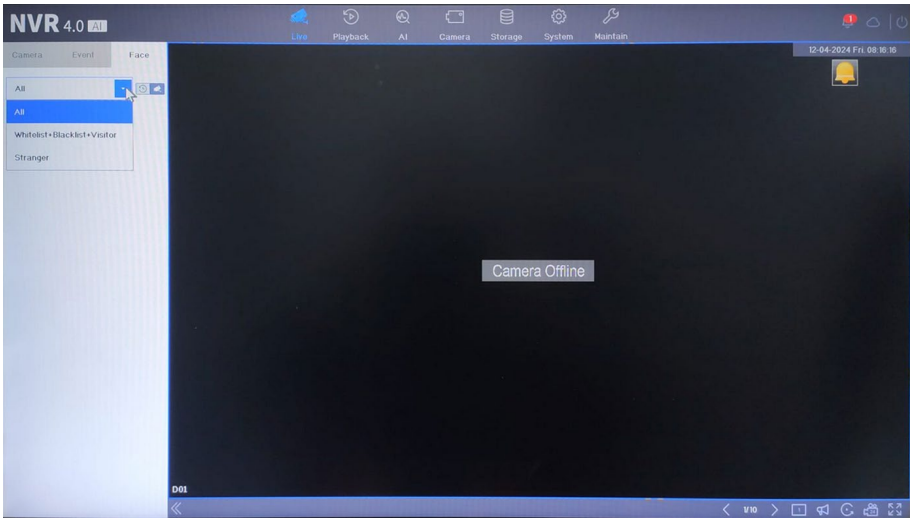


„Event” – Searching and accessing the list of recorded events according to the AI settings made in the dedicated menu: humanoid detection, electronic fence, Cross-boundary, Off-duty detection, Mask, Face detection.

As secondary functions on each individual channel we find: "Quick playback", "PTZ Control", "Zoom", "Sound control", "Camera information", "Bidirectional sound", "Snapshot", "Camera information"



"Face" - Search the list of facial detection events: Whitelist + Blacklist + Visitor, Stranger



Playback menu

This menu allows 2 main actions

"Common playback" - This menu allows the playback of recordings according to searches made by camera and date: Year, Month, week, day.



"Smart playback" – This menu allows searching and intelligent playback of recordings depending on the searches performed by camera and type of event: Motion event, Humanoid event, Eelectronic fence, Cross-boundary, Off-duty detection, Passenger flow.

In addition to these main actions, we also have secondary playback/navigation actions on the selected video clips.

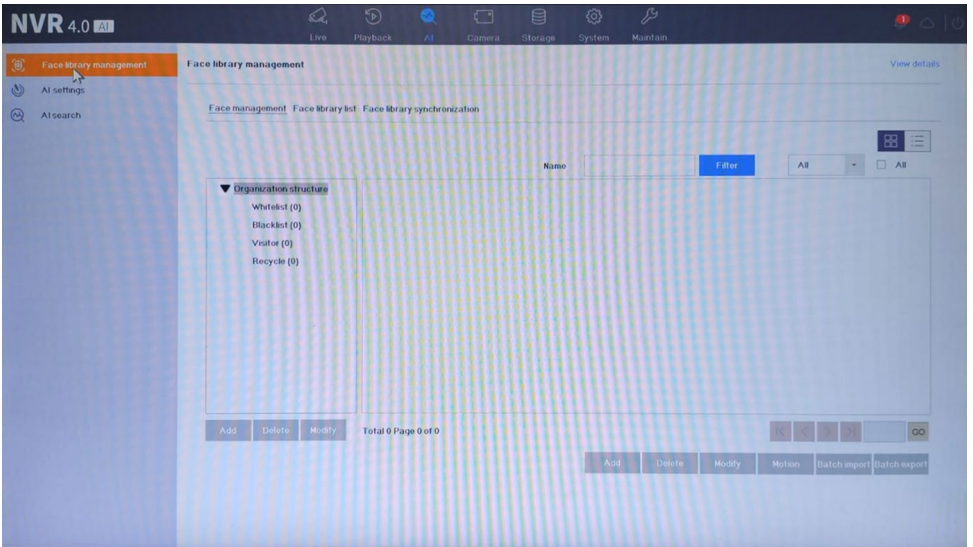


Another important function that can be found in this menu is that of "Backup" - saving recordings on an external storage medium (Stick or external USB Hdd)

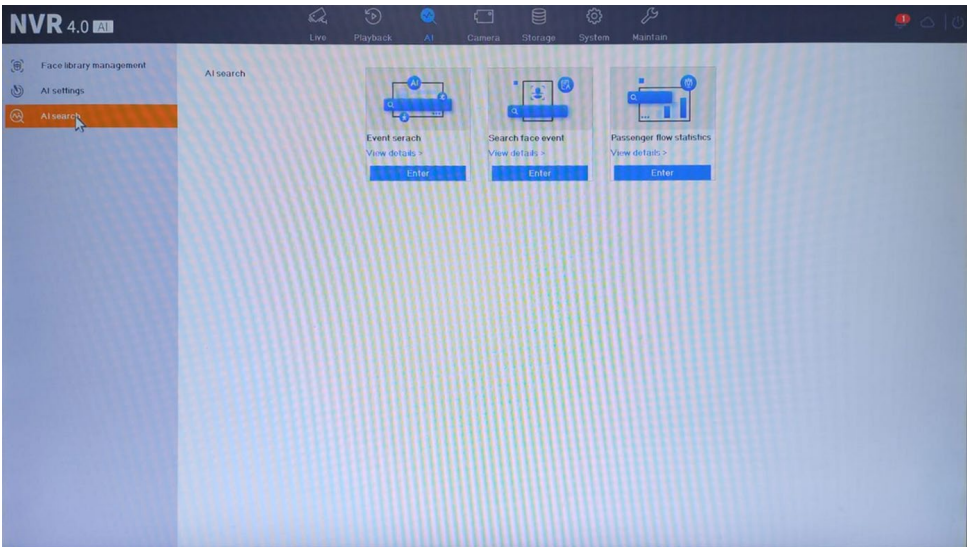
AI menu

This menu allows 2 main actions

1. "Face Library management" - This menu allows the management/search of facial detection and saving events (human face)
2. "AI settings" - This menu allows setting the action for the different types of AI events (only if that camera supports these functions)



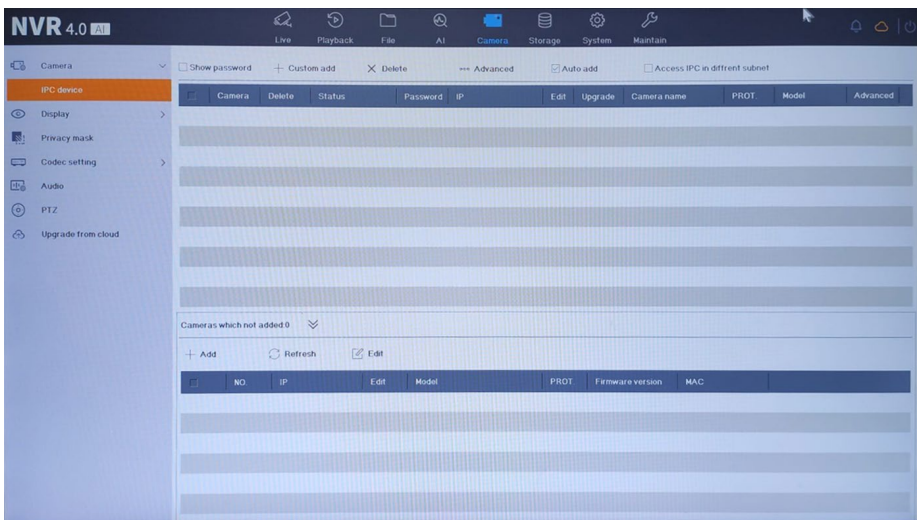
„AI search” – This menu allows advanced searches based on AI events



Camera menu

This menu allows access to 7 submenus with camera settings:

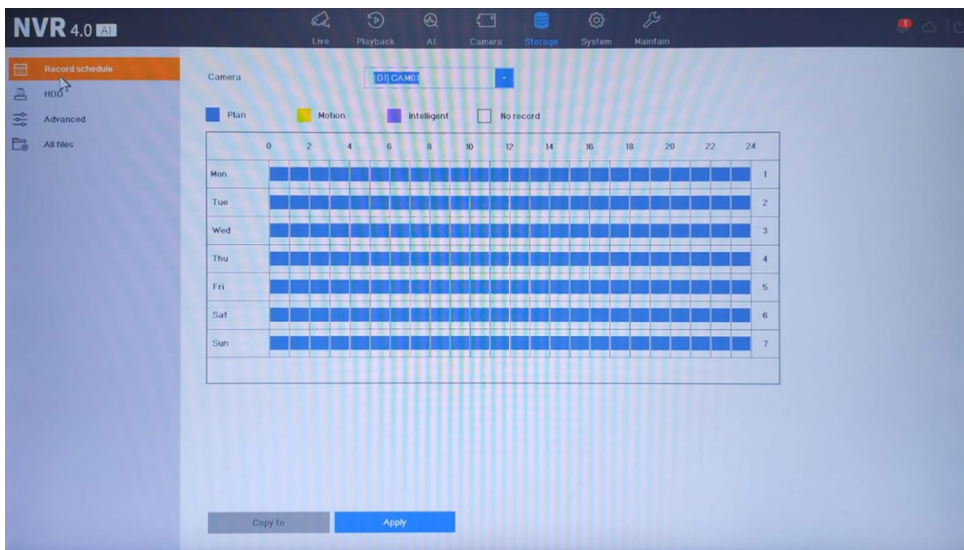
1. "Camera" – This submenu provides access to the IPC camera management part: Add, configure, delete, etc. (if available)
2. "Display" - This submenu provides access to the management part of: Displaying the name and date for each individual room; Color settings for each individual channel; Lighting settings for each individual room. (if available)
3. "Privacy mask" - This submenu provides access to the image mask management part;
4. Codec settings - This submenu provides access to the management part of the video coding part: Main stream and sub stream. (if available)
5. "Audio" - This submenu provides access to the management part of the sound taken from the camera (if available)
6. "PTZ" - This submenu provides access to the management part of the camera movement (if available)
7. "Upgrade from Cloud" - This submenu provides access to the management part of the firmware update on the server (if available)



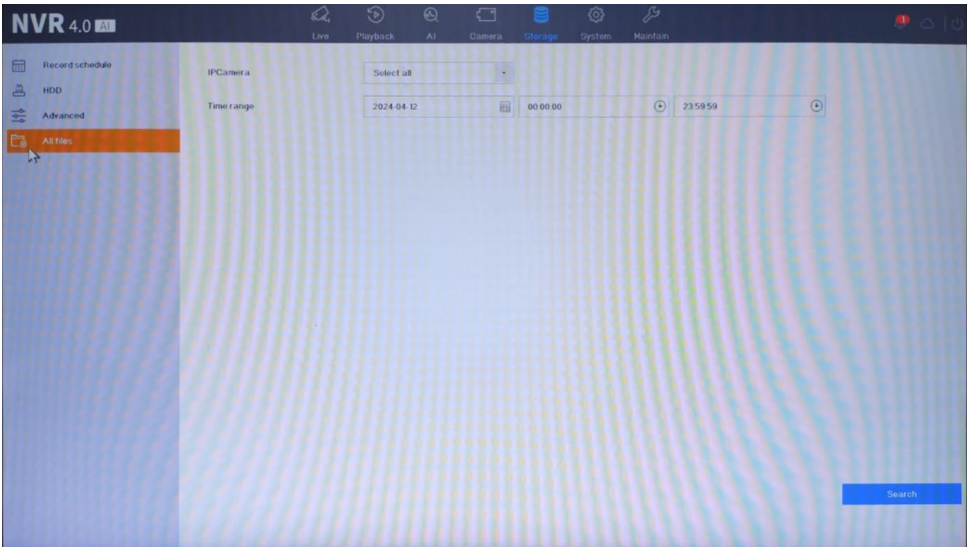
Storage menu

This menu allows access to 3 submenus with recording settings:

1. "Record schedule" - this submenu allows configuring the recording schedule for each channel/camera separately: planned, motion detection, smart or off;
2. "HDD" - this submenu allows displaying the status of the internal storage unit: total space, remaining space, estimated recording time, etc.
3. "Advanced" – this submenu allows advanced settings on the storage/recording side.



