IP Cameras Series RJ Software Versions B

Speed Dome of ONVIF IP network

Installation and Configuration

How to connect the camera How to make the connection in the network How to configure the camera

Contents of this handbook

The range of cameras NAKED RJ series is a range of IP cameras for network connection developed for use with NVRs.

This manual explains how to connect the camera, how to make the basic adjustments and how to configure the parameters for the network connection.

Introduction

The DSE speed dome IP cameras RJ series are IP Network Cameras with H264 / H265 at maximum resolution **up to 5MP.**

These cameras "NAKED" that is not equipped with on NAS and SD card recording their option, either hardware accessories such as audio inputs, alarms etc ..

They are developed to work with network video recorders
ONVIF NVR ranging always provided in combination to handle the recording and remote access functions.

The units are connected to a LAN via RJ45 port as a computer or other network drives and images can be displayed on a PC using Internet Explorer browser.

The power of the cameras is possible with the 12VDC adapter (included). the POE is not supported due to the absorption of the illuminator.

The RJ Series cameras fully support the ONVIF international protocol and are compatible with any IP recording software or network video recorder (NVR) multi-protocol capable of handling this standard.

Technical data

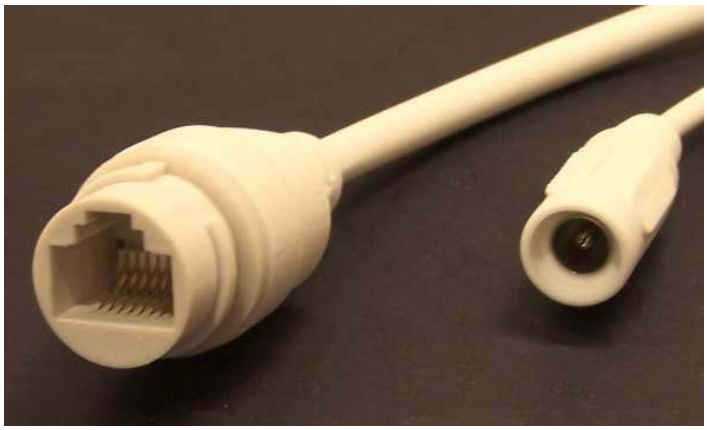
See updated at tables:

http://www.dseitalia.it/dati_telecamere_ip.htm

Installation

CONNECTIONS

The cameras speed dome series RJ have 2 sun connections: a mains socket and a 12VDC power plug,



- NETWORK PORT RJ45 - RJ45 FEMALE connector to connect the LAN. To connect to a hub or network switch using a standard LAN cable. To directly connect a single PC using a crossover cable (crossover).

- 12VDC - plug which connect the power supply 220VAC / 12VDC by at least 3A (included)

VERIFICATION OF CONNECTIONS

After connecting the camera to the power supply check that it performs an automatic rotational movement which certifies the proper nutrition. If the camera does not perform any movement check the power supply.

After connecting the network cable to the switch verified that the LEDs of the switches that correspond to the port that is used to start flashing. If you check remain off the network cable.

MOUNTING THE CAMERA

The cameras are to be fixed to the wall with the supplied mounting bracket. The connecting cord extends through the bracket.

The camera housing is watertight and can be exposed to rain. The connections must be protected from the weather.

The cable entry may be provided at the center of the bracket if the cable passage is walled. Alternatively a lateral cable entry is available in the lower part of the bracket.

Network Configuration

After providing power to the camera via the 12VDC power supply and after having connected the camera to the network switch with the LAN cable, the configuration of the network parameters must proceed in such a way to be able to make the cameras accessible by computer. The RJ Series speed dome cameras of this version are provided with **IP address 192.168.1.18 factory.**

SOFTWARE HKT-SADP and IPWIZARD

The CD supplied with the camera software is included **HKT-SADP** that must be installed on any PC on the network. The function of this software is to detect the presence of the camera in the network, regardless of its address, and allow you to change the camera address in order to be consistent with your network. We recall that because the camera is visible from the other PCs on the network it is necessary that the first 3 address parts are the same as other network PC and is equal also the subnet mask. And 'advisable to connect a network camera at a time, and insert new ones after you have set earlier.

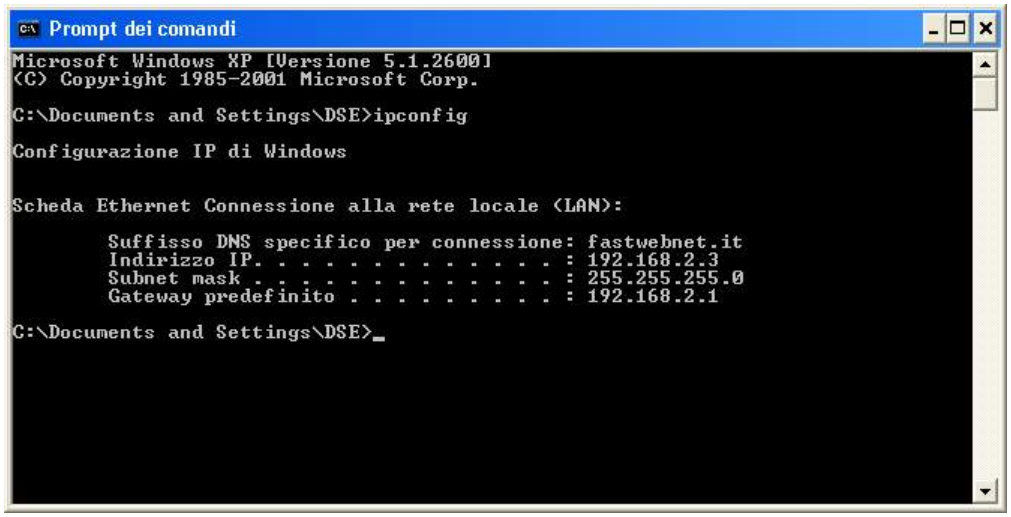
If you want software that does not require installation you can use **IPWIZARD** that you can find in the CD attached to the camera.

PRELIMINARY CHECKS

Before you must obtain from your network some information about the management of the IP addresses used on your network. E 'need to know an IP address can be assigned to the camera that is not equal to any other device already present in the network. If you are uncertain about the operation of your network, you can use certain commands in DOS PROMPT.

On a network PC launched a DOS window available between the Windows accessory programs.

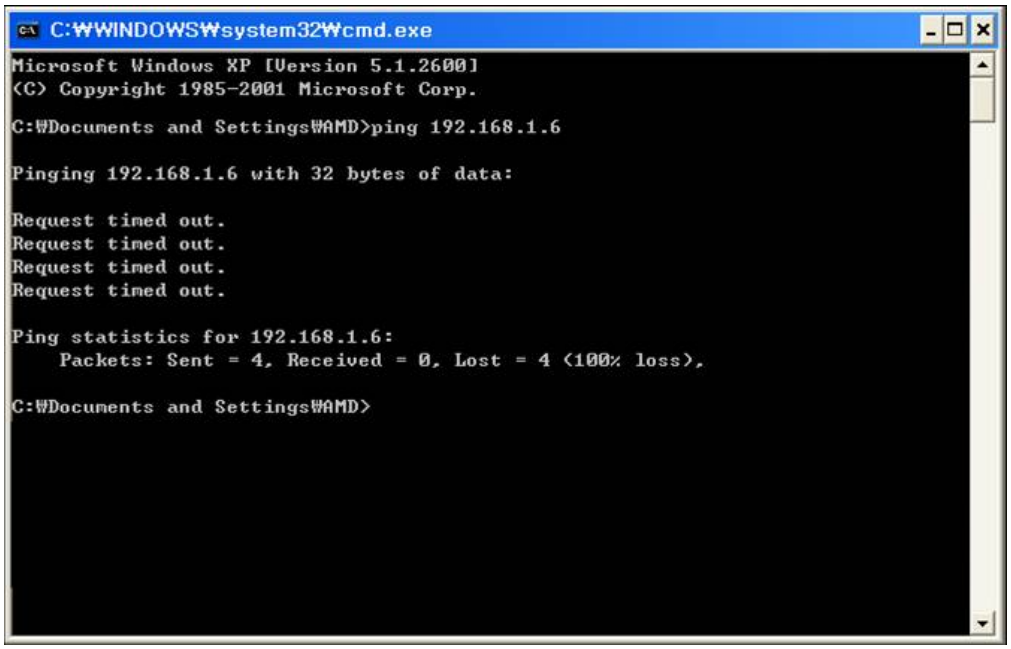
Type IPCONFIG at the command prompt and press ENTER. They will see the TCP / IP parameters. The second line is the IP address assigned to your computer.



In the above example the address of the PC on which you are working is 192.168.2.3 and the subnet mask used is the classic 255.255.255.0. The camera can therefore assign an address chosen by the 192.168.2.XXX type, where XXX stands for a number between 0 and

255.

IS' important **choose an address that is not already used by other devices** of network. To verify that the chosen address is free, try to make a PING from the same DOS window by typing PING followed by a space and by the IP you wish to assign to the camera. If there is no device responds to that address, you will receive 4 REQUEST TIME OUT as in the following example:



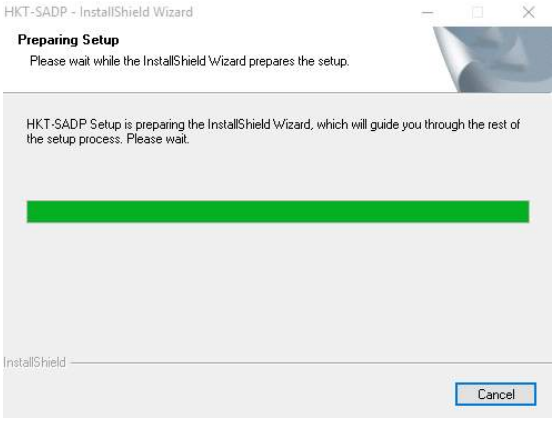
All cameras support the automatic IP address assignment from a DHCP server. This mode, however, is not recommended because in the event of power failure or restart of the equipment it is possible that the cameras IP address change necessitating a reconfiguration of the NVR.

SADP-HKT OF USE TO ASSIGN IP ADDRESS

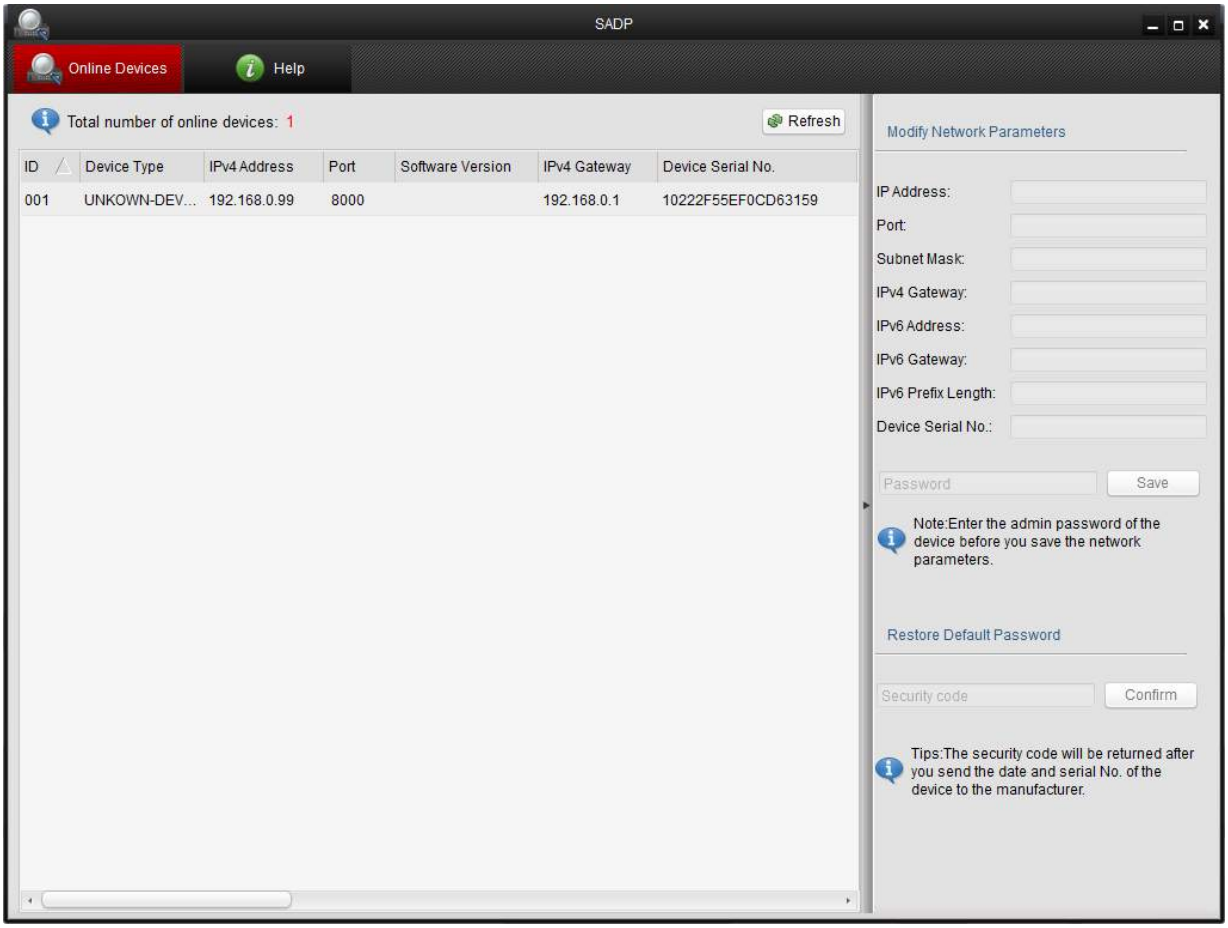
After connecting the camera you need to change the address of the camera to assign one consistent with its own network (first 3 parts of the address common to all network equipment). Proceed as follows:

1. Insert the CD into a PC player and explore the content. You will find a file named Tool.exe.

   Double-click the icon to start the installation.



2. After installation launch the new program

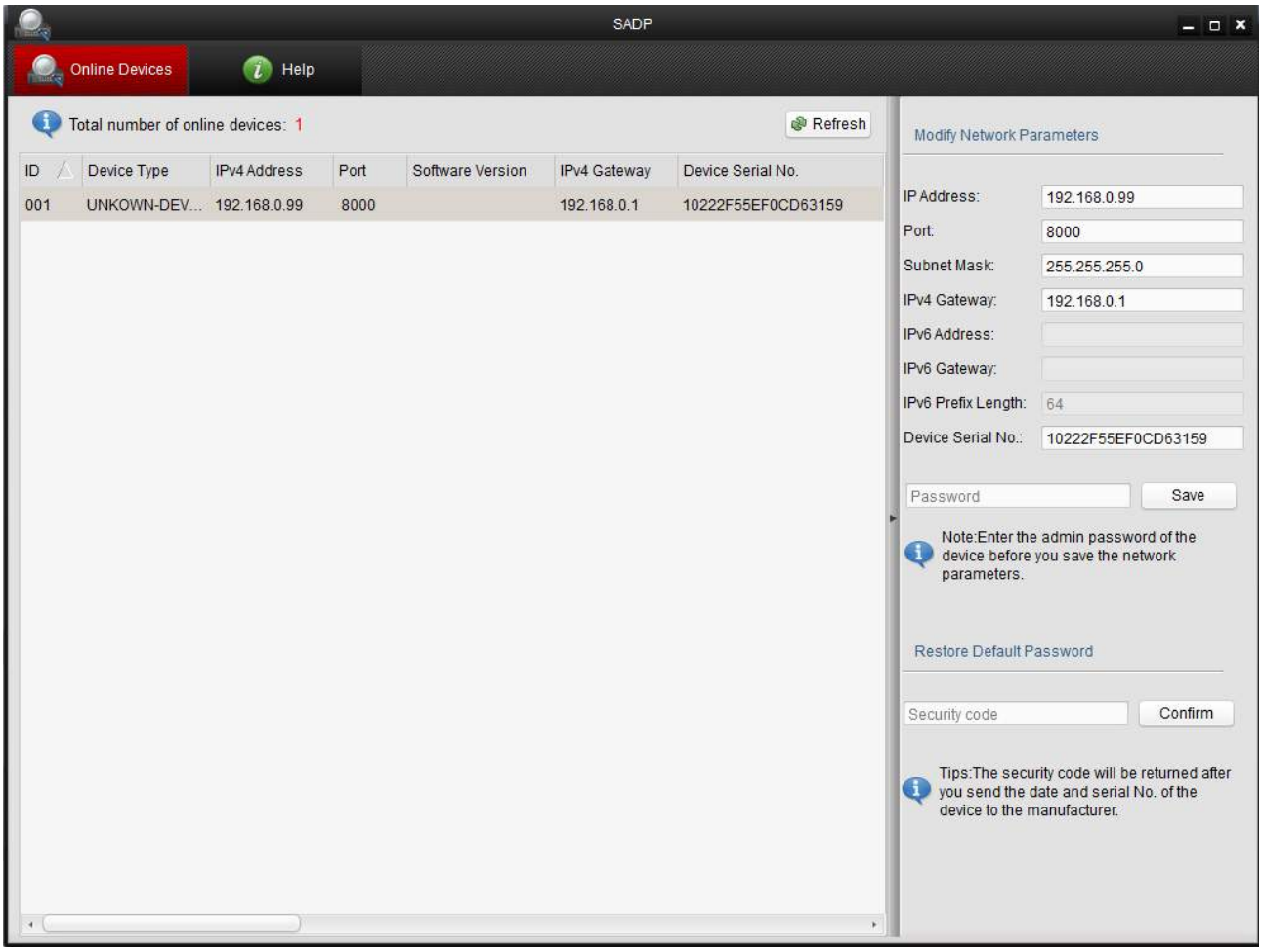


3. When the program begins to scan the IP series RJ cameras on the network.

The program detects RJ models speed dome PTZ 4MP and all versions. Wait to complete the search. The tool is able to detect even cameras with different address class from that of the PC on which you are working.

4. When the search will see the list of detected cameras. If the camera is not

It was detected check the functionality of network links. In the IP ADDRESS column shows the IP address of the camera current. Click on the camera and you will see appear in the right section all other network parameters.



5. Of particular relevance are of the IP address (IP ADDRESS) which must have the same class

of the network (the first three groups of equal numbers) and the SUBNETMASK which must be the same as that used by the network (typically 255.255.255.0). The Gateway is the IP address of the router through which occurs the connection to the Internet network.

the communication ports used by the camera that agrees are also reported not change if not really necessary. You can edit the network parameters as desired by writing in the boxes.