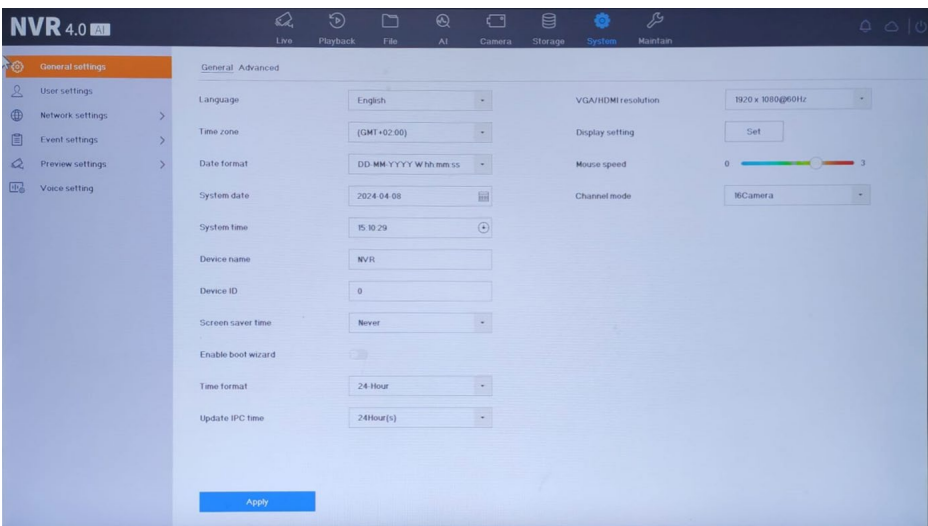
„All files” - This menu allows you to search for video recordings / photos according to the selected period: Start date - End date. This menu also allows saving the selected recordings on an external storage device.



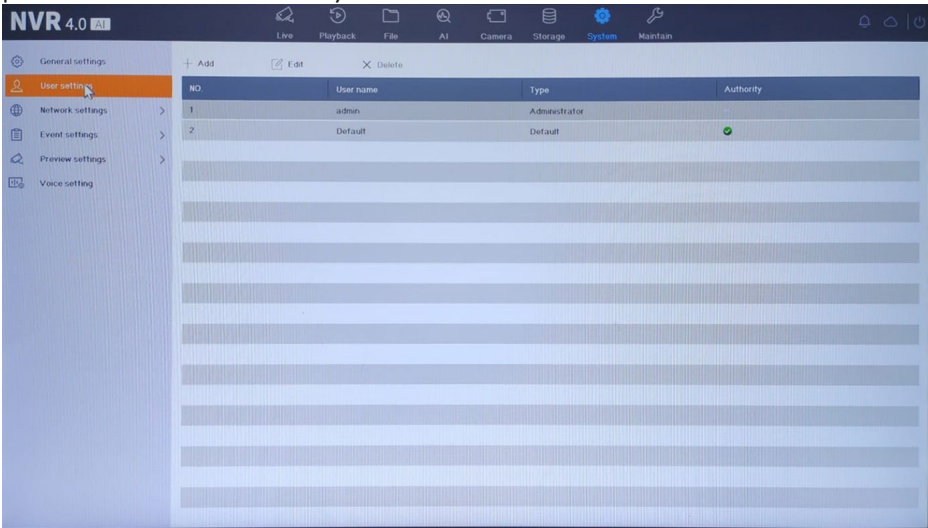
System menu

This menu allows access to 6 submenus with system settings:

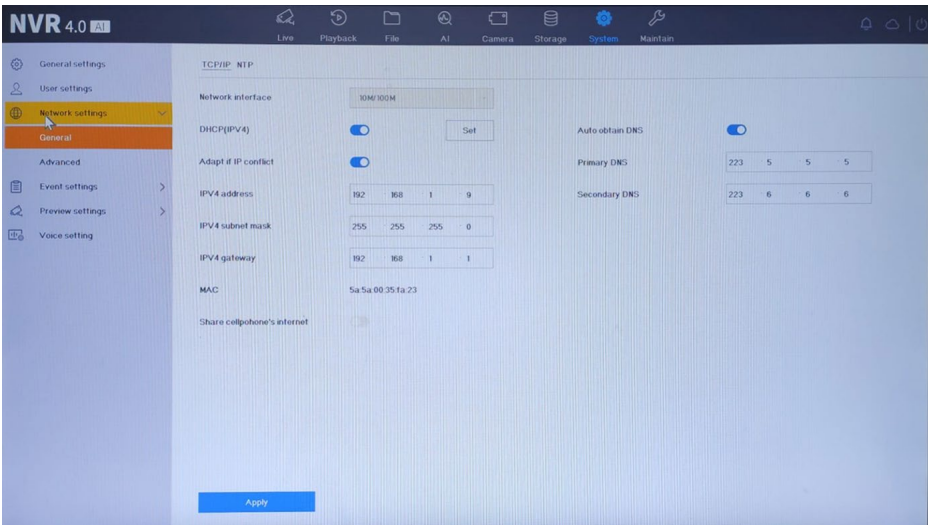
1. "General settings" - here we find general and advanced system settings such as: Language, date, name, ID, number of cameras, output resolution, etc.

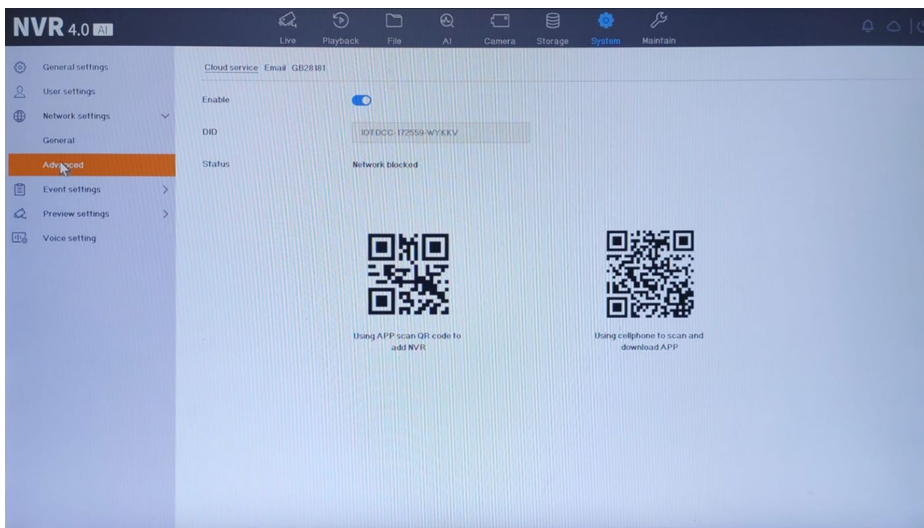


1. „User settings” – this submenu allows editing/creating/managing users and passwords that access the system

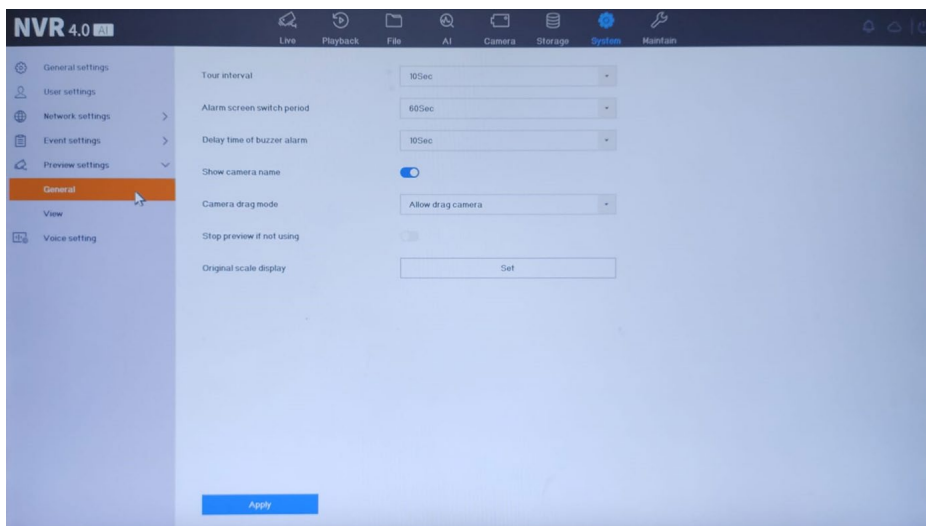


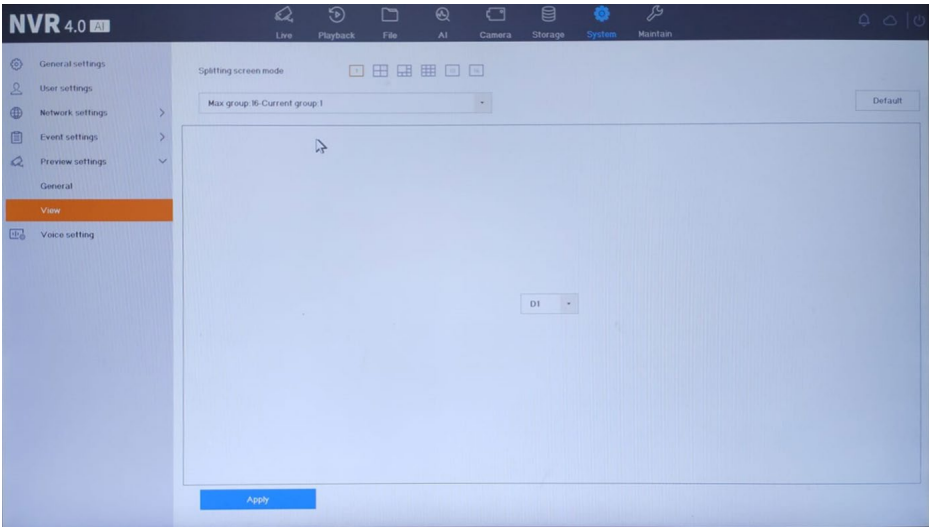
2. „Network settings” – this submenu allows the configuration of general and advanced network/server/DID series and mobile application settings.



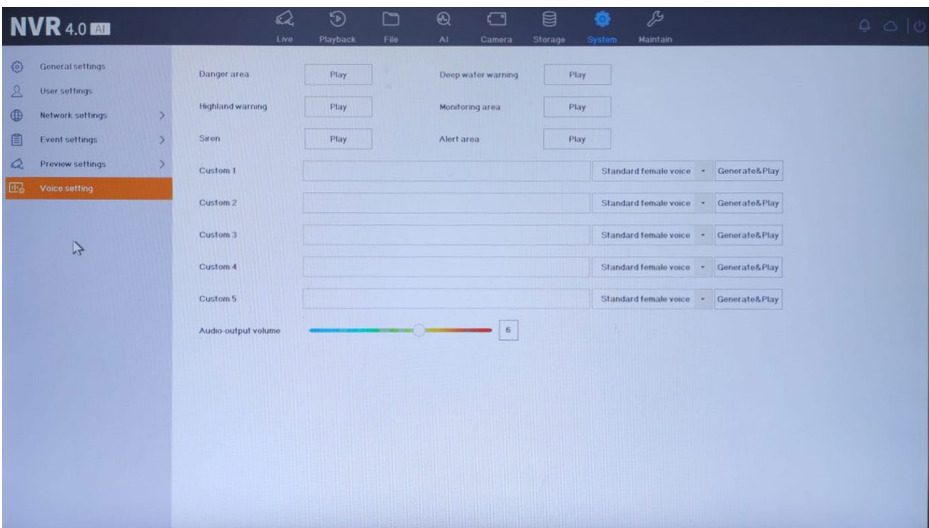


3. "Event settings" - here we find the event settings part available depending on the equipment level of the surveillance cameras.
4. "Preview settings" - we find settings for displaying images, alarms, audio notifications and camera groups.





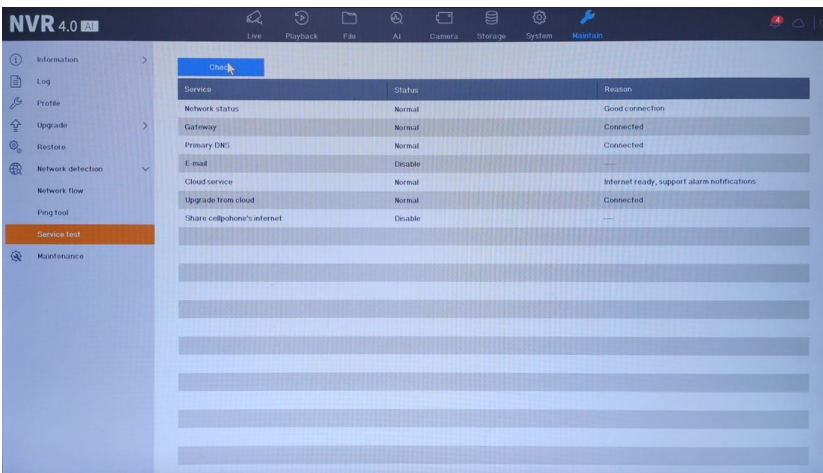
5. „Voice setting” – this sub-menu allows configuring the audio alerts that the NVR can transmit on the audio output.



Maintain menu

This menu allows access to 7 submenus with information about the system and administrative settings:

1. "Information" - contains information about system status, camera status, recording status, network status, storage media status (HDD), connected users, installation.
2. "Log" - here we find a historical log with all the events and system changes made in the past.
3. "Profiles" - we find a solution to save/import user profile and settings
4. "Upgrade" - we find the device software update option
5. "Restore" - we have the options of simple or advanced reset of the system to factory settings
6. "Network detection" - we find diagnostic options for network connection status, network communication times and internet connection check.



7. „Maintenance” – This sub-menu allows regular maintenance – scheduled system restart once at a certain set period of time.

Технически спецификации

Брой канали	4 / 9 / 10 IP
Резолюция за регистрация	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Резолюция на възпроизвеждане	Макс. 4K (HDMI) Макс. 1080P (VGA)
Видео изходи	1 x VGA / 1 x HDMI
Аудио изход	1 x жак 3,5", HDMI изход
Ethernet	1 x RJ45 10/100Mbps самоадаптивен Ethernet интерфейс
USB	2 x USB2.0 за мишка и резервно копие
Видео компресия	H.264 / H.265
Аудио компресия	G.711U G.711A G.726
Аудио запис	1 към 1 от камери, оборудвани с тази функция
Режими на регистрация	Ръчно, интелигентно, засичане на движение, по график
Режими на търсене при регистрация	По време, Навигация в историята, По събитие, по съхранени изображения
Разделителна способност на дисплея	1 x 4K / 2 x 5MP
Интелигентни режими на възпроизвеждане	Поддържа търсене и възпроизвеждане чрез интелигентни AI функции; Поддържа видео търсене по име на човек и лицева идентичност (улавяне на лице)
Интелигентни функции	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Заснемане на лице, сравнение на лица, LPR, маска (само със съвместима камера)
HDD	2 x HDD SATA (макс. 14TB), не са включени
Протокол на камерата	P6S, ONVIF
ПРИЛОЖЕНИЕ	P6Slite (Android/iOS), EasyVMS (Windows PC)
Захранване	52V / 1.25 A
Консумация	<15W (без HDD)
Размери	255 x 210 x 40 mm

Technische Spezifikationen

Anzahl der Kanäle	4 / 9 / 10 IP
Registrierungsauflösung	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Wiedergabeauflösung	Max. 4K (HDMI) max. 1080P (VGA)
Videoausgänge	1 x VGA / 1 x HDMI
Audioausgang	1 x Klinke 3,5 Zoll, HDMI-Ausgang
Ethernet	1 x RJ45 10/100 MBit/s selbstanpassende Ethernet-Schnittstelle
USB	2 x USB2.0 für Maus und Backup
Video-Kompression	H.264 / H.265
Audiokomprimierung	G.711U G.711A G.726
Audio Aufnahme	1 zu 1 von Kameras, die mit dieser Funktion ausgestattet sind
Registrierungsmodi	Manuell, intelligent, Bewegungserkennung, geplant
Registrierungssuchmodi	Nach Zeit, Navigation im Verlauf, Nach Ereignis, nach gespeicherten Bildern
Bildschirmauflösung	1 x 4K / 2 x 5 MP
Intelligente Wiedergabemodi	Unterstützt Suche und Wiedergabe durch intelligente KI-Funktionen; Unterstützt die Videosuche nach Personennamen und Gesichtsidentität (Gesichtserfassung)
Intelligente Funktionen	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Gesichtserfassung, Gesichtsvergleich, LPR, Maske (nur mit kompatibler Kamera)
Festplatte	2 x HDD SATA (max. 14 TB), nicht im Lieferumfang enthalten
Kameraprotokoll	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (Windows-PC)
Stromversorgung	52V / 1,25 A
Verbrauch	<15 W (ohne Festplatte)
Maße	255 x 210 x 40 mm

Especificaciones técnicas

Número de canales	4 / 9 / 10 IP
Resolución de registro	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Resolución de reproducción	Máx. 4K (HDMI) Máx. 1080P (VGA)
Salidas de vídeo	1xVGA/1xHDMI
Salida de audio	1 x conector de 3,5”, salida HDMI
Ethernet	1 interfaz Ethernet autoadaptable RJ45 10/100Mbps
USB	2 x USB2.0 para mouse y respaldo
Compresión de video	H.264/H.265
Compresión de audio	G.711U G.711A G.726
Grabación de audio	1 a 1 de cámaras equipadas con esta función
Modos de registro	Manual, inteligente, detección de movimiento, programada
Modos de búsqueda de registros	Por tiempo, Navegación en el historial, Por evento, por imágenes almacenadas
Resolución de pantalla	1x 4K / 2x 5MP
Modos de reproducción inteligentes	Admite búsqueda y reproducción mediante funciones inteligentes de IA; Admite búsqueda de video por nombre de persona e identidad facial (captura de rostro)
Funciones inteligentes	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Captura de rostros, Comparación de rostros, LPR, Máscara (solo con cámara compatible)
disco duro	2 x HDD SATA (máx. 14 TB), no incluidos
Protocolo de cámara	P6S, ONVIF
App	P6Slite (Android/iOS), EasyVMS (PC con Windows)
Fuente de alimentación	52V / 1,25A
Consumo	<15W (sin el disco duro)
Dimensiones	255 x 210 x 40 mm

Spécifications techniques

Nombre de canaux	4 / 9 / 10 IP
Résolution d'inscription	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Résolution de lecture	Max. 4K (HDMI) Max. 1080P (VGA)
Sorties vidéo	1 x VGA / 1 x HDMI
Sortie audio	1 x prise jack 3,5", sortie HDMI
Ethernet	1 x interface Ethernet auto-adaptative RJ45 10/100 Mbps
USB	2 x USB2.0 pour la souris et la sauvegarde
Compression de vidéo	H.264 / H.265
Compression audio	G.711U G.711A G.726
Enregistrement audio	1 à 1 depuis les caméras équipées de cette fonction
Modes d'inscription	Manuel, intelligent, détection de mouvement, programmé
Modes de recherche d'inscription	Par heure, Navigation dans l'historique, Par événement, par images stockées
Résolution d'affichage	1 x 4K / 2 x 5MP
Modes de lecture intelligents	Prend en charge la recherche et la lecture par des fonctions intelligentes d'IA ; Prend en charge la recherche vidéo par nom de personne et identité faciale (capture de visage)
Fonctions intelligentes	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Capture de visage, comparaison de visage, LPR, masque (uniquement avec appareil photo compatible)
Disque dur	2 x HDD SATA (max. 14 To), non inclus
Protocole de caméra	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (PC Windows)
Source de courant	52 V / 1,25 A
Consommation	<15W (sans le disque dur)
Dimensions	255 x 210 x 40 mm

Műszaki adatok

Csatornák száma	4 / 9 / 10 IP
Regisztrációs határozat	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Lejátszási felbontás	Max. 4K (HDMI) max. 1080p (VGA)
Videó kimenetek	1 x VGA / 1 x HDMI
Hang kimenet	1 x jack 3,5" HDMI kimenet
Ethernet	1 db RJ45 10/100Mbps önadaptív Ethernet interfész
USB	2 x USB2.0 az egérhez és a biztonsági mentéshez
Videó tömörítés	H.264 / H.265
Hangtömörítés	G.711U G.711A G.726
Hangfelvétel	1-1 az ezzel a funkcióval felszerelt kameráktól
Regisztrációs módok	Manuális, intelligens, mozgásérzékelés, ütemezett
Regisztrációs keresési módok	Idő szerint, Navigáció az előzményekben, Esemény szerint, tárolt képek szerint
Kijelző felbontása	1 x 4K / 2 x 5 MP
Intelligens lejátszási módok	Támogatja a keresést és a lejátszást intelligens AI-funkciókkal; Támogatja a videókeresést személynév és arcaazonosító alapján (arcrögzítés)
Intelligens funkciók	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Arcrögzítés, Arcösszehasonlítás, LPR, Maszk (csak kompatibilis kamerával)
HDD	2 x HDD SATA (max. 14 TB), nem tartozék
Kamera protokoll	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (Windows PC)
Tápegység	52V / 1,25 A
Fogyasztás	<15W (HDD nélkül)
Méret	255 x 210 x 40 mm