6. Press SAVE for transferring the pattern into the camera. Before pressing SAVE is

But to enter the password on access referred to the admin user (default: admin)

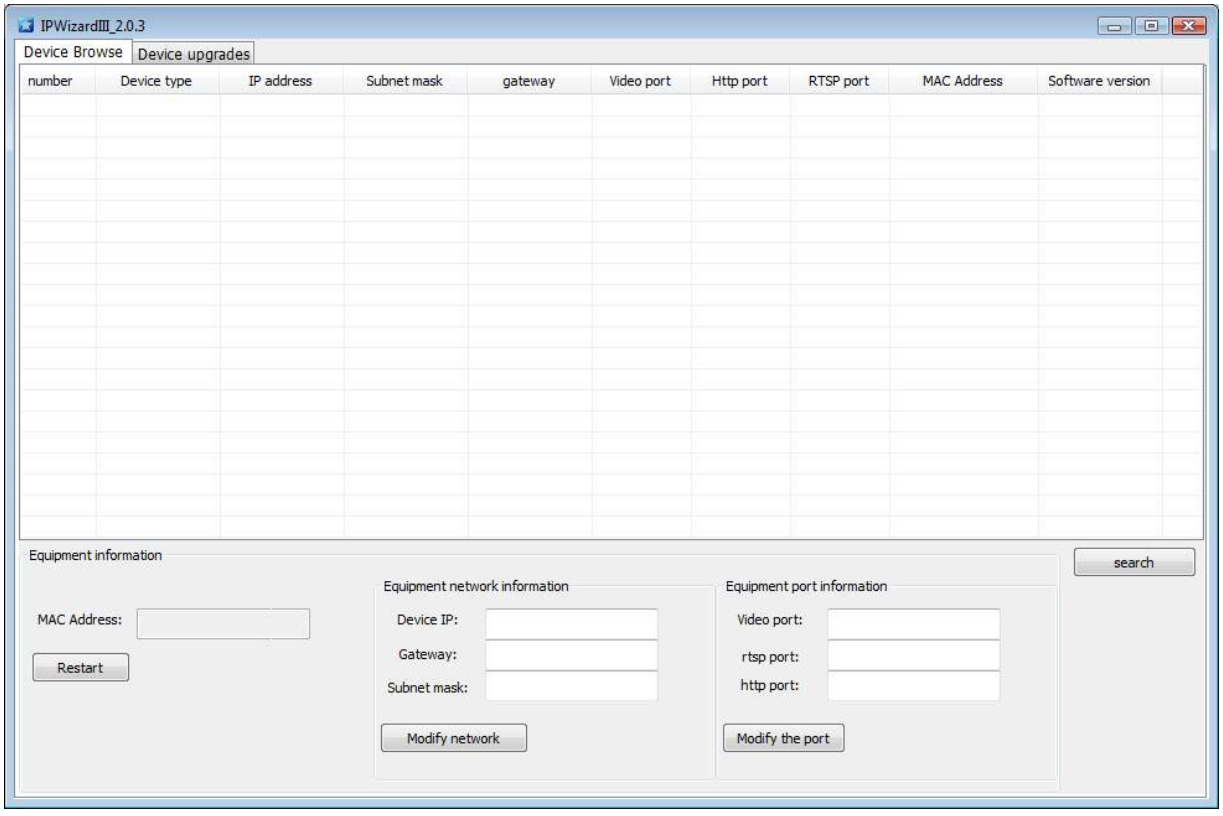
7. Wait for the success message. The camera will be detected with the new

address. To seek new cameras press REFRESH

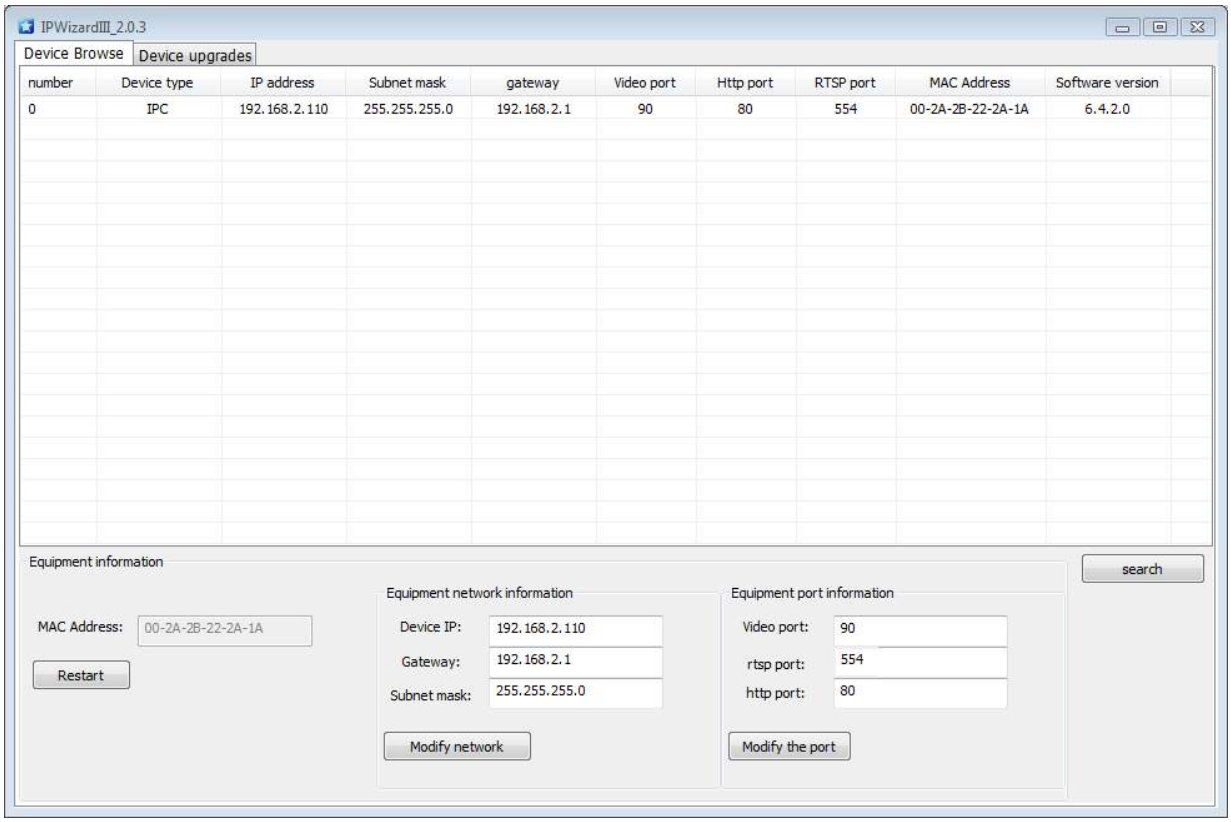
IPWIZARD OF USE TO ASSIGN IP ADDRESS

In the CD included with the camera there is another utility that allows you to assign the IP address to the camera and, unlike the previous one, is not an application to install on your PC, but a simple executable file. It is IPWIZARD. Proceed as follows:

1. Insert the CD into a PC player and explore the content. You will find a file named IPWIZARD. IP WIZARD does not require installation. E 'can copy the file to a USB key to easily run the program on any PC on the network. Double-click the icon and it will launch the program.



2. Click on the SEARCH button. The program will start to search for the IP cameras RK series present in the network. Wait to complete the search. IPCSEARCH is able to detect even cameras with different address class from that of the PC on which you are working.
3. When the search will see the list of detected cameras. If the camera is not It was detected check the functionality of network links. In the IP ADDRESS column shows the IP address of the camera current. Click on the camera and you'll see in the section below all other network parameters.



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of the network (the first three groups of equal numbers) and the SUBNETMASK which must be the same as that used by the network (typically 255.255.255.0).

the communication ports used by the camera that agrees are also reported not change if not really necessary. You can edit the network parameters as desired by writing in the boxes. Press MODIFY or MODIFY NETWORK PORT for transferring the pattern into the camera. Wait for the camera to accept the new settings. Check, by pressing the SEARCH button, the camera is detected again with the new address.

NOTES ON NETWORK PARAMETERS

Because the camera can communicate with your network you are indipensabile which are set the following parameters:

IP ADDRESS

Formed by 4 digits in the xxx-xxx-xxx-xxx format where xxx represents a number between 0 and 256. The first 3 digits must be common to all network elements. The last digit must be

different for each element of the network. In a rule or private networks using 192.168.0.xxx

182.168.1.xxx

SUBNETMASK

It must be common to all elements of the network. Normally you use 255.255.255.0

GATEWAY

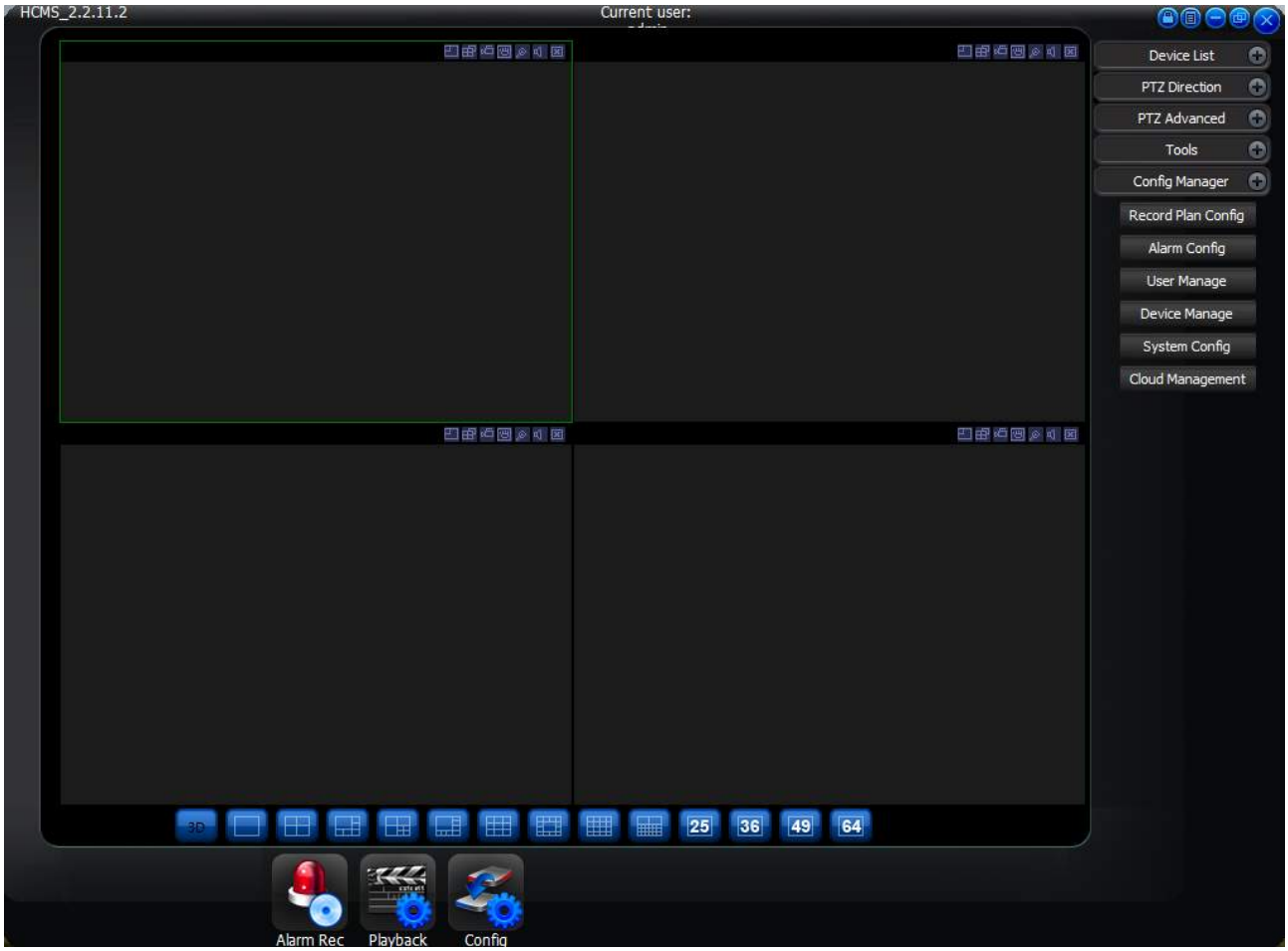
And 'the address that identifies the network the device through which you access the Internet, typically the router. As a rule, the gateway is the No. 1 address class (eg. 192.168.0.1) We saw earlier how to know these settings through its network. The gateway setting is essential because the camera can see the Internet.

DNS PRIMARY AND SECONDARY

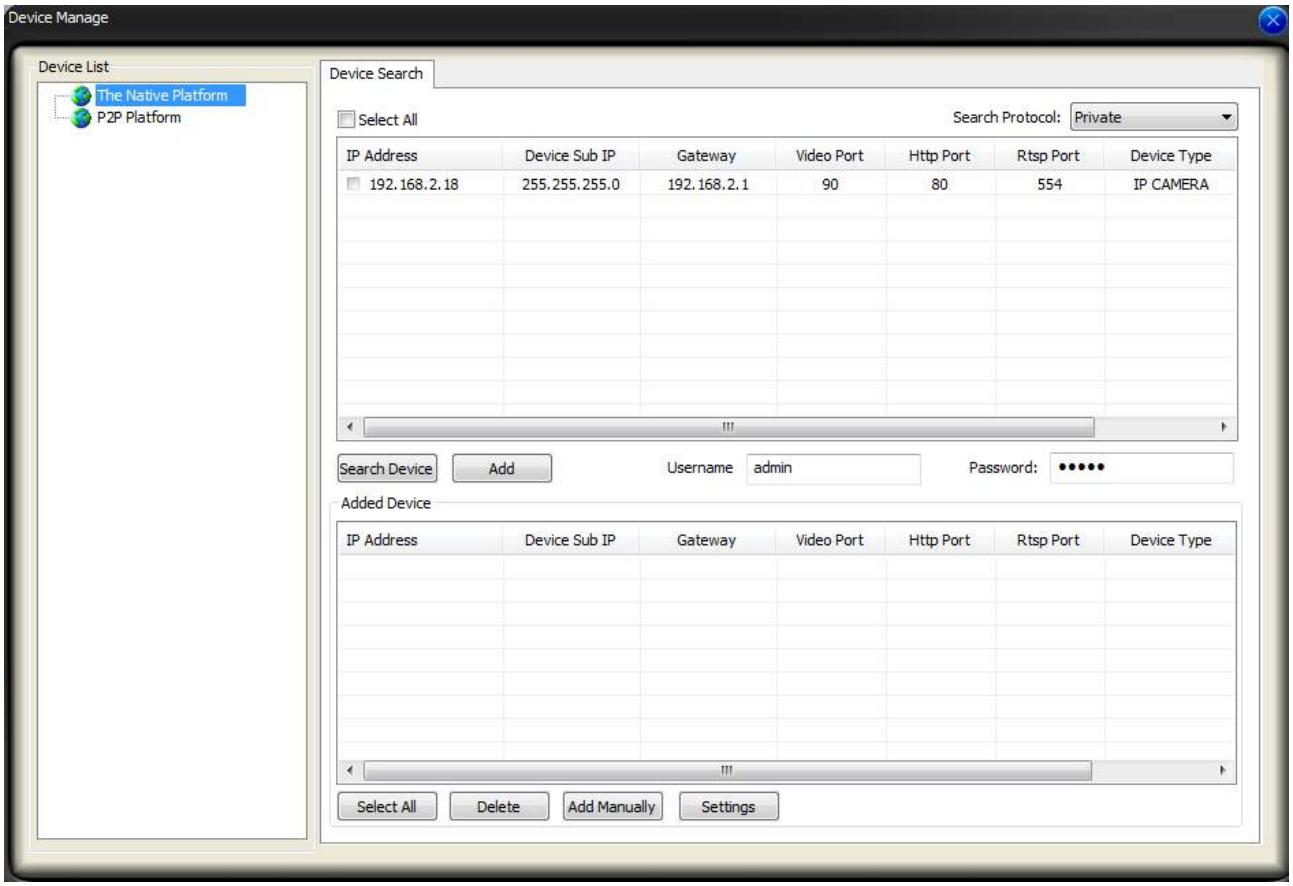
This parameter is important if you want your camera can call Internet sites, such as SMTP server for sending emails. The DNS you can get from your Internet service provider, or simply you can use Google DNS 8.8.8.8 and 8.8.4.4

Connection with HCMS

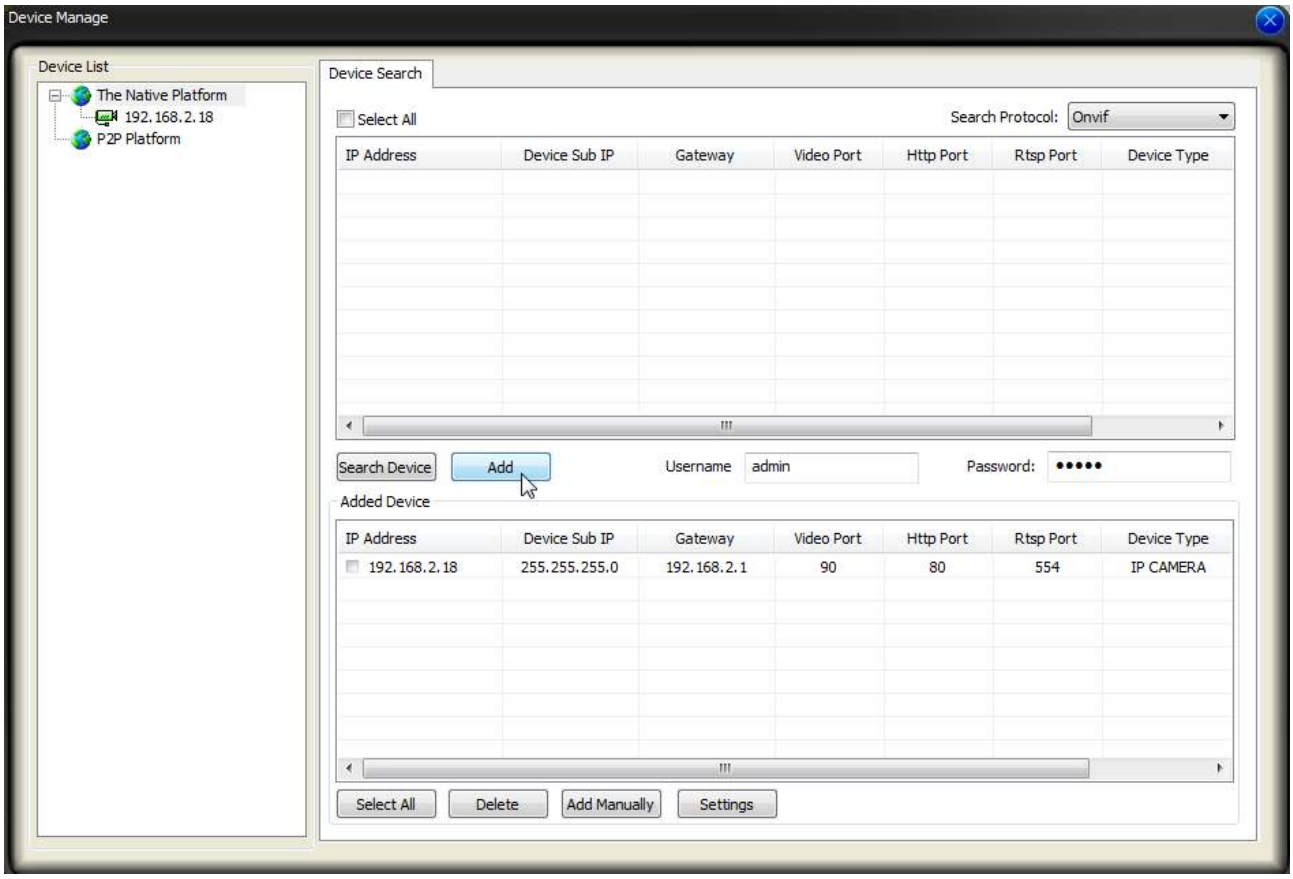
After setting up the camera network parameters you can make a first connection by installing the PC client software HCMS included in the PC.