Specifiche tecniche

Numero di canali	4 / 9 / 10 IP
Risoluzione della registrazione	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Risoluzione della riproduzione	Massimo. 4K (HDMI)Massima. 1080P (VGA)
Uscite video	1 VGA / 1 HDMI
Uscita audio	1 jack da 3,5", uscita HDMI
Ethernet	1 interfaccia Ethernet autoadattativa RJ45 10/100Mbps
USB	2 USB 2.0 per mouse e backup
Compressione video	H.264 / H.265
Compressione audio	G.711U G.711A G.726
Registrazione audio	1 a 1 dalle fotocamere dotate di questa funzione
Modalità di registrazione	Manuale, intelligente, rilevamento del movimento, programmato
Modalità di ricerca della registrazione	Per orario, Navigazione nello storico, Per evento, per immagini memorizzate
Risoluzione sullo schermo	1 da 4K / 2 da 5 MP
Modalità di riproduzione intelligenti	Supporta la ricerca e la riproduzione tramite funzioni AI intelligenti; Supporta la ricerca video per nome della persona e identità facciale (cattura del volto)
Funzioni intelligenti	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Acquisizione del volto, Confronto del volto, LPR, Maschera (solo con telecamera compatibile)
HDD	2 HDD SATA (max. 14TB), non inclusi
Protocollo della telecamera	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (PC Windows)
Alimentazione elettrica	52 V/1,25 A
Consumo	<15 W (senza disco rigido)
Dimensioni	255 x 210 x 40 mm

Technische specificaties

Aantal kanalen	4 / 9 / 10 IP
Registratie resolutie	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Afspeelresolutie	Max. 4K (HDMI)/Max. 1080P (VGA)
Video-uitgangen	1 x VGA / 1 x HDMI
Audio uitgang	1 x aansluiting 3,5", HDMI-uitgang
Ethernet	1 x RJ45 10/100 Mbps zelfaangepassende Ethernet-interface
USB	2 x USB2.0 voor muis en back-up
Video compressie	H.264 / H.265
Audiocompressie	G.711U G.711A G.726
Geluidsopname	1 op 1 van camera's die met deze functie zijn uitgerust
Registratiemodi	Handmatig, intelligent, bewegingsdetectie, gepland
Registratiezoekmodi	Op tijd, navigatie in de geschiedenis, op gebeurtenis, op opgeslagen beelden
Schermsresolutie	1 x 4K / 2 x 5 MP
Slimme afspeelmodi	Ondersteunt zoeken en afspelen door intelligente AI-functies; Ondersteunt videozoeken op persoonsnaam en gezichtsidentiteit (gezichtsopname)
Slimme functies	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Gezichtsopname, Gezichtsvergelijking, LPR, Masker (alleen met compatibele camera)
HDD	2 x HDD SATA (max. 14TB), niet inbegrepen
Cameraprotocol	P6S, ONVIF
APP	P6Slite (Android/iOS), EasyVMS (Windows-pc)
Stroomvoorziening	52V / 1,25A
Consumptie	<15W (zonder de HDD)
Dimensies	255 x 210 x 40 mm

Specyfikacja techniczna

Liczba kanałów	4 / 9 / 10 IP
Uchwata rejestracyjna	10Ch x 4K (4 CH POE + 6CH IP) 9 Ch x 4K / 4 CH x 4K
Rozdzielczość odtwarzania	Maks. Maks. 4K (HDMI) 1080P (VGA)
Wyjścia wideo	1 x VGA / 1 x HDMI
Wyjście audio	1 x gniazdo jack 3,5", wyjście HDMI
Ethernetu	1 x samoadaptacyjny interfejs Ethernet RJ45 10/100Mbps
USB	2 x USB2.0 dla myszy i kopii zapasowej
Kompresja wideo	H.264 / H.265
Kompresja dźwięku	G.711U G.711A G.726
Nagrywanie dźwięku	1 do 1 z kamer wyposażonych w tę funkcję
Tryby rejestracji	Ręczny, inteligentny, wykrywanie ruchu, zaplanowany
Tryby wyszukiwania rejestracji	Według czasu, nawigacji w historii, według zdarzeń, według zapisanych obrazów
Rozdzielczość wyświetlacza	1 x 4K / 2 x 5 MP
Inteligentne tryby odtwarzania	Obsługuje wyszukiwanie i odtwarzanie za pomocą inteligentnych funkcji AI; Obsługuje wyszukiwanie wideo według nazwiska osoby i tożsamości twarzy (przechwytywanie twarzy)
Inteligentne funkcje	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Przechwytywanie twarzy, porównanie twarzy, LPR, maska (tylko w przypadku kompatybilnego aparatu)
dysk twardy	2 x dysk twardy SATA (maks. 14 TB), brak w zestawie
Protokół kamery	P6S, ONVIF
APLIKACJA	P6Slite (Android/iOS), EasyVMS (komputer z systemem Windows)
Zasilacz	52 V / 1,25 A
Konsumpcja	<15 W (bez dysku twardego)
Wymiary	255 x 210 x 40 mm

Funcții principale

- Inregistrare simultană în timp real pe mai multe canale, redare și configurare de la distanță din aplicații de PC și Smartphone.
- Intrare 4 camere POE IPC (cu alimentare directă)
- Suport IEEE802.3af/1a standard, compatibil cu echipamentele de recepție a energiei (PD) care acceptă IEEE802.3af/at
- Suportă acces 10ch 4K; Suportă funcția de capturare și comparare a feței
- Iesire video simultană pe VGA și HDMI.
- Backup pe stick USB și HDD extern.
- Suportă detecție formă umană și control PTZ (în funcție de cameră)
- Posibilitate conectare microfon extern și difuzor extern.
- Funcții inteligente AI
 - E-fence – legătură push, ecran mare, alarmă vocală NVR și alte funcții de alarmă (disponibilă doar cu cameră cu această funcție)
 - Line-crossing - legătură push, ecran mare, alarmă vocală NVR și alte funcții de alarmă (disponibilă doar cu cameră cu această funcție)
 - Duty-off detection - legătură push, ecran mare, alarmă vocală NVR și alte funcții de alarmă (disponibilă doar cu cameră cu această funcție)
 - Passenger flow statistics - suportă interogarea fluxului de pasageri (disponibilă doar cu cameră cu această funcție)
 - AI playback - Suportă redarea umană AI, etc la care redarea este mai precisă. (disponibilă doar cu cameră cu această funcție)
 - Face detection – Suportă detecție și comparare a feței; Pentru funcționalitate trebuie să conectați camere echipate cu funcția de detecție și comparare a feței pe unul sau mai multe canale din cele 10, permițând compatibilitatea totală. (disponibilă doar cu cameră cu această funcție)
 - Mask - legătură push, ecran mare, alarmă vocală NVR și alte funcții de alarmă (disponibilă doar cu cameră cu această funcție)
 - LPR - legătură push, ecran mare, alarmă vocală NVR și alte funcții de alarmă (disponibilă doar cu cameră cu această funcție)

Specificatii tehnice

Numar canale	4 / 9 / 10 IP
Rezolutie inregistrare	10 canale x 4K (4 canale POE + 6 canale IP) 9 canale x 4K / 4 CH x 4K
Rezolutie de redare	Max. 4K pe iesirea HDMI Max. 1080P pe iesirea VGA
Iesiri video	1 x VGA / 1 x HDMI
Iesire audio	1 x jack 3.5", HDMI Output
Ethernet	1 x RJ45 10/100Mbps self-adaptive
USB	2 x USB2.0 pentru mouse si backup
Compresie video	H.264 / H.265
Compresie audio	G.711U G.711A G.726
Inregistrare audio	1 la 1 de pe camerele echipate cu aceasta functie
Moduri inregistrare	Manual, inteligent, detectie miscare, programat
Moduri cautare inregistrari	Dupa ora, Navigare in istoric, Dupa eveniment, dupa imagini stocate
Rezolutie redare pe ecran	1 x 4K / 2 x 5MP
Moduri redare inteligenta	Suporta cautare si redare dupa functiile inteligente AI; Suporta cautare video dupa nume persoana si identitate faciala (face capture)
Functii inteligente	E-fence, Crossing, Duty-Off detection, Passenger flow statistics, Face capture, Face comparison, LPR, Mask (doar cu camera compatibila
HDD	2 x HDD SATA (maxim 14TB), nu este inclus
Protocol camere	P6S, ONVIF
Aplicatii monitorizare	P6Slite (smartphone), EasyVMS (PC)
Alimentare	52V / 1.25 A
Consum	<15W (fara HDD)

Dimensiuni	255 x 210 x 40 mm
Temperatura de lucru	-26°C ~ +80°C

Instructiuni de utilizare

Descriere produs



1	DC 52V	5	iesire VGA
2	Intrare camere POE	6	iesire HDMI
3	LAN	7	USB
4	iesire Audio		

Instalarea unitatii de stocare

Înainte de prima utilizare, vă rugăm să instalați unitatea de stocare.

În carcasa unității de înregistrare pot fi instalate 2 hard disk-uri SATA cu o capacitate maximă de 14TB (HDD-ul nu este inclus în pachet).

- Desfaceți suruburile și scoateți capacul DVR-ului
- Conectați cablurile de date și fixați hard disk-ul cu suruburile din interior
- Puneți capacul DVR-ului la loc
- Conectați la DVR cablul de alimentare, de internet, mouse-ul și monitorul

Pornirea dispozitivului

Introduceți cablul de alimentare într-o priză 230V. DVR-ul va porni.

- LED-ul „PWR” indicator se va aprinde verde.
- LED-ul „NET” se va aprinde dacă NVR-ul este conectat la o rețea locală cu

acces la internet

- LED-ul „REC” se va aprinde daca aveti conectat un HDD si inregistrarea este pornita.

Pe ecran va apare Ghidul rapid de configurare care va va ajuta sa faceti setari rapide ale sistemului pentru functionare minimala.

Note:

1. Verificati daca tensiunea de intrare corespunde cu tensiunea recomandata a dispozitivului. Tensiunea de alimentare este de $230V \pm 10\%$ / 50 Hz 2A.
2. Va sugeram sa folositi un dispozitiv UPS pentru a proteja dispozitivul de variatiile de tensiune si pentru o autonomie pe perioada intreruperilor scurte de curent de la furnizor.

Atentie: variatiile de tensiune din retea cauzate de descarcarile electrice, supratensiuni etc pot duce la defectarea sursei de alimentare defect ce nu este acoperit de garantie.

Oprirea dispozitivului

Sunt doua metode de oprire a dispozitivului.

1. Recomandat: Apasati butonul „Power” din coltul dreapta sus si selectati optiunea „Shutdown” (Inchidere)
2. Opriti sursa de alimentare.

Controlul de la distanta al dispozitivului

DVR-ul poate fi controlat local sau de la distanta atat de pe smartphone cat si de pe computere cu sistem de operare Windows.

Aplicatii compatibile: P6Slite (Android, iOS), EasyVMS (Windows)

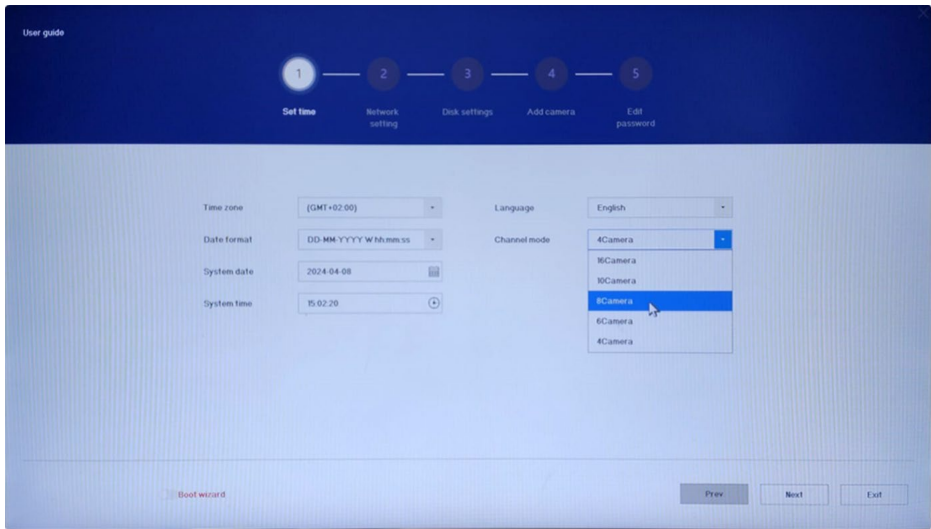
Ghid rapid de configurare

Dupa pornirea dispozitivului va porni ghidul de configurare rapida.

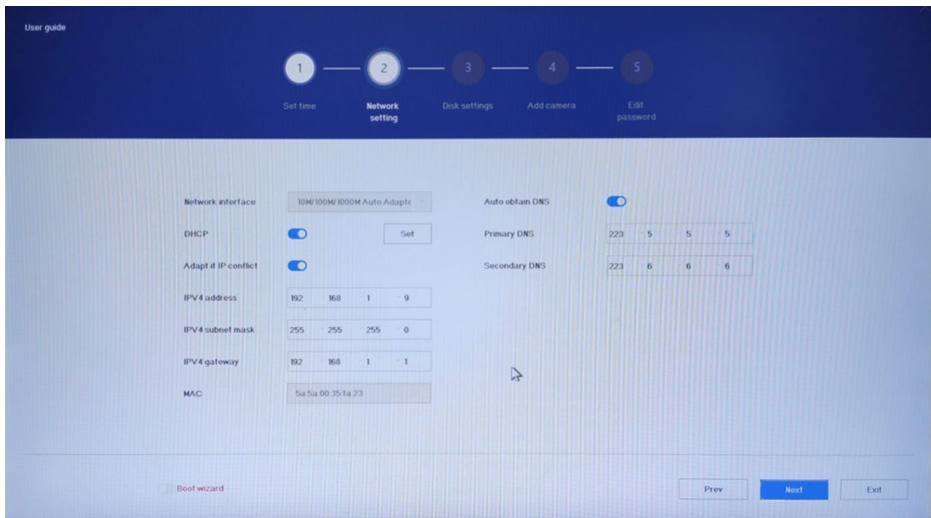
Nota: Recomandam configurarea sistemului inainte de instalarea DVR-ului si a camerelor in locatia finala.

Pasii de urmat din ghidul rapid de instalare:

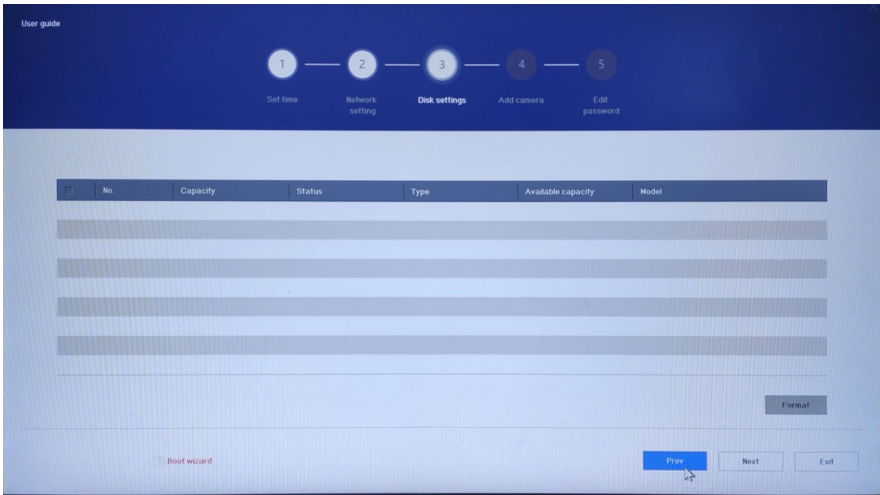
1. Setati ora, data, fusul orar, limba si numarul de camere de instalat.



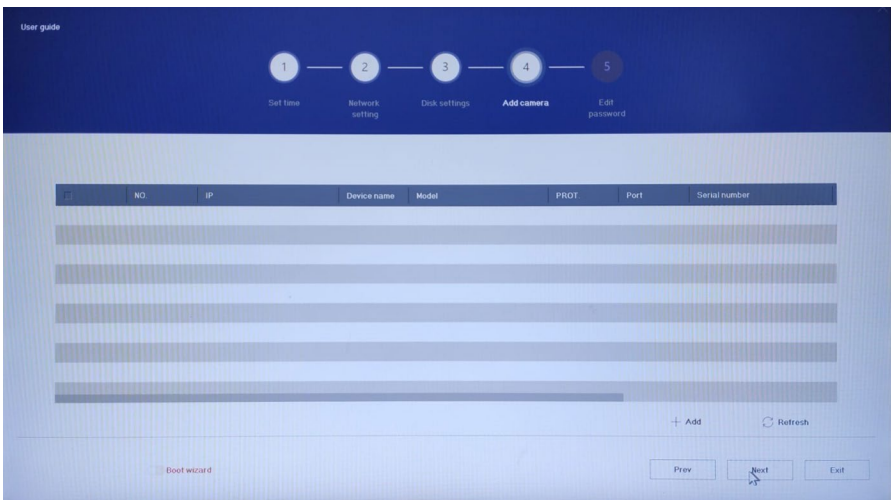
2. Verificati/modificati setarile de retea in functie de rețeaua dumneavoastră, sau bifati DHCP, Adapt if IP conflict si Auto-obtain DNS pentru a prelua setari automate din router.



3. Dacă ati instalat o unitate de stocare(Hdd) in NVR in acest meniu va aparea modelul si capacitatea (recomandam doar dispozitive dedicate pentru sisteme de supraveghere si pentru functionare 24/7)

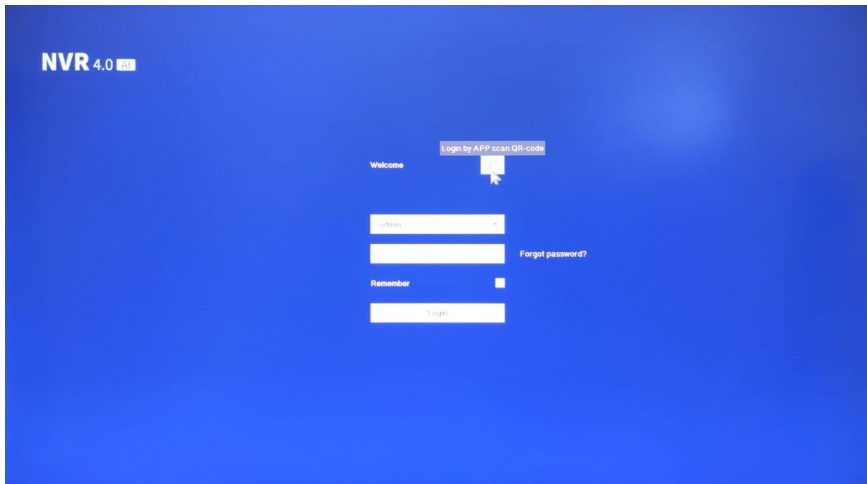
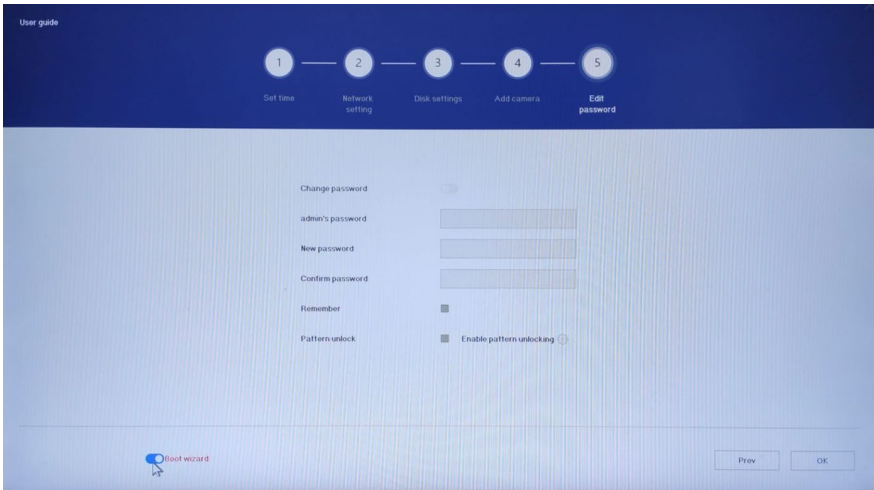


4. Acest meniu este dedicat adaugarii de camere cu IP conectate (si alimentate confirm indicatiilor) in aceeasi retea cu NVR-ul. Aici puteti actualiza si/sau adauga lista de camere din aceeasi retea.



5. Acest ultim pas al ghidului rapid va solicita sa schimbari parola de fabrica a NVR-ului cu una privata proprie. Aceasta trebuie sa fie din 8-16 caractere, minim o litera cu majuscule si minim o cifra. Din acest meniu puteti deasemeni activa o parola de tip desen.

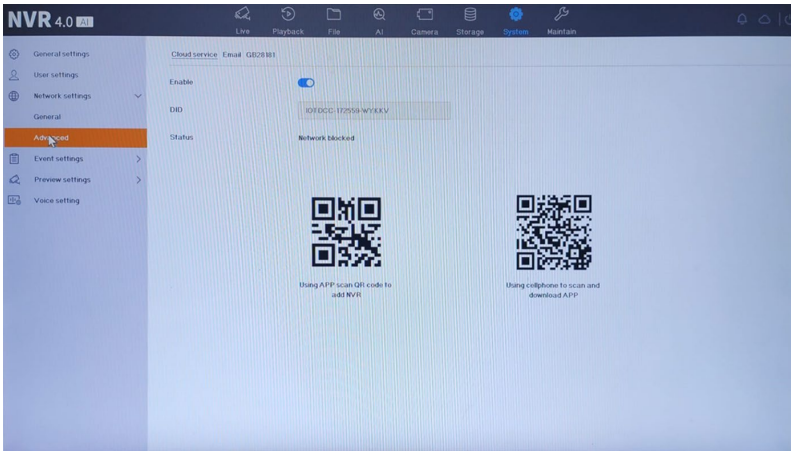
Nota: Pentru siguranta sistemului Dvs., recomandam schimbarea parolei dupa prima autentificare in sistem si notarea acestei parole separat intr-o agenda sau loc sigur pentru a evita uitarea ei.