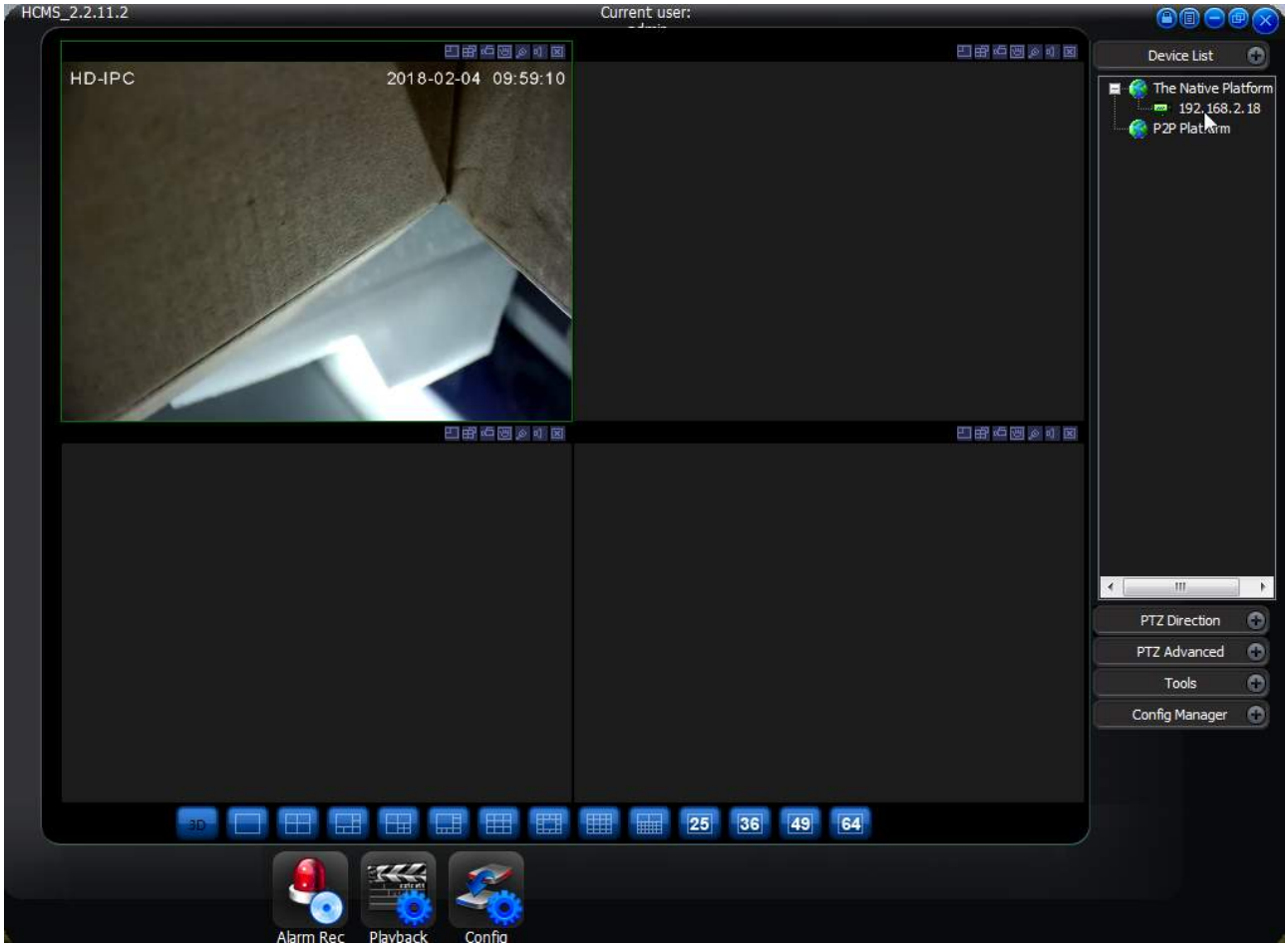
1 - DEVICE MENAGE Click to open the camera configuration page



2 - SEARCH DEVICE Click to search for cameras in this series on the network 3 - Select the camera and click ADD to add the camera to the HCMS Program



4 - In the menu on the right choose DEVICE LIST to show the cameras loaded into the program. The connected camera will be identified by the green. Drag the camera in a view pane. And 'possible to test the camera movements by opening the PTZ control panel DIRECTION and set presets and tour the section PTZ ADVANCED



The HCMS program you can leave installed on one or more PCs on the network for direct visualization and control of the camera without going NVR.

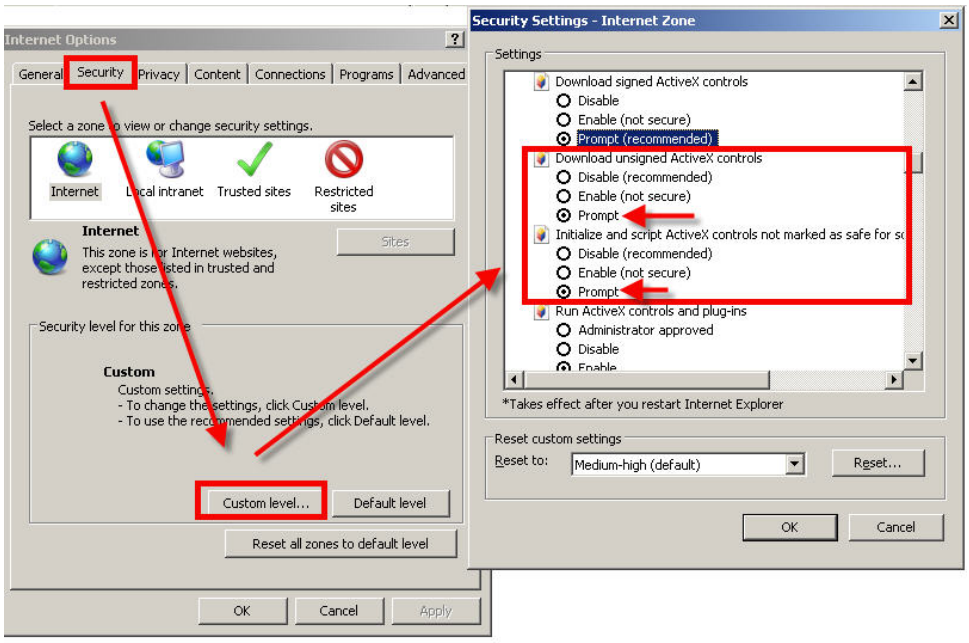
HCMS allows simultaneous display screen up to 64 IP cameras and can also record the hard disk of the computer on the basis of a weekly programmer.

with browser access

Once properly set the network parameters, you can make the first access to the camera using the IE browser. Do not use other browsers like Edge, Chrome etc. they are not supported.

ENABLE PERFORMANCE OF ACTIVEX

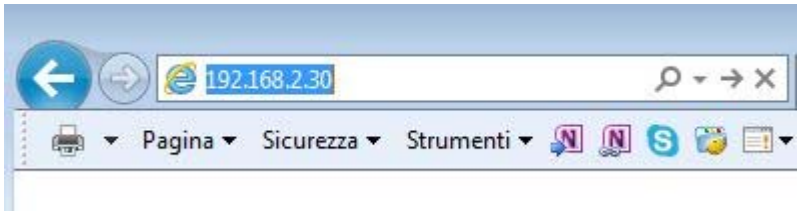
Internet Explorer has security settings that may prevent the installation of the ActiveX component. Before making the connections necessary to enable the execution of ActiveX not marked as safe. In Internet Explorer, select TOOLS / INTERNET OPTIONS



In the folder PROTECTION choose the area of interest (Internet or local network) and click CUSTOM LEVEL. Enable all items for the download and execution of ActiveX especially those NOT marked as safe. E 'can set the items either ENABLE or ASK FOR CONFIRMATION. Finally, save and restart the browser.

ENTER THE ADDRESS IN THE BROWSER

To access the camera using the browser, type in the address box, the IP address that you assigned. In the example below we perform a link on the internal network to the camera with IP address 192.168.2.30.



It is not necessary to specify the connection port since the cameras using factory port 80 which is the one usually used by browsers.

If for any reason you change the HTTP port on the camera settings, then the door to call then follow up the IP address will be necessary to specify in the browser. In this example we are calling the 192.168.2.30 IP on port 85.

LOG-IN

The data of the cameras RJ Factory B access in software versions are:

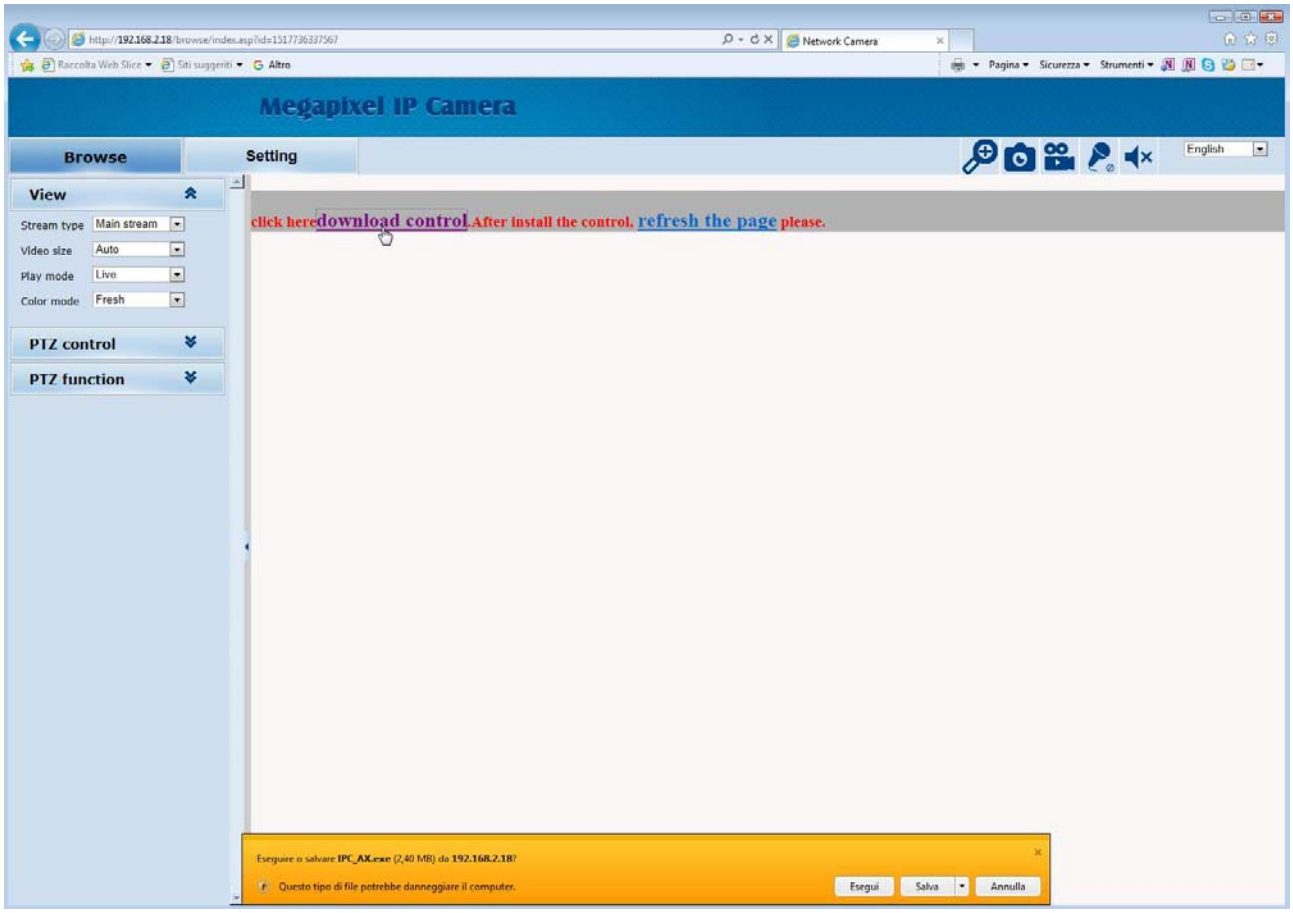
USERNAME: admin

PASSWORD: admin

INSTALLING ACTIVEX

In order to make sure that the RJ series IP cameras are displayed on the browser you must install the ActiveX components. If you login without installing activeX you can not see the video.

On first access you make, you must click the link in the login window DOWNLOAD CONTROL



Below window appears that lets you choose between PERFORM and the SAVE program. Both options can work, just remember to close your browser before you start the installation.

Always click NEXT until after installation.

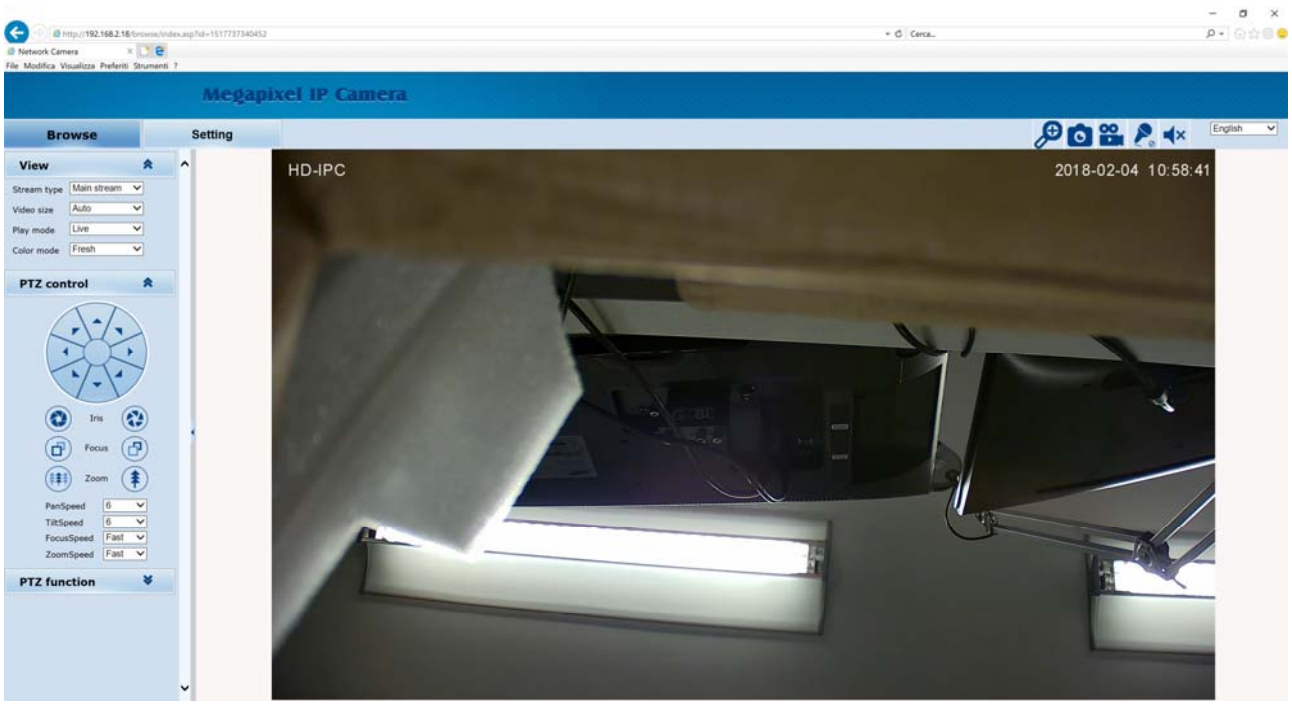
From this moment on, the plugin installed and will not have to do this operation on this computer.

LOG-IN

Data Factory access RJ Version B cameras are:

USERNAME: admin

PASSWORD: admin



The options in the browser window are described in detail later in this manual.

Login with ONVIF NVR

The RJ series IP cameras are cameras provided "NAKED" that is designed to be connected to Network Video Recorders (NVR) or external recording software.

To do this you use the ONVIF standard, now at version 2.6, which fully supports these cameras.

To connect cameras to NVR or software ONVIF refer to the recording equipment manuals. As a rule, NVR recognize the communication parameters to communicate with the cameras automatically.