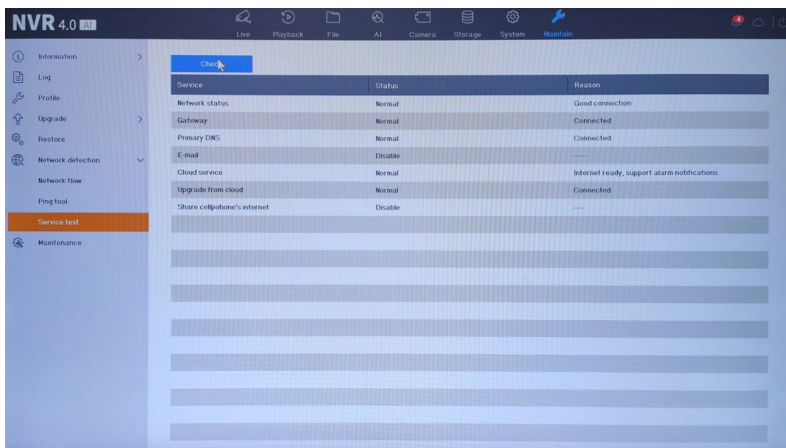
Test retea

Pentru verificarea conexiunii la retea/server puteti verifica in 2 moduri:

1. System/Network settings / Advanced unde in submeniul Status veti gasi:
 - Internet ready, suport alarm notifications – Conexiune la internet reusita;
 - „Network blocked” – Retea/internet indisponibila



2. Maintain/Network detection unde aveti cateva instrumente de verificare stare conexiune la retea locala, la internet si la server.



In cazul in care mesajul afiseaza varianta „Network blocked” sau „Connect failed” verificati:

- cablul de retea - functionalitate
- portul din router/switch in care ati introdus cablul daca are acces la internet
- daca setarile de retea din meniul System/Network settings/General sunt corecte.
- Bifati „DHCP”, „Adapt if IP conflict” si „Auto obtain DNS” , aplicati setarile si verificati din nou Starea conexiunii.

Descriere meniu principal pictograme

Meniu Live

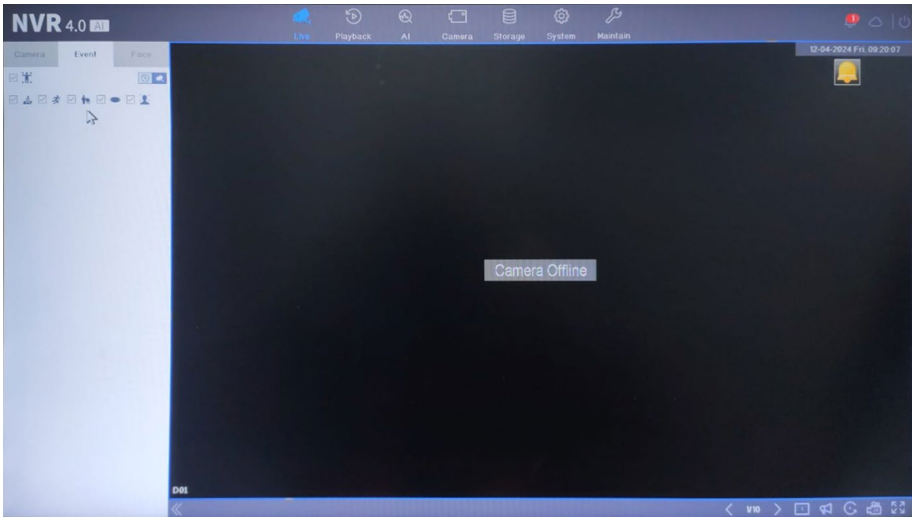
Acest meniu permite 2 actiuni principale

1. „Camera” - Vizualizarea in timp real a imaginilor transmise de camere in functie de necesitate: 1/4/9/10/16 canale, ecran complet sau microrat, navigarea intre camere. Tot aici se pot efectua setari pe control inregistrare.

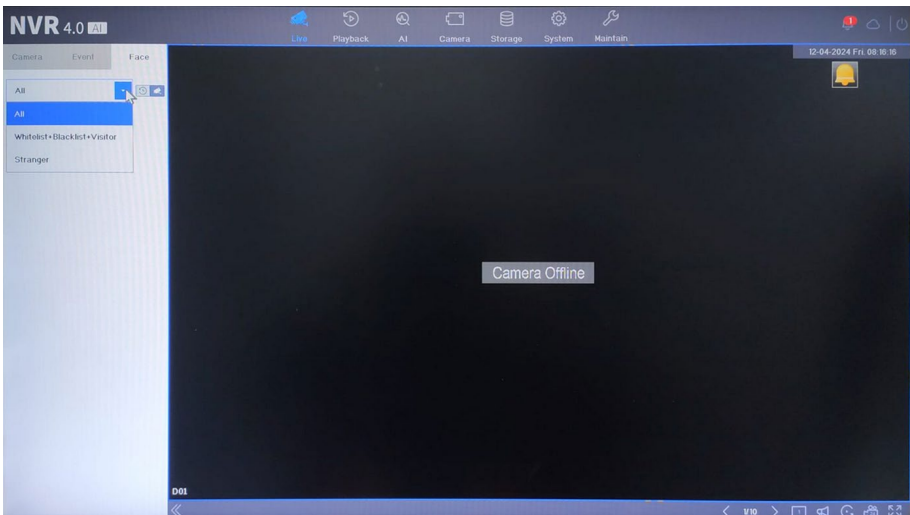


2. „Event” – Cautarea si accesarea listei de evenimente inregistrate in functie de setarile AI facute in meniul dedicat: detectie umanoid, electronic fence, Cross-boundary, Off-duty detection, Mask, Face detection

Ca si functii secundare pe fiecare canal in parte regasim: „Quick playback”, „PTZ Control”, „Zoom”, „Sound control”, „Camera information”, „Sunet bidirectional”, „Snapshot”, „Camera information”



3. „Face” – Cautarea listei de evenimente de detectie faciala: Whitelist + Blacklist + Visitor, Stranger



Meniu Playback

Acest meniu permite 2 actiuni principale

1. „Common playback” – Acest meniu permite redarea inregistrarilor in functie de cautarile efectuate dupa camera si data: An, Luna, saptamana, zi



2. „Smart playback” – Acest meniu permite cautarea si redarea inteligenta a inregistrarilor in functie de cautarile efectuate dupa camera si tip de eveniment: Motion event, Humanoid event, Eelectronic fence, Cross-boundary, Off-duty detection, Passenger flow

Pe langa aceste actiuni principale avem si actiuni secundare de redare/navigare pe clipurile video selectate.

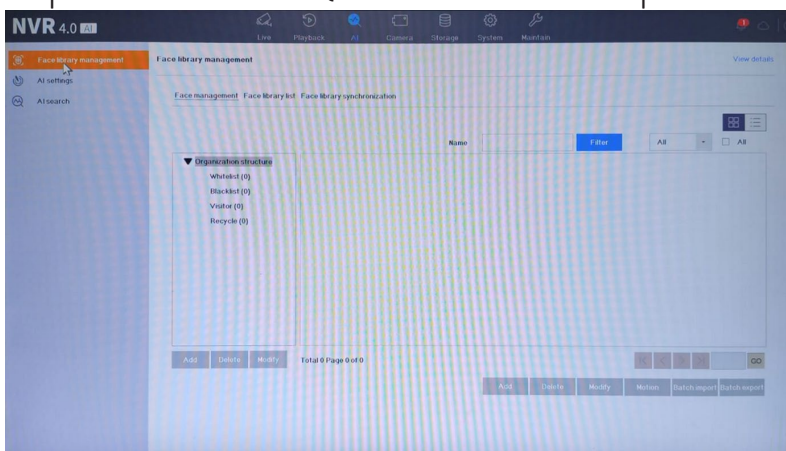


○ alta functie importanta ce se regaseste in acest meniu este cea de „**Backup**” – salvare inregistrari pe suport de stocare extern (Stick sau Hdd extern USB)

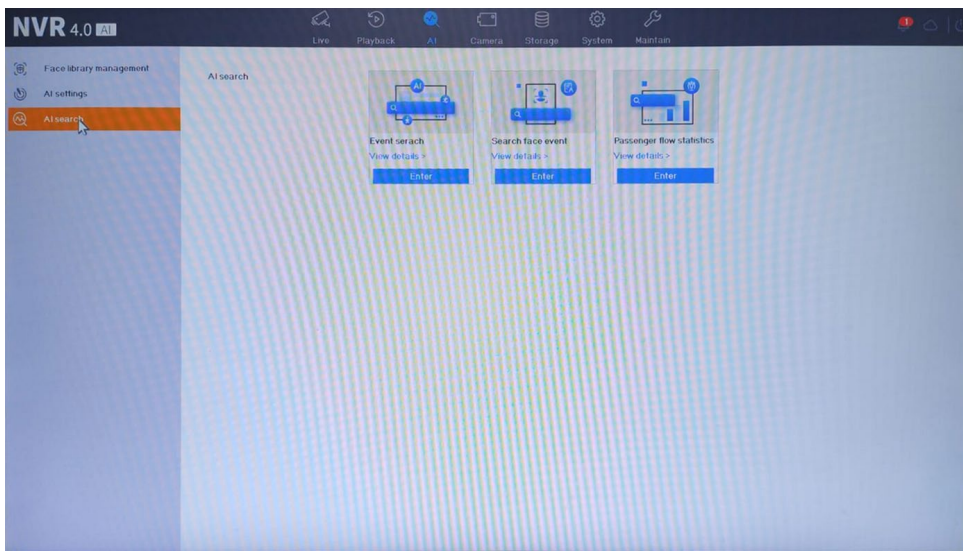
Meniu AI

Acest meniu permite 2 actiuni principale

1. „Face Library management” – Acest meniu permite gestionarea /cautarea evenimentelor de tip detectie si salvare faciala (fata om)
2. „AI settings” – Acest meniu permite efectuarea setarilor de actiune la diferitele tipuri de evenimente AI (doar daca acea camera suporta aceste functii)



3. „AI search” – Acest meniu permite efectuarea de cautari avansate in functie de evenimentele AI