Normally onvif clients require the following information for the connection:

DOOR: 8999 USER NAME:

admin PASSWORD: admin

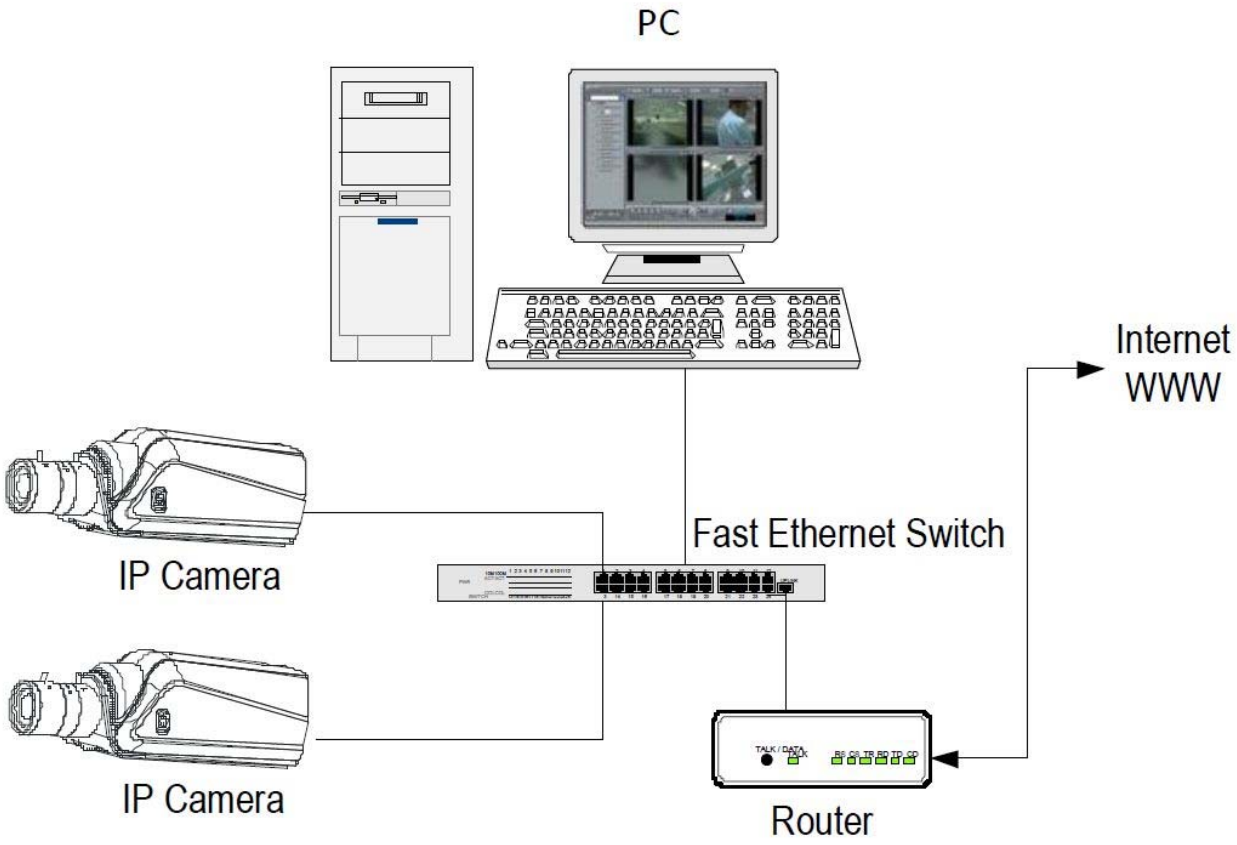
When inserting the authentication data always overwrite the ones proposed by the NVR automatically because it almost always would be incorrect.

by Web access with static IP

The link to "Naked" cameras over the Internet as a rule is not made by calling individual cameras but making the NVR connection. For this type of connection is necessary to refer to the manual of NVR. E ', however, can also connect to the web directly to the cameras with the Internet Explorer browser. To do this you need to make a configuration inside the router following the directions in this chapter where we explain the mapping of the communication ports.

MAPPING WITH WEB ACCESS DOORS ROUTER

An installation of IP cameras is often placed inside a LAN connected to the Internet via a router as in the following scheme



If we use for viewing the cameras internal PC to the network, the addresses of the cameras (usually the 192.168.XXX.XXX type) are directly accessible. If you wish to connect via the Internet using a PC placed elsewhere, the internal network addresses will no longer be reached directly, because the only IP address visible from the web will be what our router will by its WAN side that is towards the Internet outside world.

This address is assigned by the provider (ISP). And 'advisable to get from the provider a fixed address each time you connect. If there is a chance you need to use DDNS services (see configuration manual).

It is not sufficient, however, type in the browser the IP address of the WAN side Router to connect to the cameras. The router acts as a filter and drops every external call that a call from within the network is not paid before. In order to connect the cameras it is therefore necessary to insert inside the router ports of directing instructions which, depending on the router manufacturers are called NAT, PORT FORWARDING, PORT MAPPING etc.

In practice, access the router configuration and insert instructions so that this direct calls coming from outside, to the inside IP address of the cameras. Obviously the directing is only performed for the communication ports that are used by the cameras and that will be detailed below.

The communication ports used by the RJ series B version cameras are as follows:

- **HTTP PORT:** Default 80. The cameras use this port to communicate with browsers like IE. Browsers such as Internet Explorer use the factory port 80 for communication. For example, if we type in the bar browser address: http://212.12.34.201 will be called the IP address 212.12.34.201 on port 80. If in the configuration of the camera is set to a different HTTP port (eg. 81, 82, etc.) it needs to be clarified in the browser which port to use for the named after pointing the address with ":" to separate it. If, for example. http://212.12.34.201:81 we type will be called the IP address 212.12.34.201 port 81.

- **VIDEO PORT:** Default 90. The cameras use this port for sending video streaming

- **PORT RTSP:** By default 554. E 'used by the camera for sending video to RTSP clients such as VLC, Real Player etc ..

- **RECORD HOLDER:** Default 8088. E 'it used by the camera sending the recordings

- **PORT ONVIF:** Default 8999. And 'the port used by the cameras for dialogue with NVR onvif. This leads, in some models can not be changed. Set port 8000 nell'NVR to charge the camera.

If behind the router counts more than one camera and you want to reach them individually from the outside you must be assigned to each of them a different http port. For example 80,81,82 doors etc.

In the NAT router settings you will have the direction of each door towards the inside address of the own camera.

Note that many routers require that each directing NAT is also combined with a rule in the firewall section that determines the opening of the affected port. Consult your router's manual for details on how to program the port mapping

Remember that web access to IP cameras in this range is much easier if done through the NVR, why the information provided in this chapter are present only for informative purposes for particular applications.

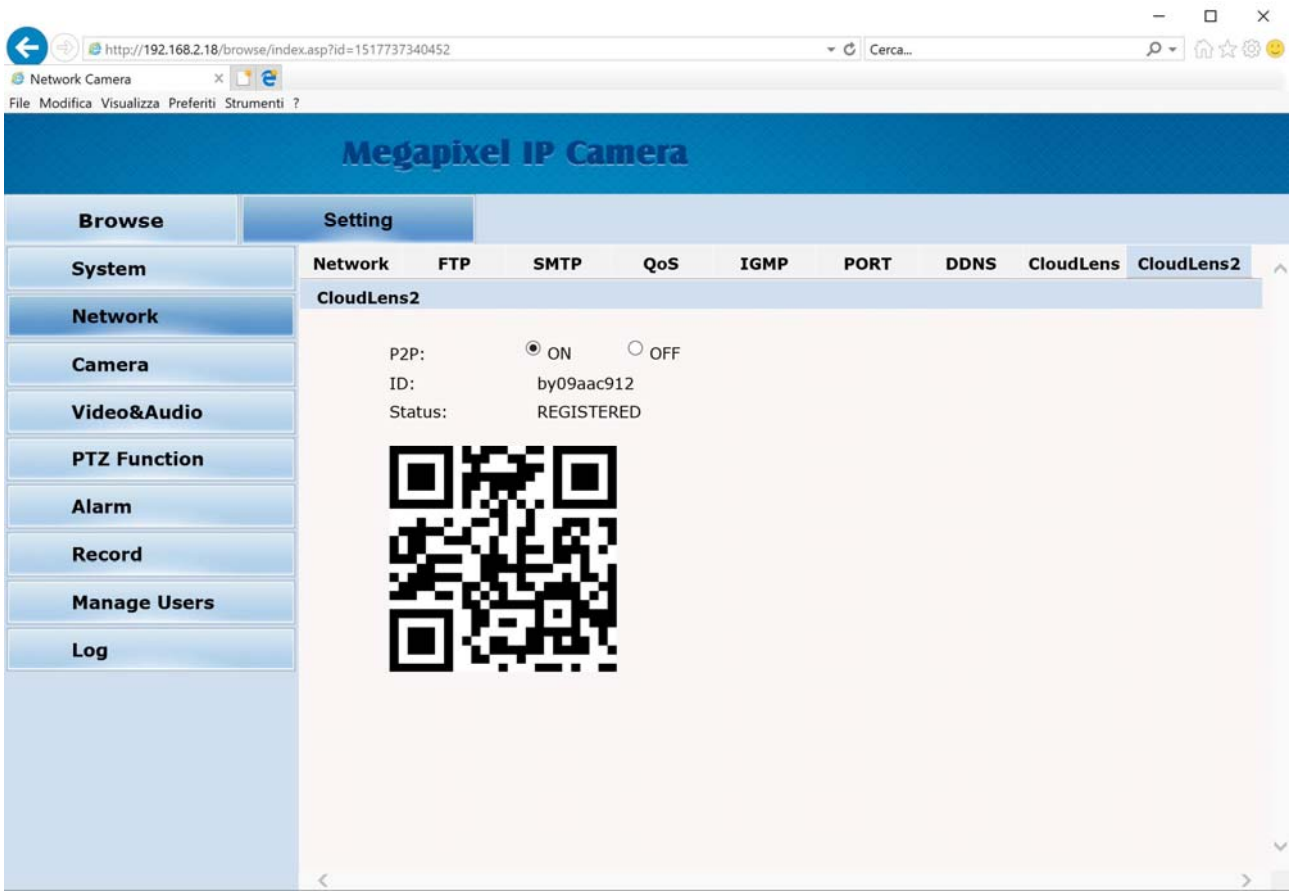
In addition, the cameras also feature a P2P cloud server that allows access to Internet without static IP or router configuration using the app CLOUDLENS as shown in the following chapter.

by Web access with P2P and cloud APP CloudLens

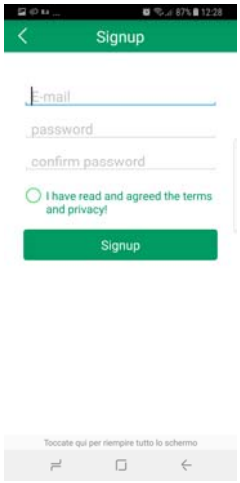
The Internet connection is made through the NVR rule that deals with the management of the camera. However, these cameras also feature a P2P cloud server that allows access to Internet without static IP and no mapping of ports on the router using the APP CLOUDLENS.

1 - To use this service you must enable it first thing in the camera's network configuration by logging in with Internet Explorer.

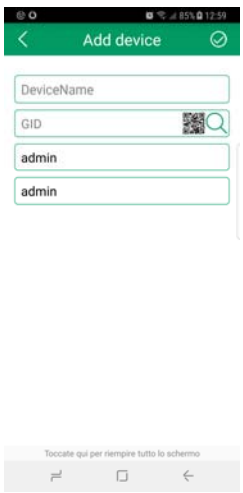
If the camera is connected to a network with Internet access, you'll find the camera already registered on the cloud CLOUDLENS or CLOUDLENS2

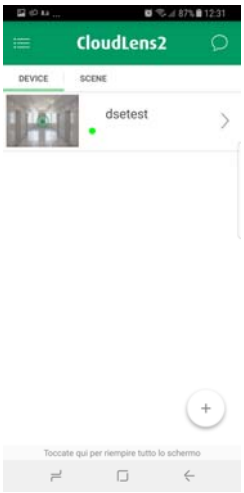


2 - Download the app or CLOUDLENS CLOUDLENS 2 from Google Play (Android) or Apple Store (iOS), create a free account in the cloud and access with credentials



3 - Press the + icon to add a camera. Enter ID manually, or slay the QR code directly from Internet Explorer.





The APP allows you to move the camera by dragging your finger across the screen to zoom with the zoom buttons +/- and also to record photos and videos on your mobile phone.


SD

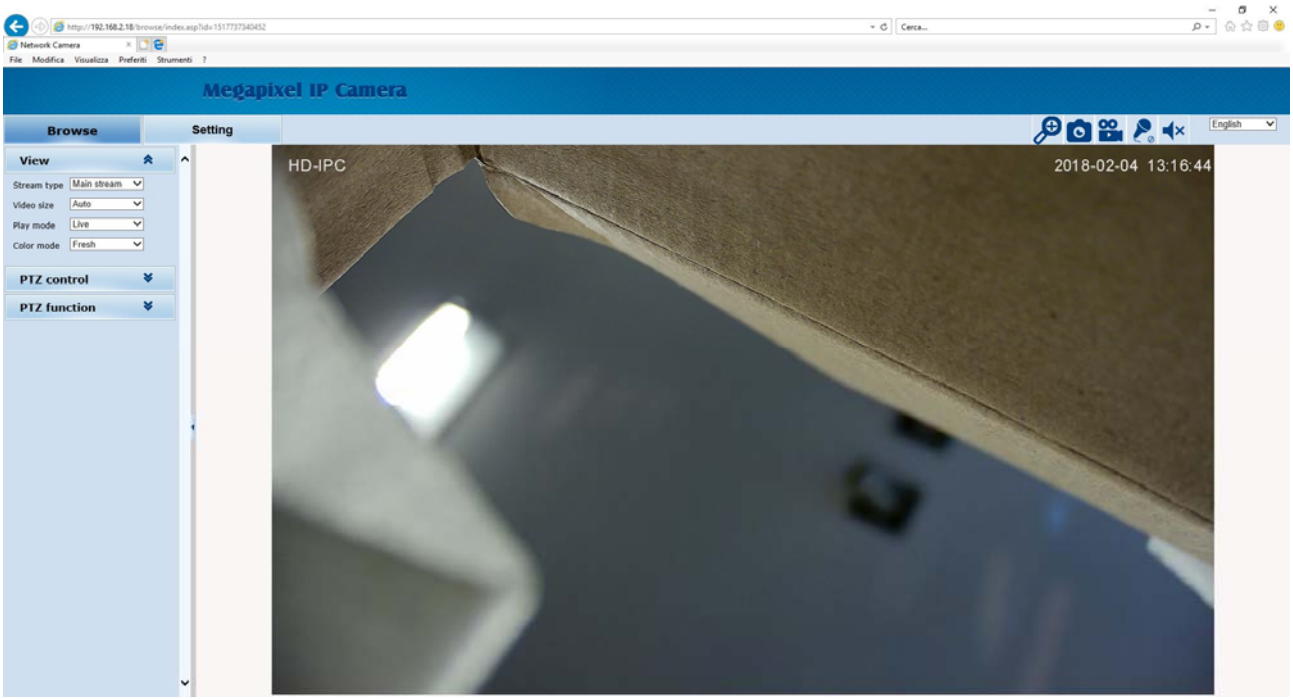
Browser - LIVE Controls

In previous pages we explained how to access the cameras with your PC using the Internet browser.

If you have never done before access with the browser on your camera should resume the manual and follow the instructions above to connect successfully.

This section of the manual start from the login window to enter user name and password for access to admin / admin Factory

BROWSE VIEW



STREAM TYPE - This button is defined as a video stream from the camera to receive Whereas the RJ cameras can handle 3 different streams. Choosing MAIN STREAM receiving video at full resolution, choose SUB STREAM receiving the second stream of the camera is a video stream lighter to use with low bandwidth available, for example via the Internet. You can also choose to receive a loosely packed MJPEG stream used by some applications.

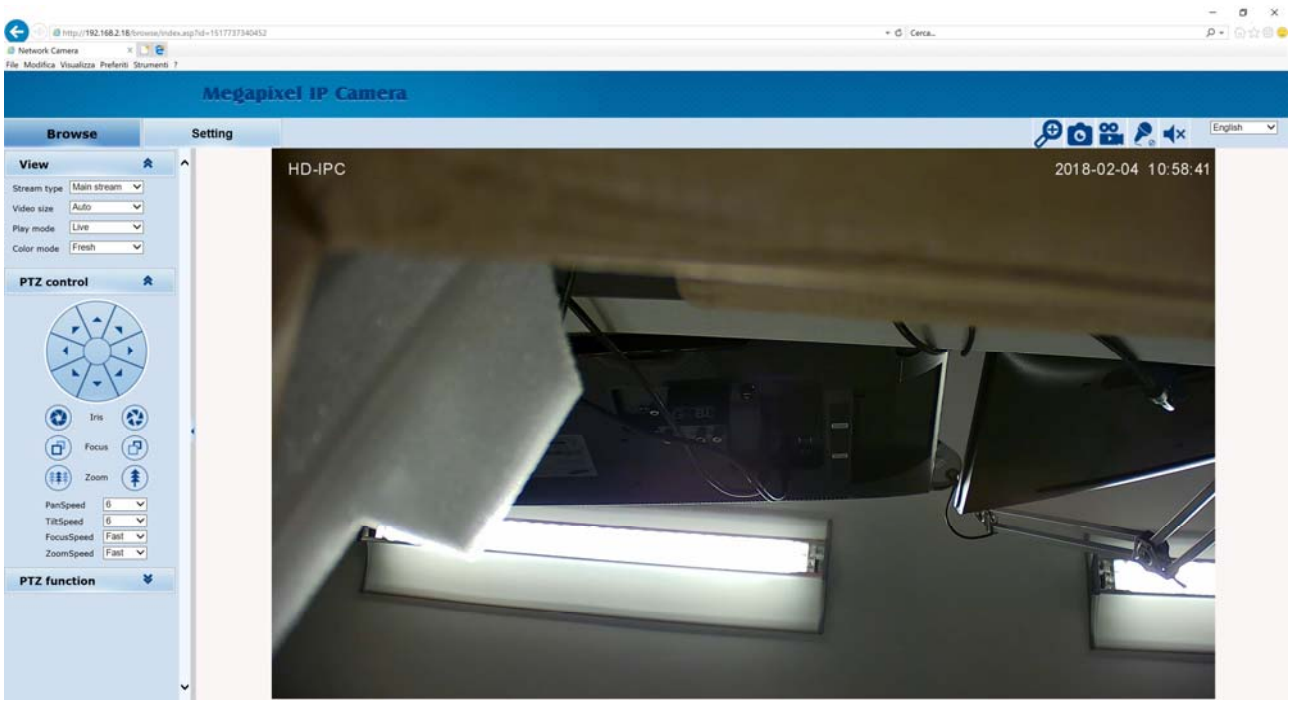
The characteristics of these video streams are defined in the configuration.

VIDEO SIZE - Resize the camera's live video window to fit the monitor. You can choose 1 / 2x and 1 / 4x if you're using a small monitor or 1x for the actual resolution of the camera. It 'also available the FULL option that fits the image to fill the frame and AUTO adapts the picture automatically (recommended)

PLAY MODE - The LIVE mode strictly respects the choice of streaming set poch'anzi, the SMOOTH mode changes streaming automatically based on the bandwidth availability.