Meniu Camera

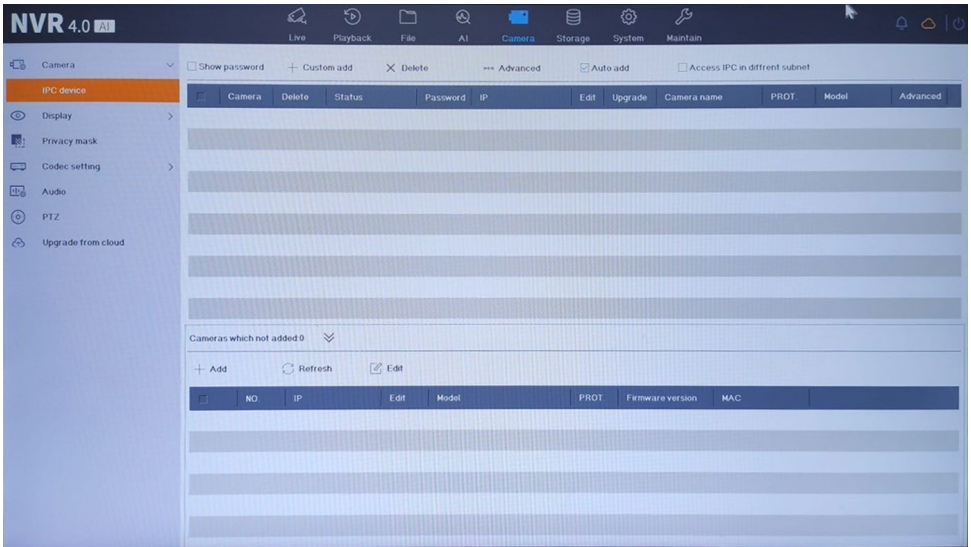
Acest meniu permite accesul a 7 submeniuri cu setari ale camerelor:

1. „Camera” – Acest submeniu ofera acces la partea de gestiune camere IPC: Adaugare, configurare, stergere, etc. (daca este disponibila)
2. „Display” – Acest submeniu ofera acces la partea de gestiune a: Afisarii numelui si datei pentru fiecare camera in parte; Setarii culorilor pentru fiecare canal in parte; Setarii de iluminare pentru fiecare camera in parte. (daca este disponibila)
3. „Privacy mask” - Acest submeniu ofera acces la partea de gestiune a mascarii imaginii;
4. Codec settings - Acest submeniu ofera acces la partea de gestiune a partii de codare video: Main stream si sub stream. (daca este disponibila)
5. „Audio” - Acest submeniu ofera acces la partea de gestiune a sunetului

preluat de la camera(daca este disponibila)

6. „PTZ” - Acest submeniu ofera acces la partea de gestiune a miscarii camerei (daca este disponibila)

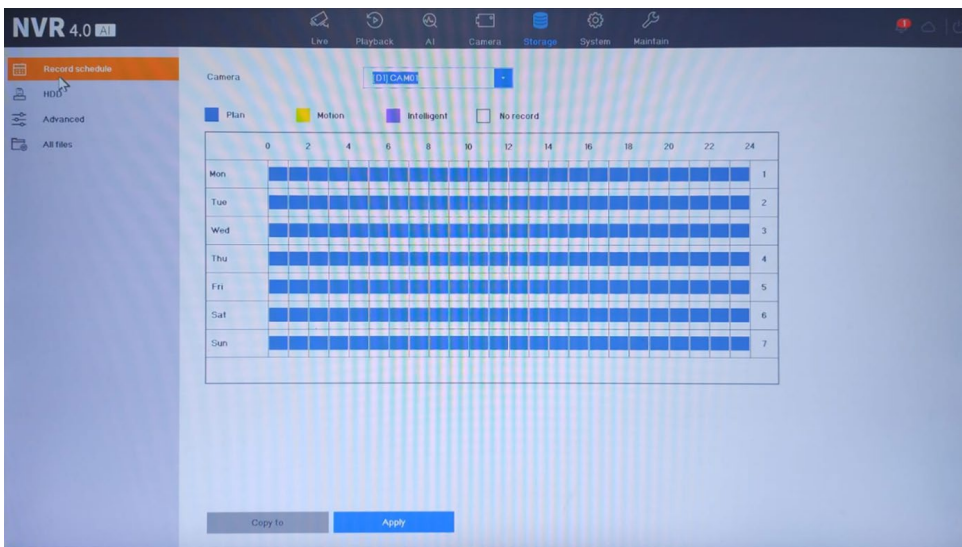
7. „Upgrade from Cloud” - Acest submeniu ofera acces la partea de gestiune a actualizarii firmware de pe server (daca este disponibila)



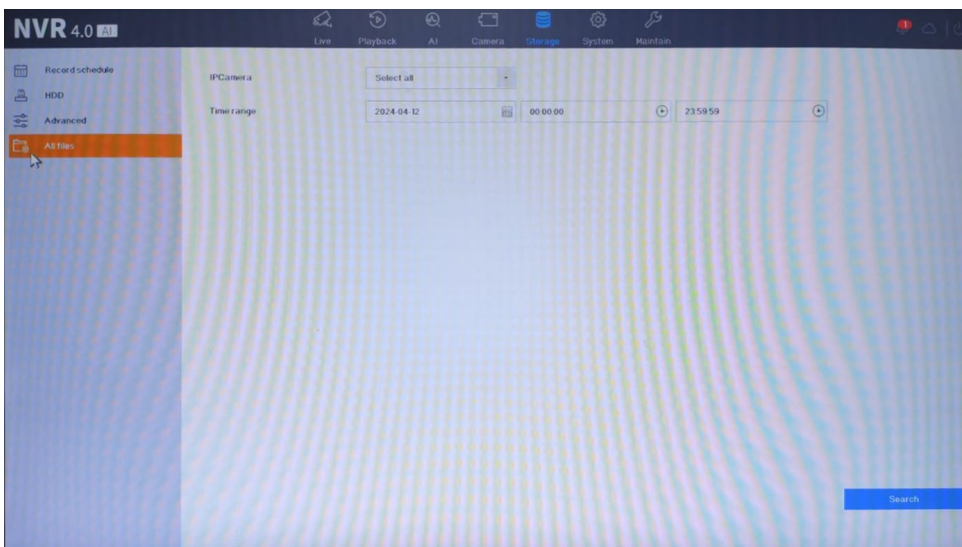
Meniu Storage

Acest meniu permite accesul la 3 submeniuiri cu setari de inregistrare:

1. „Record schedule” – acest submeniu permite configurarea programului de inregistrare pentru fiecare canal/camera in parte: planificat, la detectie miscare, inteligent sau oprit;
2. „HDD” – acest submeniu permite afisarea starii unitatii interne de stocare: spatiu total, spatiu ramas, timp estimativ de inregistrare, etc.
3. „Advanced” – acest submeniu permite setari avansate pe partea de stocare/inregistrare.



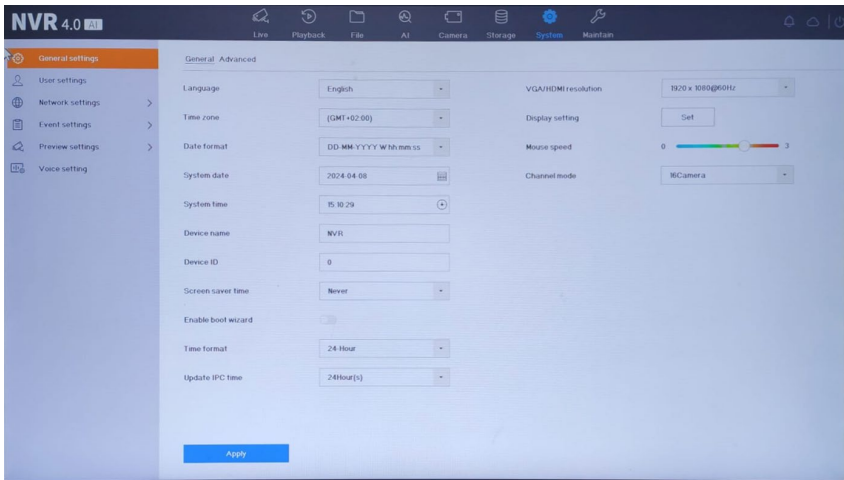
4. „All files” - Acest meniu permite cautarea inregistrarilor video / pozelor dupa perioada selectata : Data inceput – Data sfarsit. Acest meniu permite si salvarea inregistrarilor selectate pe suport de stocare extern.



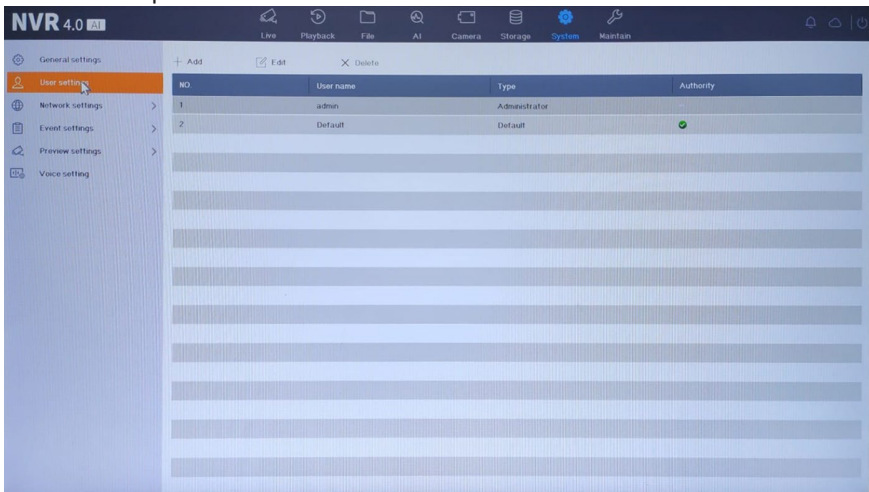
Meniu System

Acest meniu permite accesul la 6 submeniuuri cu setari de sistem:

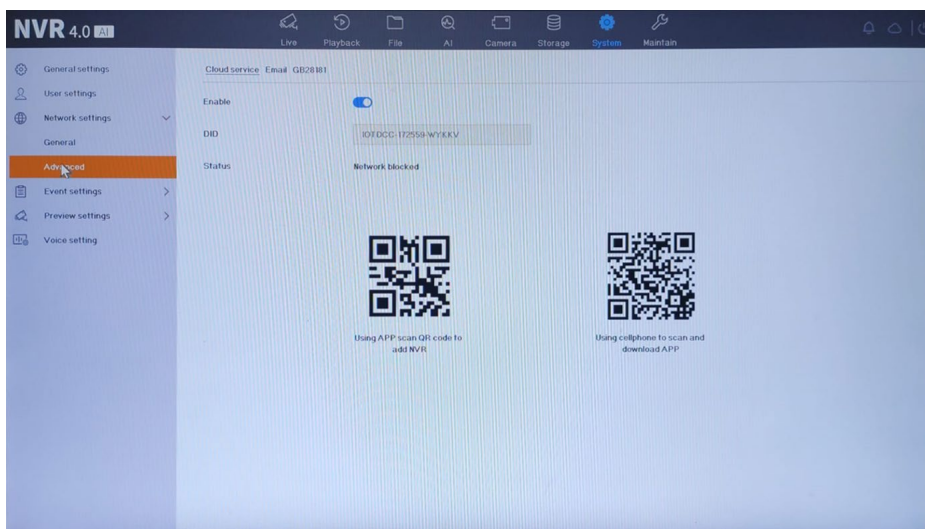
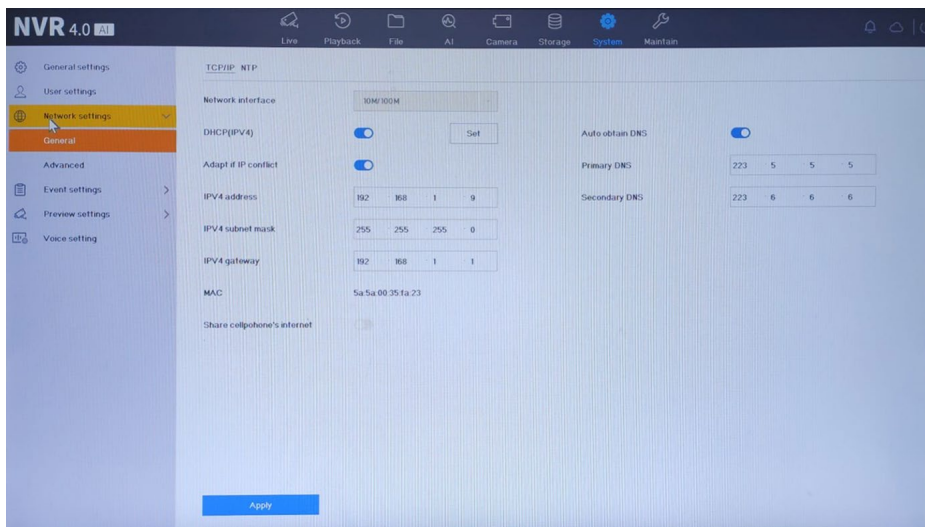
1. „General settings” – aici gasim setari generale si avansate ale sistemului cum ar fi: Limba, data, nume, ID, numar camere, rezolutie de iesire, etc.