COLOR MODE - Adjust the color rendering to the monitor

PTZ CONTROL

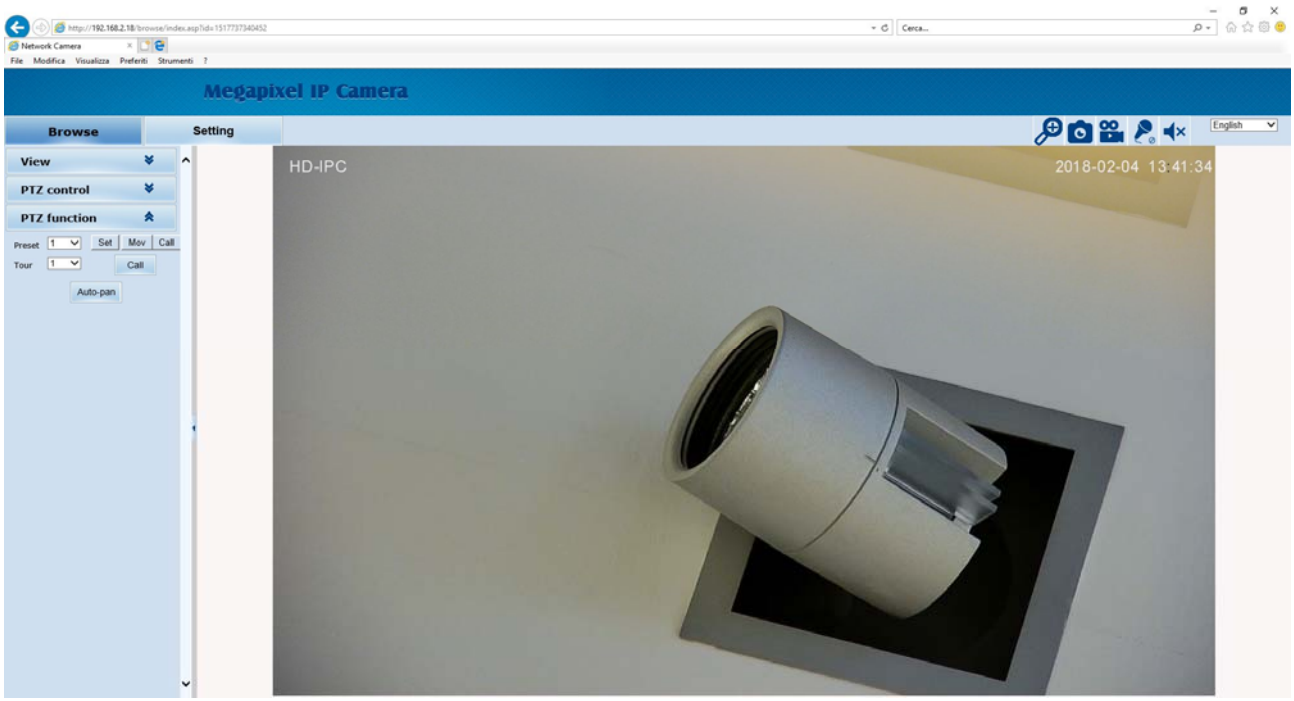


MOVEMENTS - Acting on the arrows to move the camera

IRIS - Check the diaphragm (may not be permitted by the advanced settings) FOCUS - Control the focus manually ZOOM - move zoom + and -

PAN SPEED - the horizontal movement speed TILT SPEED - the vertical movement speed FOCUS SPEED - Speed of focus ZOOM SPEED - Zoom Speed

PTZ FUNCTION



PRESET - The presets, commonly known as PRESET, are preset camera positions characterized by a precise value of X / Y coordinates, zoom and focus. You can easily call if necessary. You can define up to 255 presets. To define a preset position the camera, choose the preset number and press the SET button. To recall a preset, select the number and press CALL. To delete a preset, select the number and press MOV.

It should be noted that some preset between 20 and 64 are not available for the user's use, but have special functions for the camera programming. See below for the SYSTEM PRESET list.

TOUR - How TOUR, or CRUISE, means the automatic movement of the camera between presets with a residence time on each of them programmable. This camera can handle a TOUR sequence between the preset 1 and 16 that is activated by invoking the preset system 20 (see system presets).

In reality, however, this function button does not address directly a tour, but the system presets that you can set in the configuration of the tour as we will see later in the configuration.

You can match the command TOUR 1,2,3,4 any system presets, so as to perform any automatic action, such as patterns, scan etc. (See below in the section SYSTEM CONFIGURATION Preset e)

AUTOPAN - This command is not active on these models

BUTTONS LIVE

With the LENS button to activate the digital zoom and you can zoom in a box by dragging the mouse. With PHOTOS and VIDEO buttons you can record live images on a PC. The audio-related buttons are not used are these models.

System Preset automatic movements

The previous chapter explained how to recall presets (pre-positions) of the camera via browser. The camera presets can also be called by NVRs or with HCMS software.

In this chapter we explain the particular function of some presets, comprised between 20 and 64, which unlike the others do not serve to move the camera in predetermined points but to set the camera's automatic functions.

To avoid misunderstandings in the reading of this part of the manual appropriate first to clarify that for these cameras, there are 4 types of automatic movements:

PRESET - The presets, or prepositions, are preset camera positions characterized by a precise value of X / Y coordinates, zoom and focus. You can easily invoke remote from necessary. The camera manages 256 presets, but some presets, said presets system, are not available for the user and the camera recall specific functions (see table below)

SCAN - Even said AUTO-PAN. It is understood the continuous movement RIGHT-LEFT between two end positions, or at 360 °.

TOUR - also commonly called CRUISE or PATROL. It means the automatic movement of the camera between presets with a residence time on each of them programmable. This camera 1 operates tour between preset from 1 to 16 (preset not set are ignored in the tour)

PATTERN - Similar to the TOUR. However, the camera does not follow in sequence the various presets, but a sequence of movements customized, pre-registered by the user. This camera manages up to 4 different patterns.

In this table are listed all the system presets with their functions. Before invoking a system presets you must stop any automatic movements in function, such as tour or pattern.

PRESET FUNCTION CONTROL			DESCRIPTION
GENERAL COMMANDS			
50	CALL	Clear Preset	Recalling the 60 preset clears all settings of presets previously stored in the camera.
64	CALL	Restore default	Restore the factory settings. Use this command to start the program if you have configured error of the functions that you do not want.
SETTING ACTION HOME (IDLE)			
			In all our PTZ cameras it is possible to set the main action, ie a type of movement that the camera will return to run automatically after a certain idle time of the operator. This main function is defined IDLE. By default, the IDLE position is set on TOUR between 1 and 16 presets.
60	CALL	Set IDLE to PRESET 1	Recalling the 60 presets the main camera position (IDLE see above) will be the PRESET 1
61	CALL	Set up IDLE PATTERN 1	The main camera position (IDLE see above) will be the PATTERN 1
62	CALL	IDLE SCAN Set of A / B	The main camera position (IDLE see above) will be the panoramic scanning between two points A / B switch
63	CALL	Set on IDLE The main camera position (see IDLE	

		SCAN 360 °	above) will be the panoramic 360 ° scan

TOUR MANAGEMENT (CRUISE / PATROL)

20	CALL	Start TOUR 1	A TOUR or PATROL or CRUISE is the sequential display of various presets. Recalling preset 20 starts the TOUR between presets 1 and 16. Any presets are not programmed are ignored
21..25 CALL		Set tour dwell time	When running a tour the camera is stationed on each preset for a set time. Recalling these preset you set the dwell time as follows: 21 = 4 sec. 22 = 8 sec 23 = 10 sec. 24 = 15 sec. 25 = 20 sec.

PATTERN MANAGEMENT

			A PATTERN is a sequence of movements and zoom that can be recorded and recalled at any time.
26	CALL	Record PATTERN 1	To store the sequence of operations PATTERN 1 move to the point of beginning and call preset 26. From this moment the camera will store all the operations that will be performed. Then start to take the camera with all the movements of Pan Tilt Zoom and you want to store.

			When call preset 30 to save the pattern 1
27	CALL	Record PATTERN 2	Like above
28	CALL	Record PATTERN 3	Like above
29	CALL	Record PATTERN 4	Like above
30	CALL	PATTERN Recording end	Recalling the preset 85 stops the recording of the current pattern sequence (1,2,3 or 4)
31	CALL	Start PATTERN 1 Starts the execution of the Pattern 1	
32	CALL	PATTERN Start 2 Start the Pattern 2 running	
33	CALL	Start PATTERN 3 Starts the execution of the Pattern 3	
34	CALL	Start PATTERN 4 Start playing the Pattern 4	

MANAGEMENT SCAN

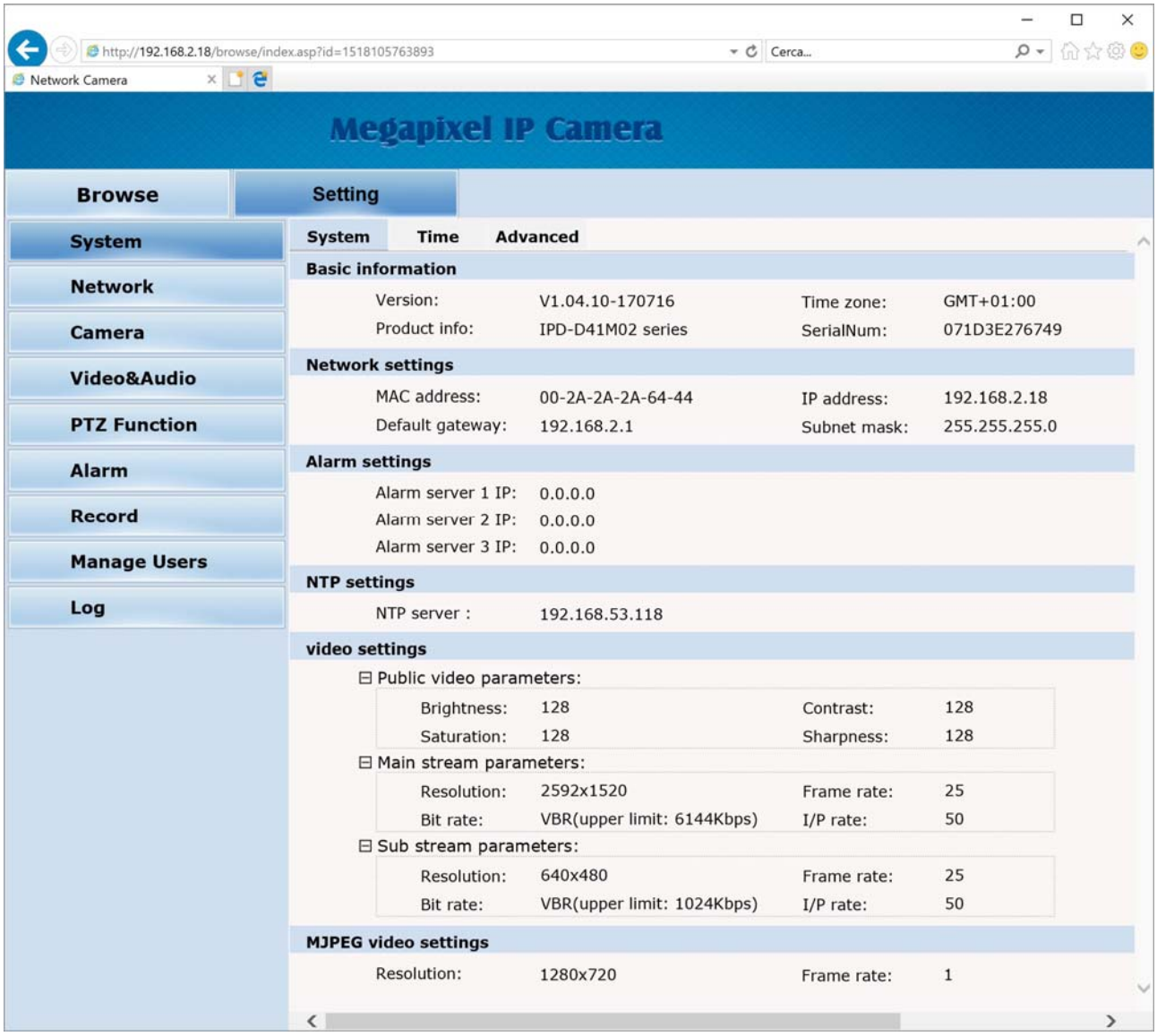
			As SCAN AB, or AUTO PAN, it defines the horizontal continuous movement between two limit switches with the same level of TILT.
41	CALL	Set SX SCAN limit	To set the left limit position the camera in the preferred point and recall the preset 41
42	CALL	Set DX SCAN limit	As above to set the right limit of SCAN
43	CALL	Start SCAN AB	Start panning between the right and left limit set with the previous preset

44	CALL	Clear limits SCAN	Delete the limit switch settings set to scan with the previous preset
49	CALL	Starts scanning 360 °	Start panoramic rotation 360 ° continuous without limit switches
51..55 CALL		Set speed of scanning overview (both between limit switch 360 °)	These presets set the rotation speed of the camera during the panning between limit switches or 360 °: 51 = 3 ° / sec 52 = 6 ° / sec 53 = 9 ° / sec 54 = 15 ° / sec 55 = 40 ° / sec

Browser - Setting

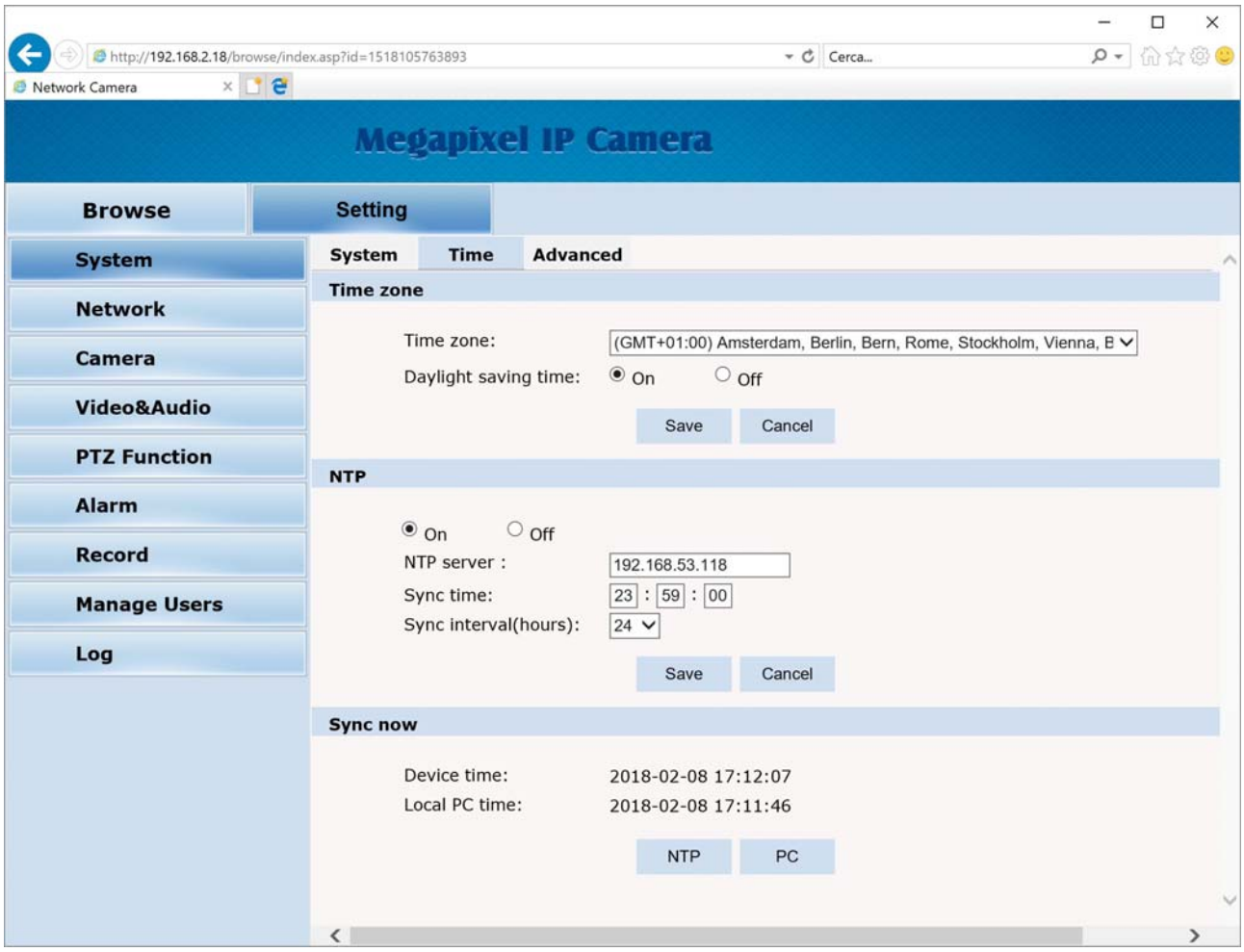
Using your Internet Explorer browser you can configure all camera options.

SYSTEM - SYSTEM



Here we are collected all the data functions of the camera for information purposes

SYSTEM - TIME



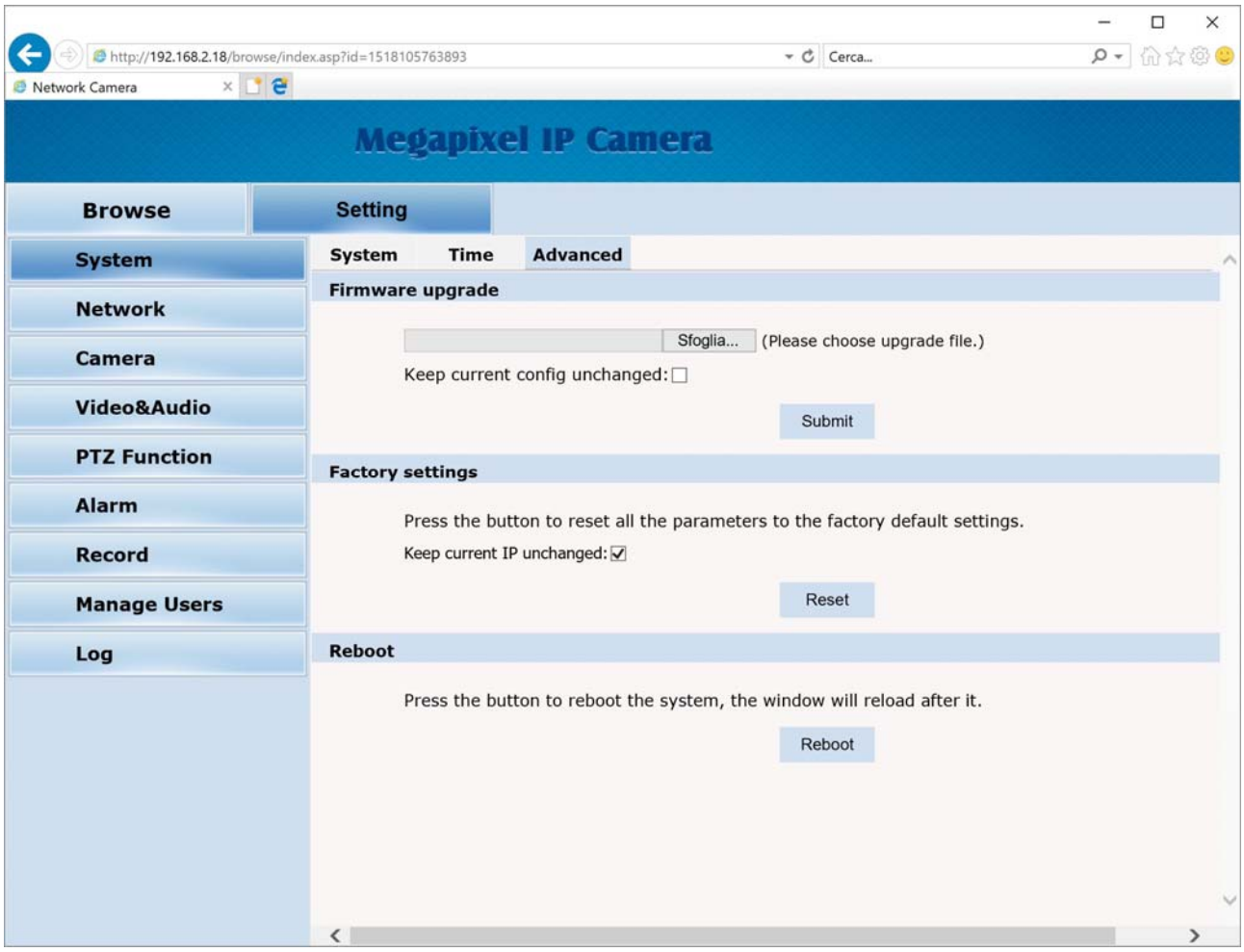
TIME ZONE - Select the reference time zone. For Italy GMT + 1.

DAYLIGHT SAVING TIME - Enables automatic Daylight Savings Time Management

NTP - Here it is' possible to make sure that the camera automatically synchronize the time and date via the internet with an NTP (Network Time Protocol), for example: time.windows.com. Enter the server address, the time and frequency of each synchronization.

SYNC NOW - E 'can force time synchronization with NTP server or the computer. The DEVICE TIME box displays the current set in the camera now.

SYSTEM - ADVANCE



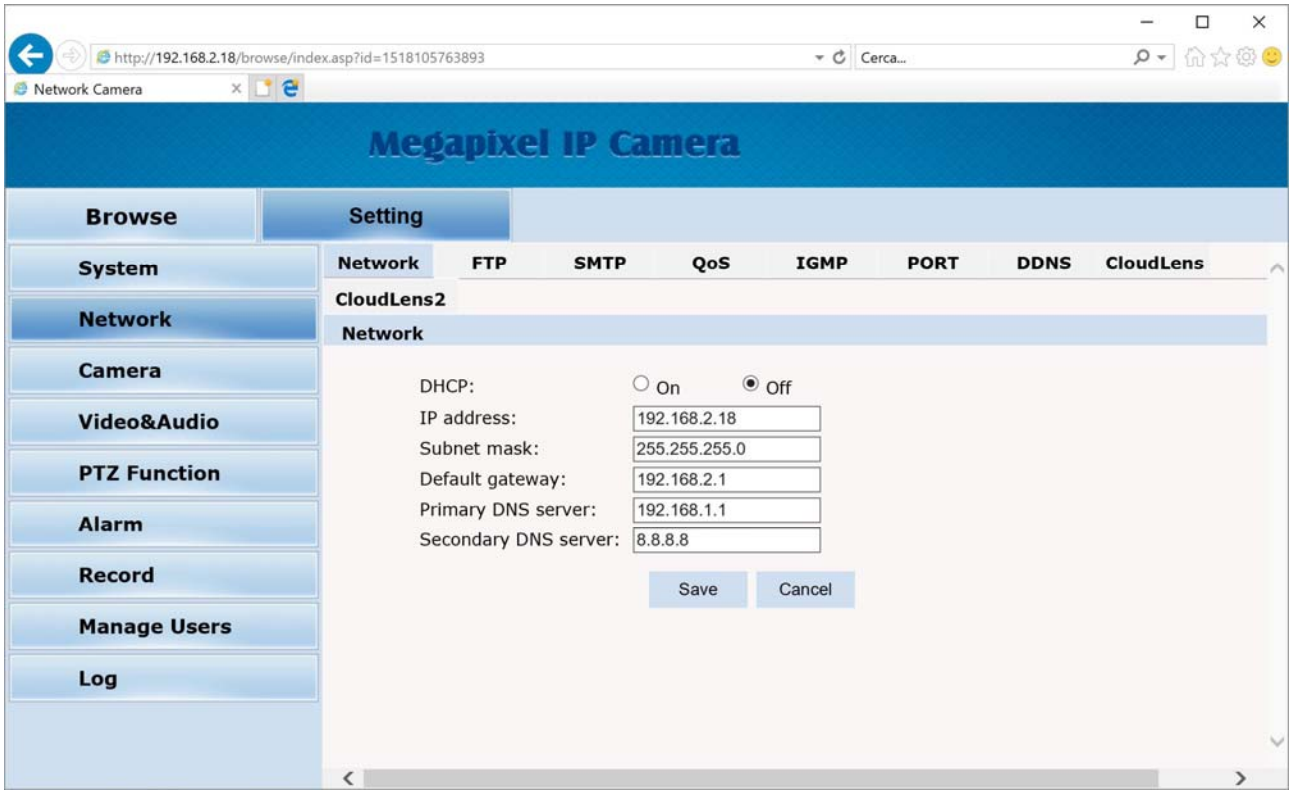
The SYSTEM / ADVANCED page includes some advanced maintenance functions

FIRMWARE UPGRADE - E 'can make the firmware update, only if requested by the technical DSE

FACTORY SETTING - Restores the camera's factory settings. E 'can select the tick to preserve the current IP address.

REBOOT - Reboot the camera

SYSTEM - NETWORK



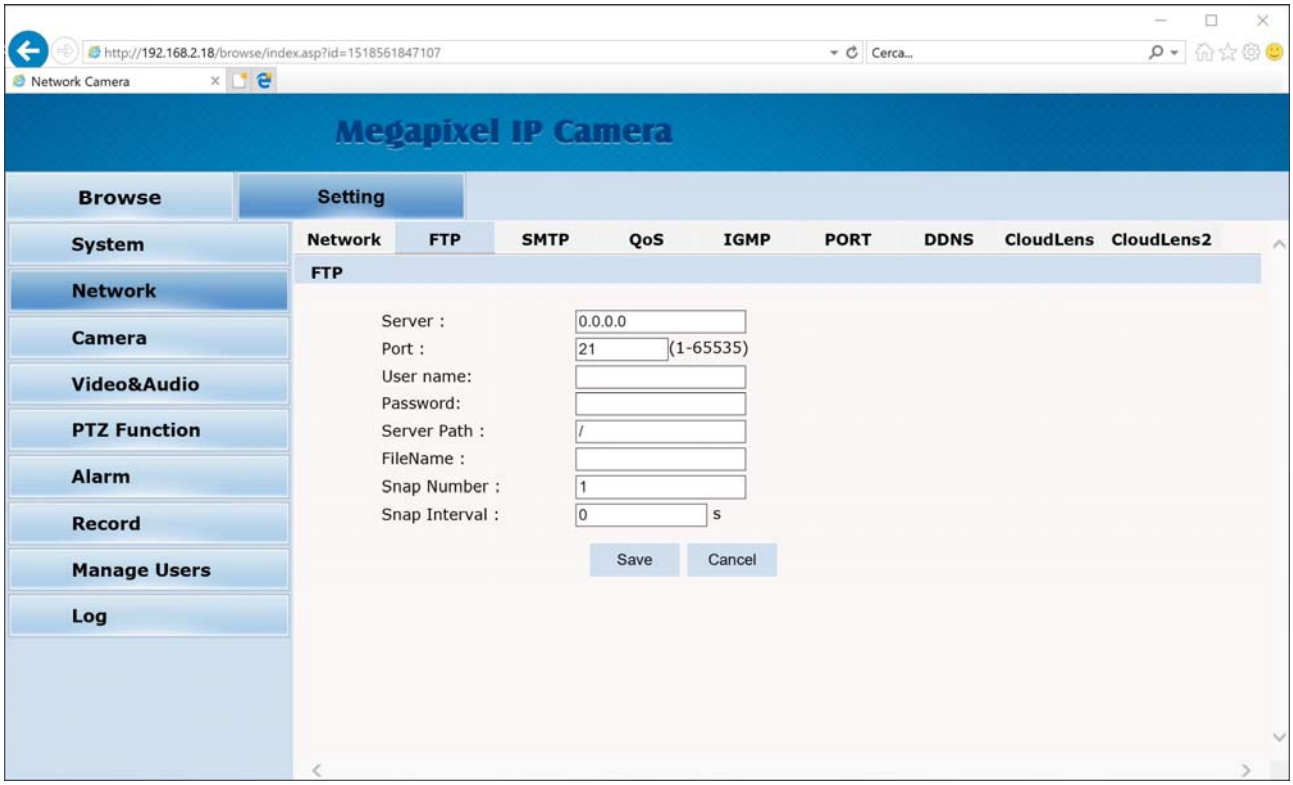
In the folder **NETWORK** setting the network parameters of the camera

DHCP: The cameras support both manual IP address assignment is automatic assignment from a DHCP server on the network. The latter is typically not used because it could cause the change in the address time of the camera.

The DHCP mode may be of help if you are uncertain about the network configuration to be assigned to the camera. You can start the camera in DHCP mode, so that it automatically takes the correct parameters, then exclude the DHCP and copy the parameters in the static configuration.

IP / SUBNET MASK / GATEWAY: Here you can enter the network settings manually. These are the classical parameters that allow the device to communicate with your network. Normally these parameters are assigned during the installation with the configuration software as shown in the installation section. It 'also possible to modify them in this tab.

PRIMARY / SECONDARY DNS - And 'the DNS server address that allows the camera to interpret the web site addresses. You can use the Internet DNS provider (ISP) or other free network, such as those of google 8.8.8.8 and 8.8.4.4.



Folder **NETWORK FTP** It allows you to enter the FTP server data. **The cameras can upload images to a website via FTP on a time basis.**

It 'a very used in applications webcam application.

FTP SERVER - IP address of the FTP server

FTP PORT - The communication port, typically the 21

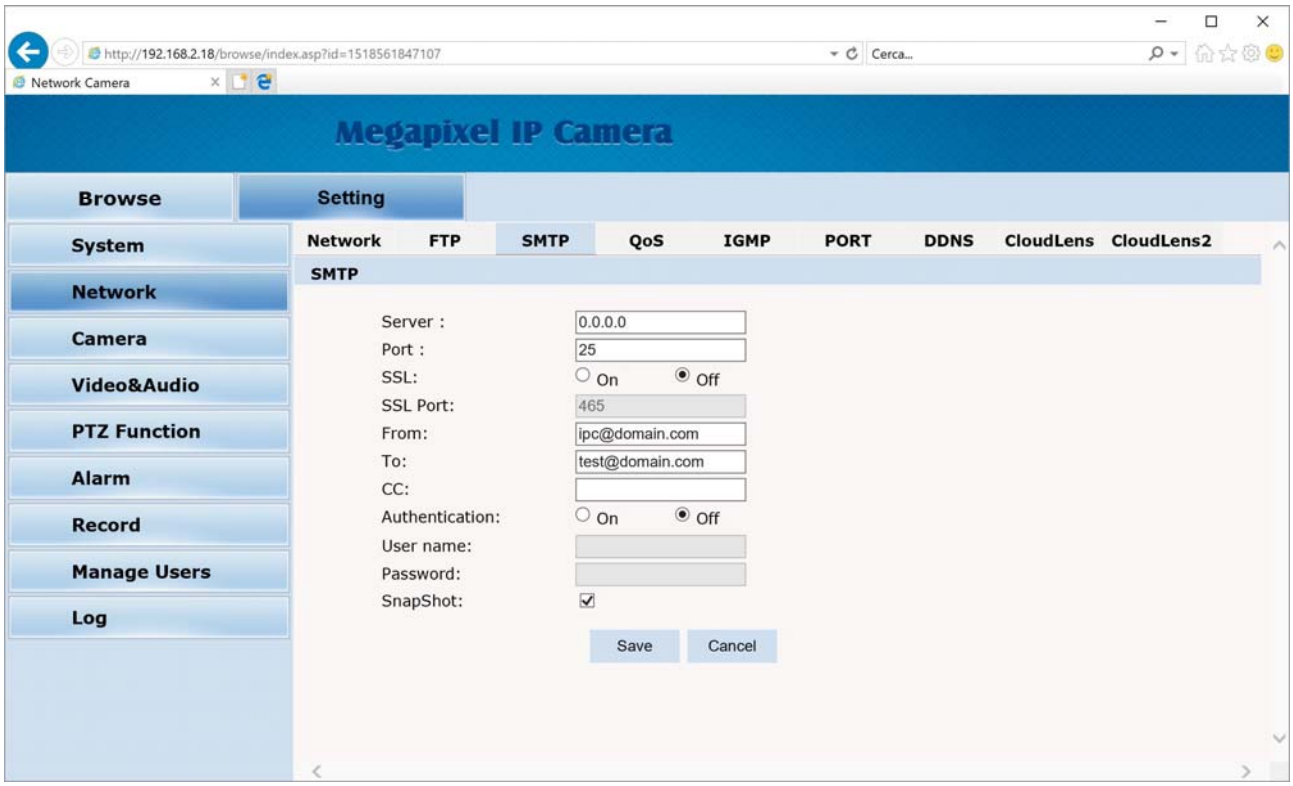
USER / PASSWORD - All access FTP servers require authentication that is indicated here

PATH - Here it is to display the camera about the folder to save the files to the FTP server.

FILE NAME - Set the reference name for the files

SNAP NUMBER - Set how many consecutive shots saved

SNAP INTERVAL - Set the waiting time between a series of shots and the subsequent (max 15 sec)



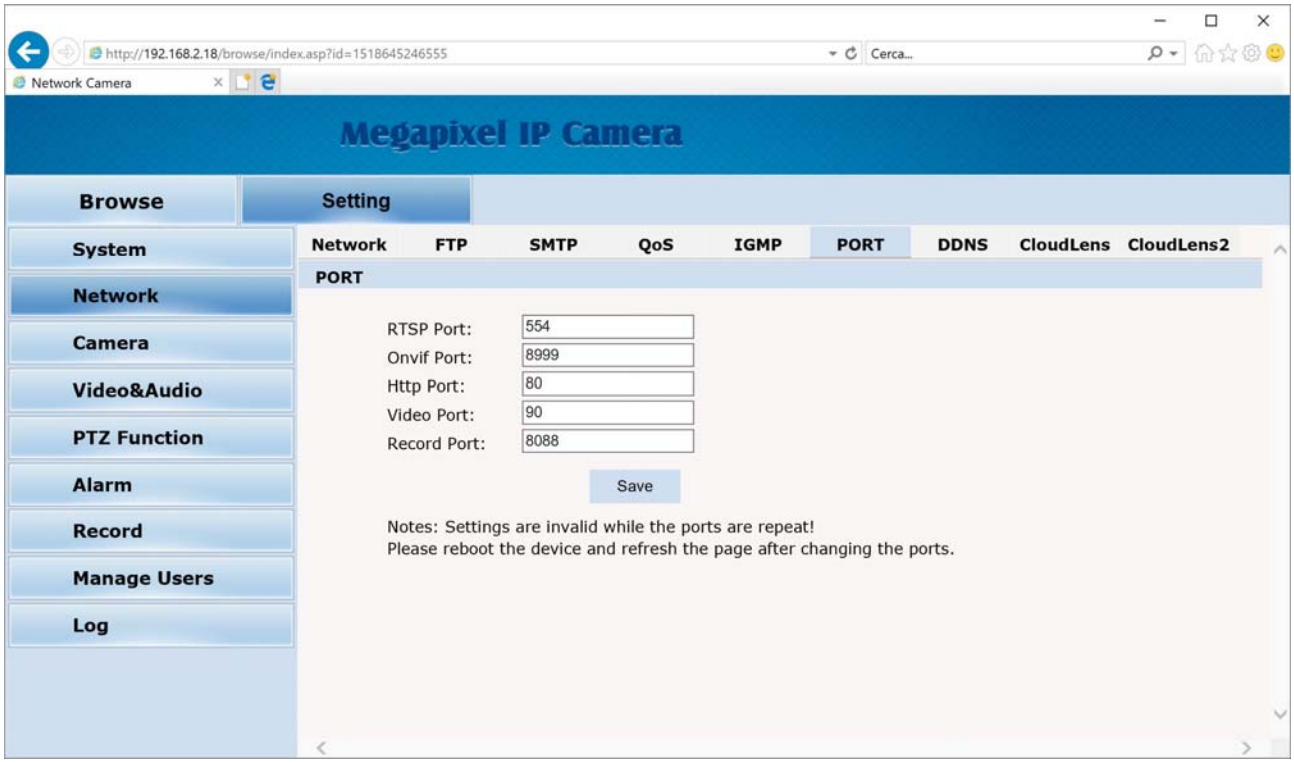
Folder **SMTP NETWORK** It allows you to enter the SMTP server for sending emails. **Cameras can send alarm EMAIL, although typically** this function is commonly entrusted NVR.

E 'can indicate the address of the SMTP mail server, port and authentication data to be used to access the SMTP server if it requires authentication. If the server uses SSL encryption, you must enable it.

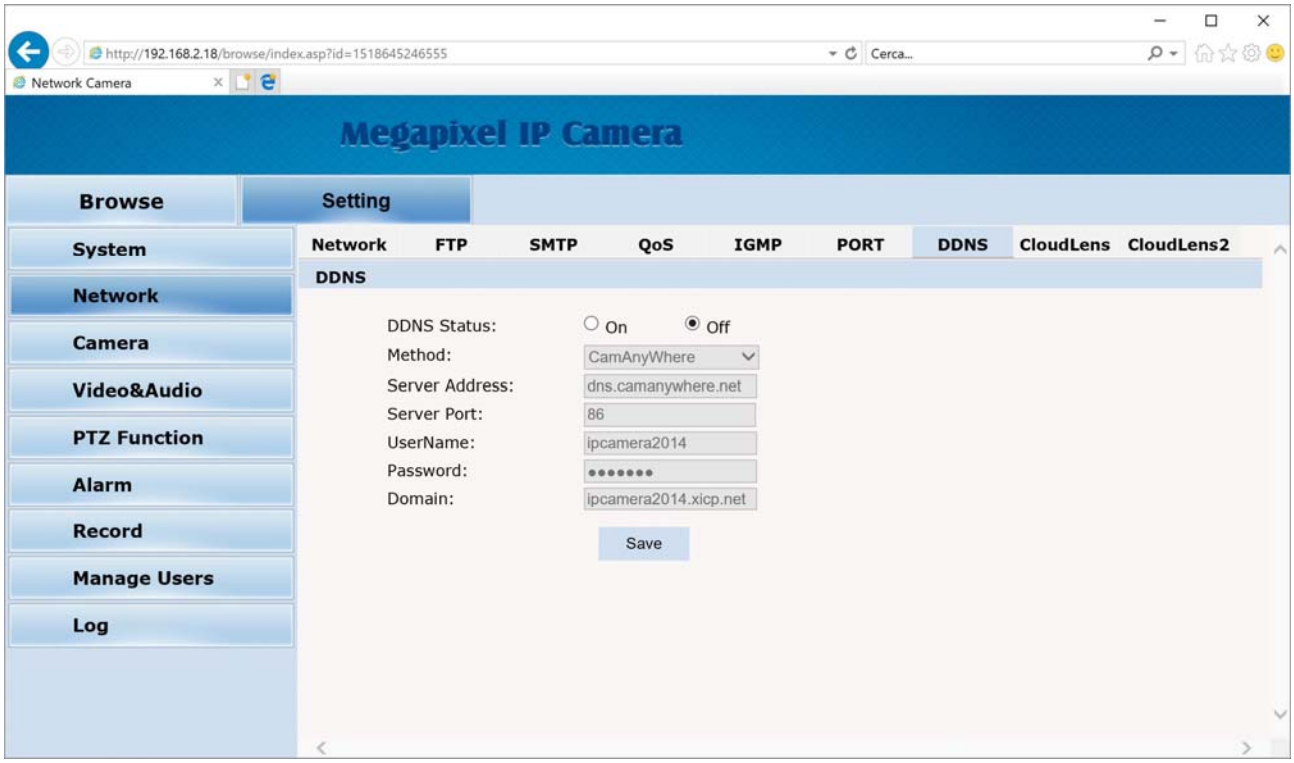
You must also enter the email address to use as the sender (FROM) and 2 recipients (TO and CC). You can also enable password authentication if the server is requesting. SNAPSHOT With the check you send the picture attached to the email.