2. „User settings” – acest submeniu permite editarea/crearea/gestiunea utilizatorilor si a parolelor care acceseaza sistemul

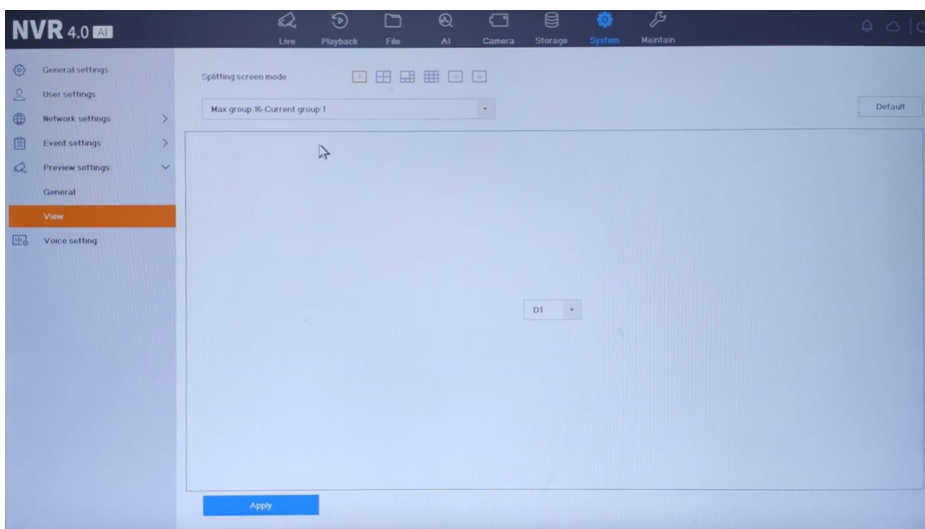
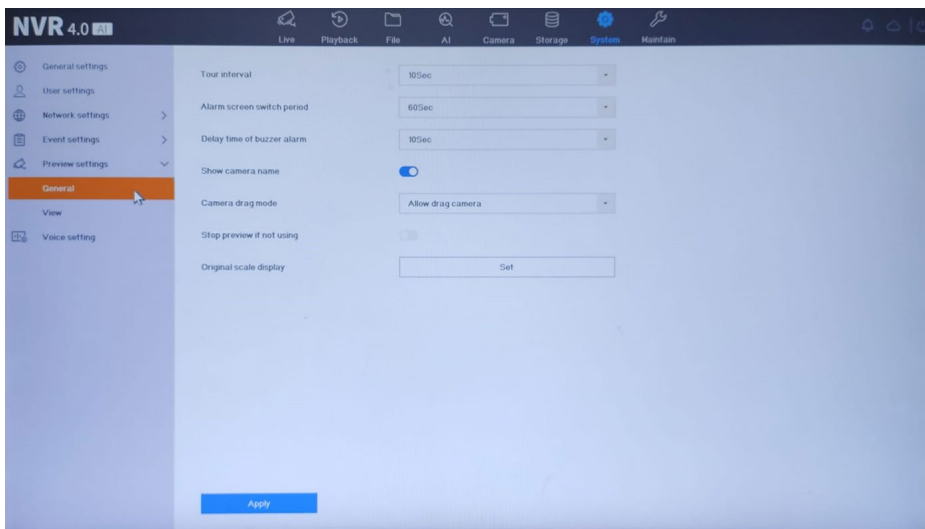


3. „Network settings” – acest submeniu permite configurarea setarilor generale si avansate de retea/server/serie DID si aplicatie de mobil.

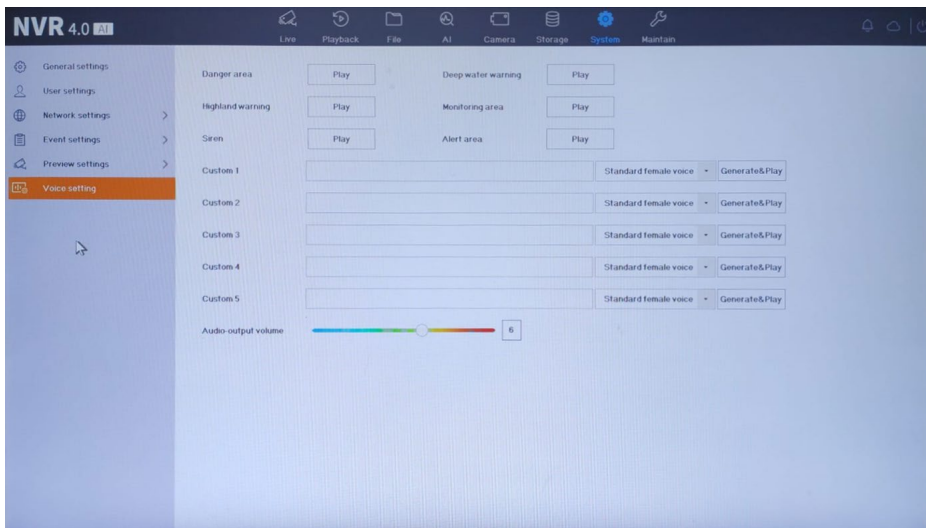


4. „Event settings” – aici regasim partea de setari evenimente disponibila in functie de nivelul de echipare al camerelor de supraveghere.

5. „Preview settings” – regasim setari de afisare a imaginilor , a alarmelor, a notificarilor audio si a grupurilor de camere.



6. „Voice setting” – acest submeniu permite configurarea alertelor audio pe care NVR-ul le poate transmite pe iesirea audio.



Meniu Maintain

Acest meniu permite accesul la 7 submeniuri cu informatii despre sistem si setari administrative:

1. „Information” – contine informatii despre stare sistem, stare camere, stare inregistrari, stare retea, stare suport de stocare(HDD), utilizatori conectati, instalare.
2. „Log” – aici regasim un jurnal istoric cu toate evenimentele si modificarile de sistem efectuate in trecut.
3. „Profile” – regasim o solutie de salvare/import profil utilizator si setari
4. „Upgrade” – regasim optiunea de actualizare software dispozitiv
5. „Restore” – avem optiunile de resetare simpla sau avansata a sistemului la setarile de fabrica
6. „Network detection” – regasim optiuni de diagnosticare stare conexiune retea, timpi de comunicare in retea si verificare conexiune la internet.

EN:**EU Simplified Declaration of Conformity**

ONLINESHOP SRL declares that **NVR PNI House IP810** complies with the Directive EMC 2014/30/EU and RED 2014/53/UE. The full text of the EU declaration of conformity is available at the following Internet address:

<https://www.mypni.eu/products/9899/download/certifications>

BG:**Опростена декларация за съответствие на ЕС**

ONLINESHOP SRL декларира, че **NVR PNI House IP810** спазва директивата EMC 2014/30/EU и RED 2014/53/UE. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:

<https://www.mypni.eu/products/9899/download/certifications>

DE:**Vereinfachte EU- Konformitätserklärung**

ONLINESHOP SRL erklärt, dass das **NVR PNI House IP810** der Richtlinie EMC 2014/30/EU und RED 2014/53/UE entspricht. Sie finden den ganzen Text der EU-Konformitätserklärung an der folgenden Internetadresse:

<https://www.mypni.eu/products/9899/download/certifications>

ES:**Declaración UE de conformidad simplificada**

ONLINESHOP SRL declara que el **NVR PNI House IP810** cumple con la Directiva EMC 2014/30/EU y la Directiva RED 2014/53/UE. El texto completo de la declaración de conformidad de la UE está disponible en la siguiente dirección de Internet:

<https://www.mypni.eu/products/9899/download/certifications>

FR**Déclaration de conformité simplifiée de l'UE**

ONLINESHOP SRL déclare que **NVR PNI House IP810** est conforme à la directive EMC 2014/30/EU et RED 2014/53/UE. Le texte complet de la déclaration de conformité UE est disponible à l'adresse Internet suivante:

<https://www.mypni.eu/products/9899/download/certifications>

HU:**Egyszerűsített EU Megfelelési Közlemény**

ONLINESHOP SRL kijelenti azt, hogy a **NVR PNI House IP810** megfelel az EMC 2014/30/EU és RED 2014/53/UE irányelvnek. Az EU-megfeleléségi nyilatkozat teljes szövege a következő internetes címen érhető el:

<https://www.mypni.eu/products/9899/download/certifications>

IT:**Dichiarazione UE di conformità semplificata**

ONLINESHOP SRL dichiara che il **NVR PNI House IP810** è conforme alla direttiva EMC 2014/30/UE e alla direttiva RED 2014/53/UE. Il testo completo della dichiarazione di conformità europea è disponibile al seguente indirizzo Internet:

<https://www.mypni.eu/products/9899/download/certifications>

NL:**Vereenvoudigde EU-conformiteitsverklaring**

ONLINESHOP SRL verklaart dat **NVR PNI House IP810** voldoet aan de richtlijn EMC 2014/30/EU en RED 2014/53/UE. De volledige tekst van de EU-conformiteitsverklaring is beschikbaar op het volgende internetadres:

<https://www.mypni.eu/products/9899/download/certifications>

PL:**Uproszczona deklaracja zgodności UE**

ONLINESHOP SRL oświadcza, że **NVR PNI House IP810** jest zgodny z dyrektywą EMC 2014/30/EU i RED 2014/53/UE. Pełny tekst deklaracji zgodności UE dostępny jest pod następującym adresem internetowym:

<https://www.mypni.eu/products/9899/download/certifications>

RO:**Declaratie UE de conformitate simplificata**

ONLINESHOP SRL declara ca **NVR PNI House IP810** este in conformitate cu Directiva EMC 2014/30/EU si Directiva RED 2014/53/UE. Textul integral al declaratiei UE de conformitate este disponibil la urmatoarea adresa de internet:

<https://www.mypni.eu/products/9899/download/certifications>