Folder **QOS** allows you to choose the Del Network Service Quality control mode that manages the network errors such as packet loss, delays etc .. The default setting (NORMAL) is normally the best for the majority of applications

Folder **IGMP** It allows you to set the multicast transmission parameters if you need to send the video to many clients simultaneously.



Folder **PORT** It allows you to set the communication ports used by the camera is recommended not to change these ports without knowledge of the facts as they can make the camera unreachable.



Folder **DDNS** It allows you to manage with the camera connecting to a DDNS server that is used for the web link when you do not have static IP.

In Naked cameras it is extremely rare that you access the camera directly, without passing by 'NVR. If you need access to particular applications through the Internet directly to the camera it is definitely advisable to have a fixed IP address so that you always know the exact address to connect.

If you can get a static IP from your ISP, these cameras feature a P2P cloud server that allows access via the web with the dedicated APP, without static IP. If you do not want to use our cloud, the cameras support services DDNS (Dynamic DNS) that continuously monitor the IP address of the camera to the Internet and allow you to compensate for the lack static IP. These services, available online, provide the user with a domain name that you type in the client. The DDNS provider redirects communication to the IP address that the camera has at that moment.

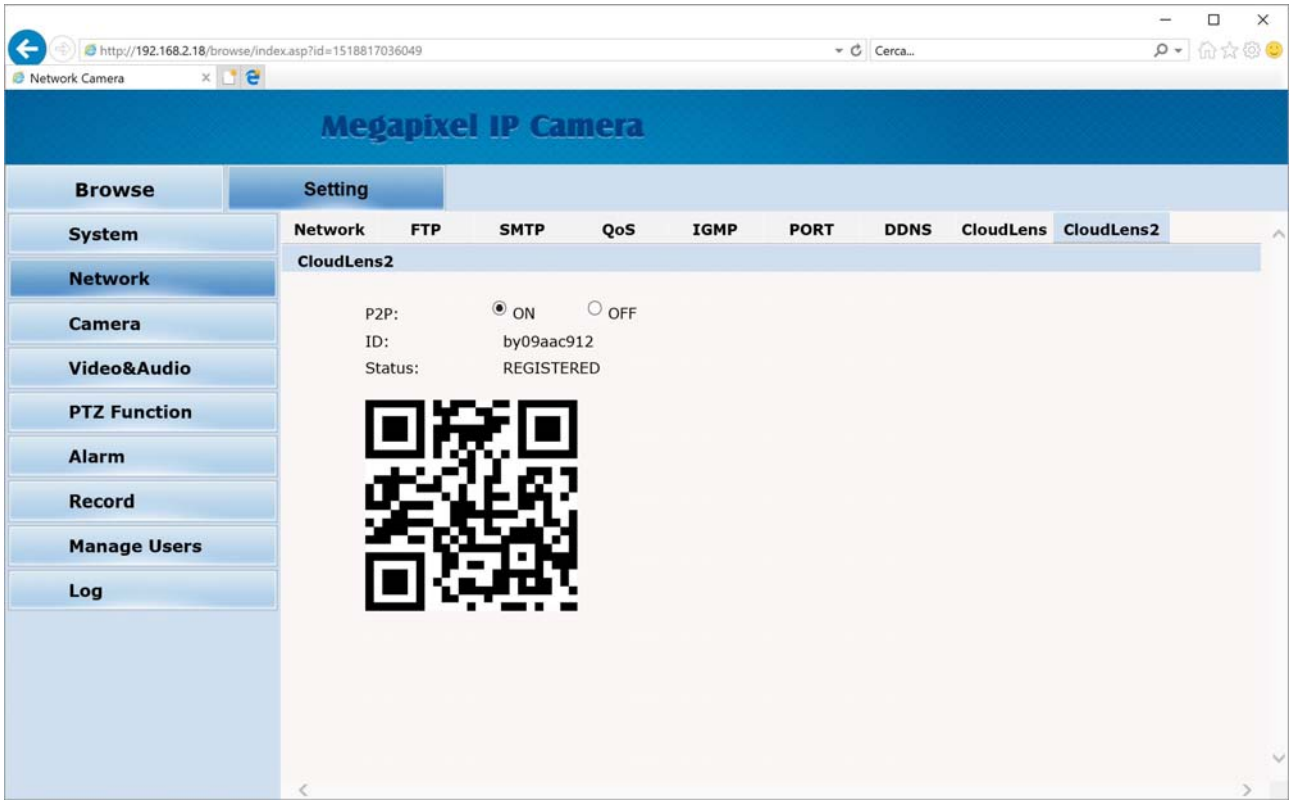
The RJ Series cameras support the most common DDNS services and are able to send to the DDNS provider periodically Internet IP address assigned to them.

METHOD / SERVER ADDRESS - 4 are supported DDNS providers: DYNDNS, NO-IP, and CAMANYWHERE QDNS

SERVER PORT - Communications port to use for communication with the provider

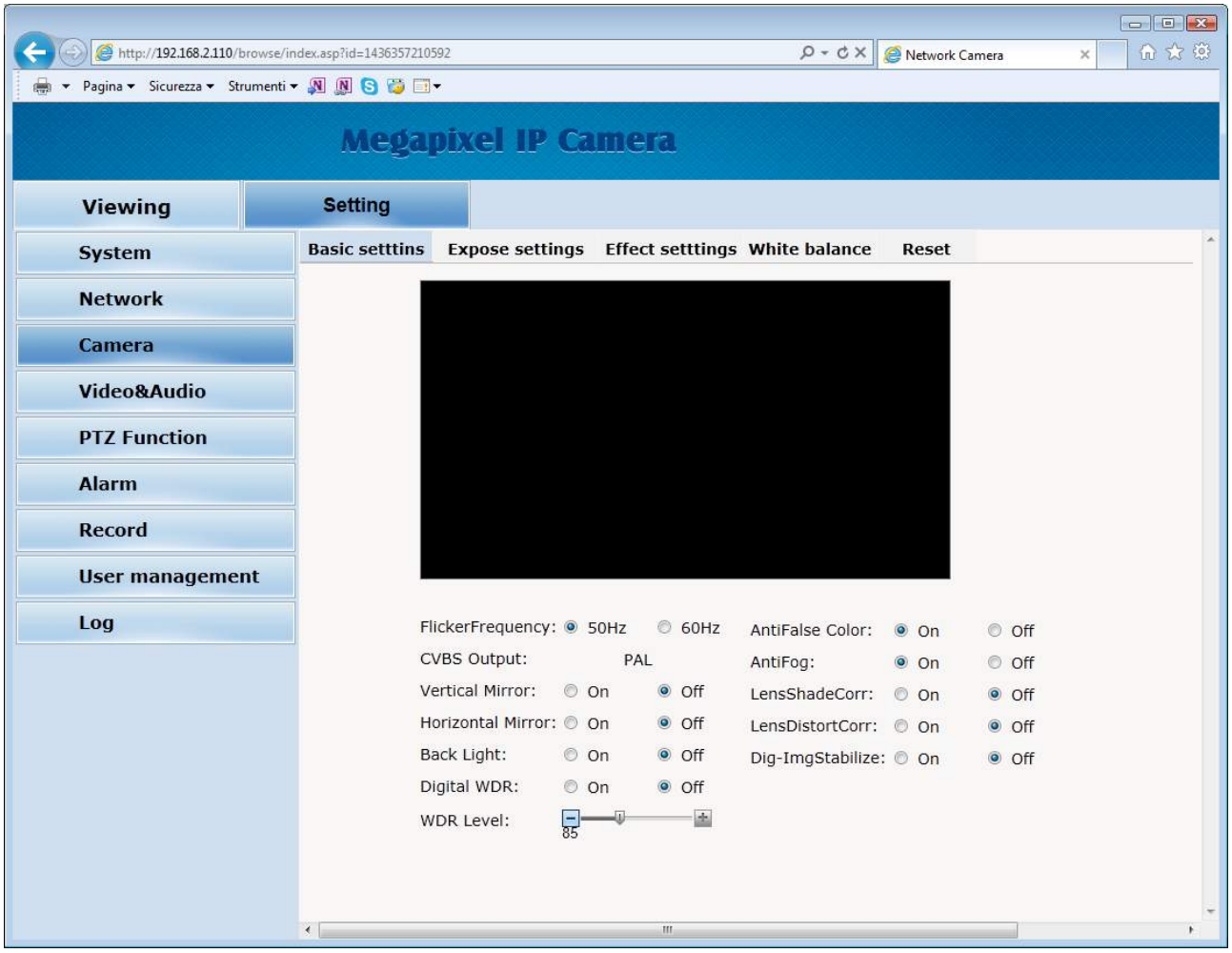
NAME / PASSWORD - Enter the access data from the provider

DOMAIN - DDNS domain name provided by your ISP



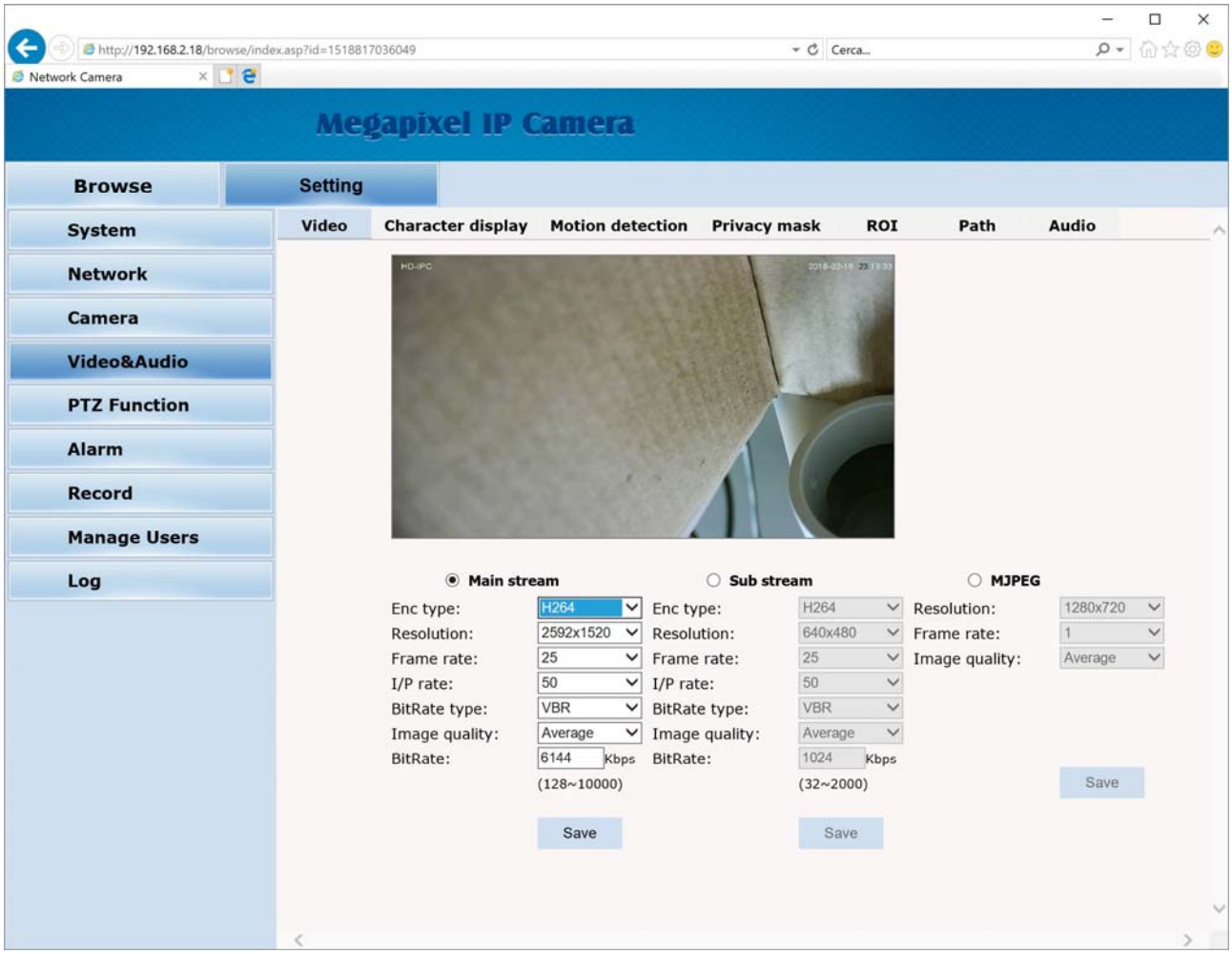
Folder **CLOUDLENS and CLOUDLENS2** It allows you to enable cloud services coupled to the camera allowing quick connection via the web and the use of which has been explained above. It 'also the camera identifier indicated for use in the application CloudLens and alternatively the QRCode to be scanned.

ROOM



The CAMERA page, with its various tables, including the configuration parameters of the module camera with the usual image adjustment items.

VIDEO AUDIO



VIDEO - In this section you set the feature of the camera video stream. The camera manages 3 stream: MAIN STREAM (main stream), SUB STREAM (secondary stream) and MJPEG STREAM (MJPEG stream with static compression). Since connected client you can define which stream to use.

ENC TYPE - Choose the compression used: H265 to H264 or minimum bandwidth for maximum compatibility with all devices.

RESOLUTION - The video resolution is adjustable from 1280x720 to 2592x1520.

FRAME RATE - It 's the number of frames per second that make up the video stream (max. 25). Consider that 25 f / sec corresponds to the so-called real-time ie the television standard in which the human eye does not perceive the individual frames but a single uninterrupted sequence. Generally

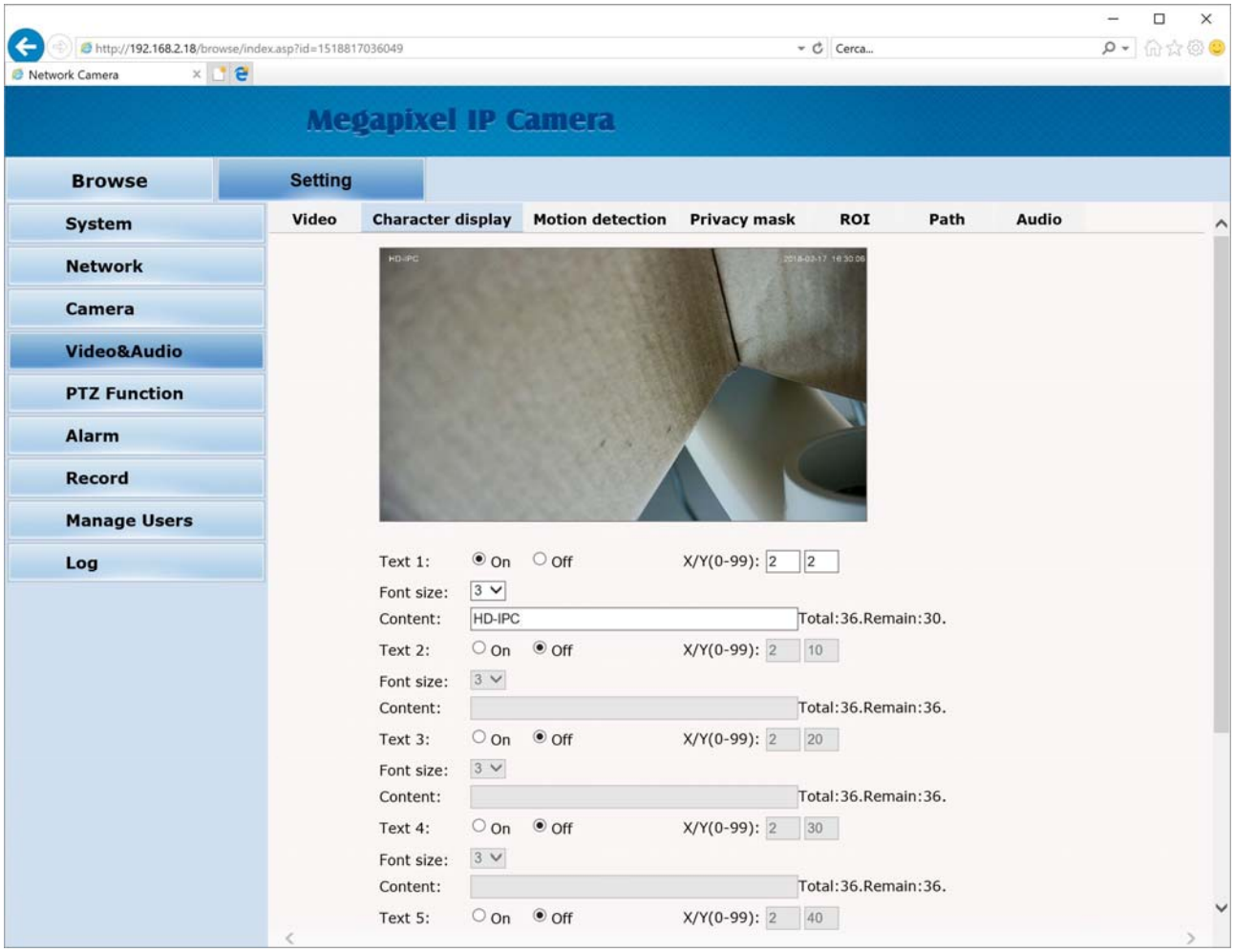
You can reduce this parameter up to 10/12 f / sec without perceiving large video fluidity differences and thus saving a lot of bandwidth.

I / P RATE - The relationship between the frame and P frames in the video stream. The higher the ratio, the lower the bandwidth required.

BIT RATE TYPE It gives the possibility to choose between two different bandwidth management mode occupied: CONSTANT BIT RATE (CBR) and VARIABLE BIT RATE (VBR).

In CBR mode, the camera maintains a constant bit rate that can be set in the box below. In the VBR mode instead of changing the bit rate camera in different operating conditions in order to maintain a constant video quality. If you choose VBR you can then set the video quality you want to keep.

BITRATE - Represents the maximum bandwidth that the camera will be able to deal with its video streaming. As a rule should not exceed 8000 Kbps



The CHARACTER DISPLAY table allows to define the overlays in the image

TEXT 1-5 - E 'can define up to five titles to bring up an overlay. And 'possible to edit the content and location. In FONT SIZE box you define the font size.

MULTIPLE - E 'can bring up an overlay zoom level

DATE & TIME - E 'can bring up an overlay Time and Date

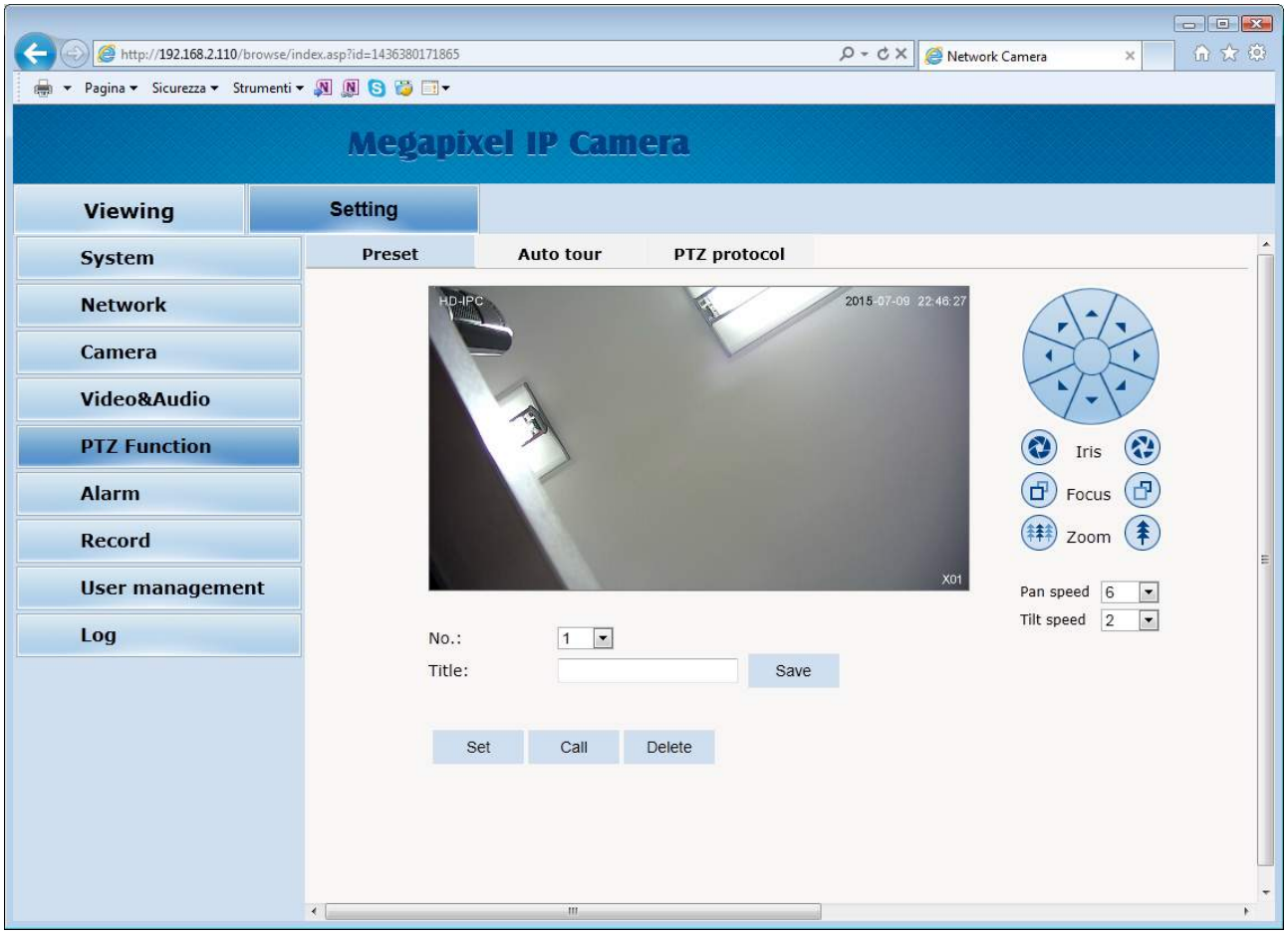
MOTION / PRIVACY / ROI - Can not be used on these motorized cameras

PATH - Defines the storage location of the video files are recorded in the local disk and snapshot. E 'you can also vary the save format.

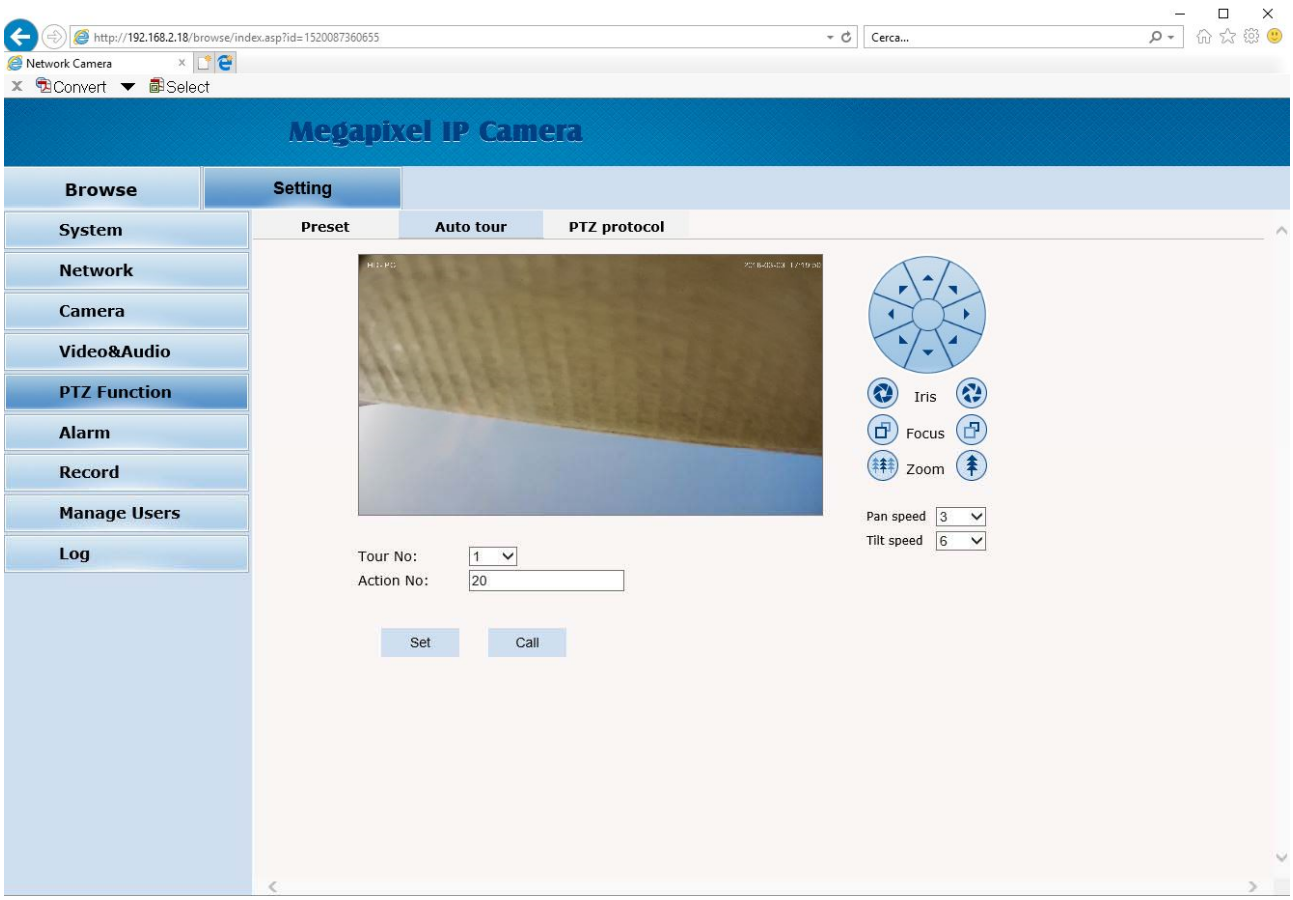
AUDIO - Not available on these models

PTZ FUNCTION

In this section you set the camera's automatic movements



PRESET - The presets are preset camera positions characterized by a precise value of X / Y coordinates, zoom and focus. You can easily call if necessary. You can define up to 255 presets. To define a preset position the camera by using the controls on the right, choose the preset number and click September E 'you can also be assigned to the preset a name. To recall the preset, select the number and click CALL. To delete a preset, select the number and press DELETE.



TOUR - Also commonly called CRUISE. It means the automatic movement of the camera between presets with a residence time on each of them programmable. The camera has a TOUR sequence between the preset 1 and 16, is invoked with the system 20. Any preset preset not set in the tour are ignored.

On this page, you do not set the sequence of the tour, which is already set at the factory preset between 1 and 16, but what action to take when the command is actuated TOUR 1,2,3,4 in the live view window. E 'can enter any system presets among those available (see above PRESET SYSTEM).

For example, if Tour2 selections, Action No 31 and press SET, you do so by calling the Tour2 command in the browser to start automatically PATTERN 1.

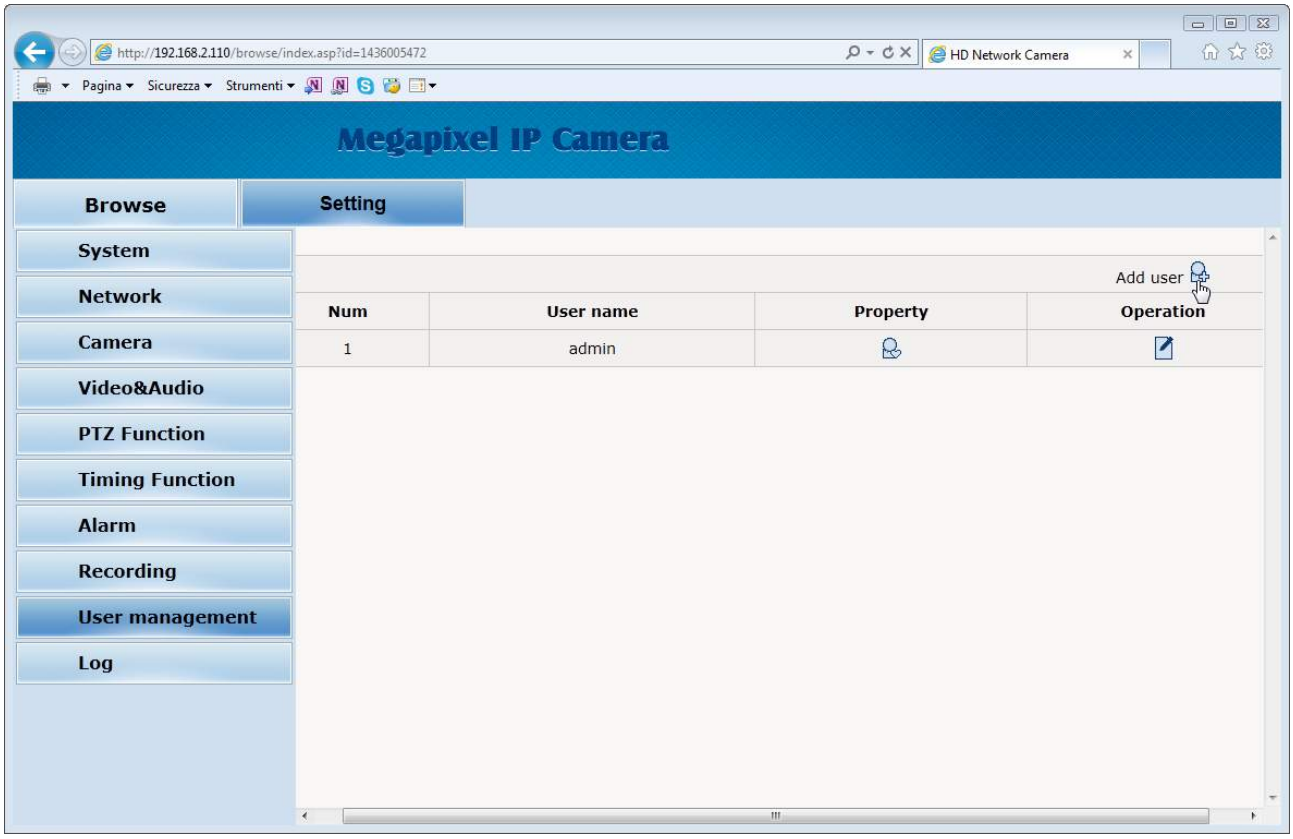
PTZ PROTOCOL - Not used on these models

ALARM / RECORD

Functions not available on these models

MANAGE USERS

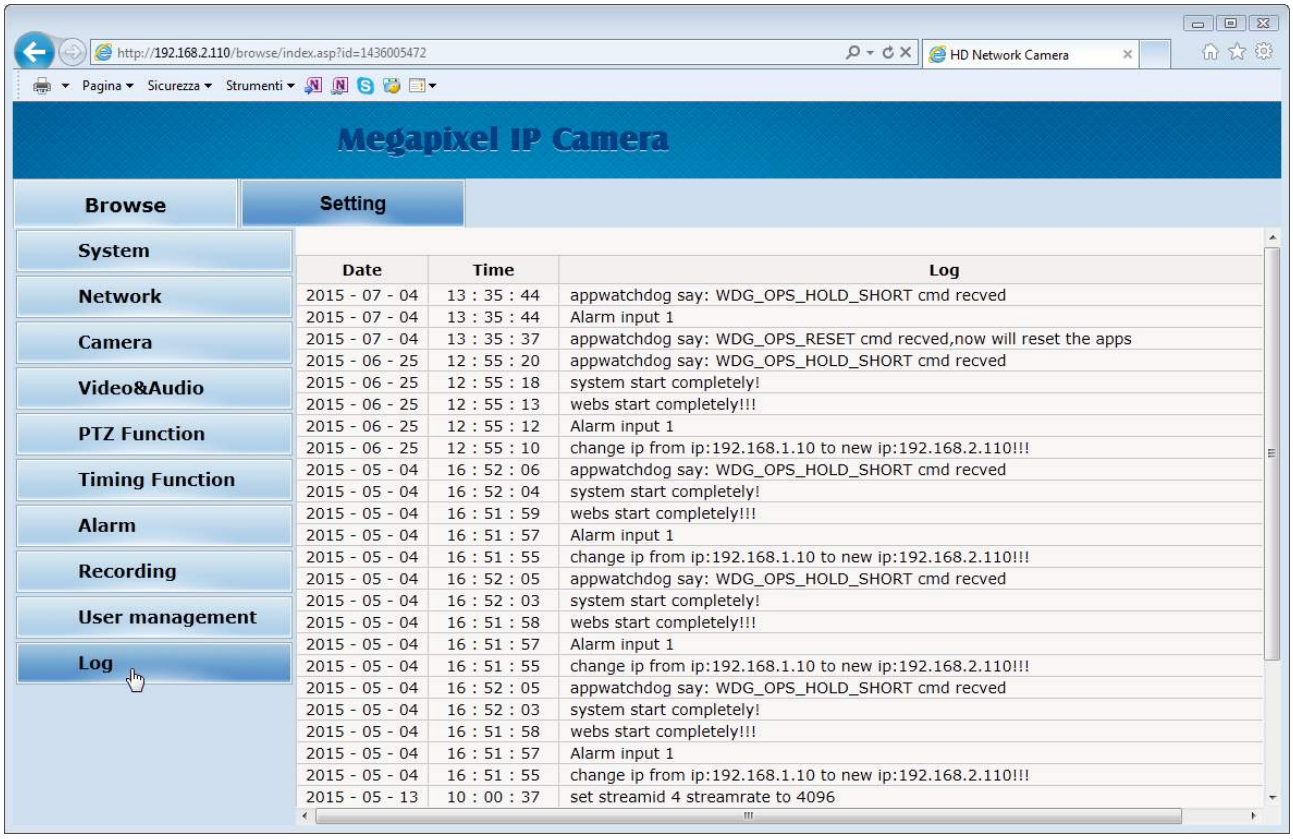
On this page you can create new users that can access the camera



USER Press ADD to add a new user with your USER NAME and PASSWORD

LOG

On this page you can read the contents of the memory of the camera events



Date	Time	Log
2015 - 07 - 04	13 : 35 : 44	appwatchdog say: WDG_OPS_HOLD_SHORT cmd recved
2015 - 07 - 04	13 : 35 : 44	Alarm input 1
2015 - 07 - 04	13 : 35 : 37	appwatchdog say: WDG_OPS_RESET cmd recved,now will reset the apps
2015 - 06 - 25	12 : 55 : 20	appwatchdog say: WDG_OPS_HOLD_SHORT cmd recved
2015 - 06 - 25	12 : 55 : 18	system start completely!
2015 - 06 - 25	12 : 55 : 13	webs start completely!!!
2015 - 06 - 25	12 : 55 : 12	Alarm input 1
2015 - 06 - 25	12 : 55 : 10	change ip from ip:192.168.1.10 to new ip:192.168.2.110!!!
2015 - 05 - 04	16 : 52 : 06	appwatchdog say: WDG_OPS_HOLD_SHORT cmd recved
2015 - 05 - 04	16 : 52 : 04	system start completely!
2015 - 05 - 04	16 : 51 : 59	webs start completely!!!
2015 - 05 - 04	16 : 51 : 57	Alarm input 1
2015 - 05 - 04	16 : 51 : 55	change ip from ip:192.168.1.10 to new ip:192.168.2.110!!!
2015 - 05 - 04	16 : 52 : 05	appwatchdog say: WDG_OPS_HOLD_SHORT cmd recved
2015 - 05 - 04	16 : 52 : 03	system start completely!
2015 - 05 - 04	16 : 51 : 58	webs start completely!!!
2015 - 05 - 04	16 : 51 : 57	Alarm input 1
2015 - 05 - 04	16 : 51 : 55	change ip from ip:192.168.1.10 to new ip:192.168.2.110!!!
2015 - 05 - 04	16 : 52 : 05	appwatchdog say: WDG_OPS_HOLD_SHORT cmd recved
2015 - 05 - 04	16 : 52 : 03	system start completely!
2015 - 05 - 04	16 : 51 : 58	webs start completely!!!
2015 - 05 - 04	16 : 51 : 57	Alarm input 1
2015 - 05 - 04	16 : 51 : 55	change ip from ip:192.168.1.10 to new ip:192.168.2.110!!!
2015 - 05 - 13	10 : 00 : 37	set streamid 4 streamrate to 4096