Stainless Steel Series Network Camera

2MP / 3MP / 4MP

User's Manual





EDN288MS / EDN368MS / EDN468MS

EZN288MS / EZN368MS / EZN468MS



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About this document

All the safety and operating instructions should be read and followed before the unit is operated. This manual should be retained for future reference. The information in this manual was current when published. The manufacturer reserves the right to revise and improve its products. All specifications are therefore subject to change without notice.

Regulatory Notices

FCC Notice "Declaration of Conformity Information"

This equipment has been tested and found to comply with the limits for a Class

A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications made to this equipment, not expressly approved by EverFocus or parties authorized by EverFocus could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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Value IP Series camera complies with CE and FCC.

Precautions

Do not install the camera near electric or magnetic fields.

Install the camera away from TV/radio transmitters, magnets, electric motors, transformers and audio speakers since the electromagnetic fields generated from these devices may distort the video image or otherwise interfere with camera operation.

Never disassemble the camera beyond the recommendations in this manual nor introduce materials other than those recommended herein.

Improper disassembly or introduction of corrosive materials may result in equipment failure or other damage.

Try to avoid facing the camera toward the sun.

In some circumstances, direct sunlight may cause permanent damage to the sensor and/or internal circuits, as well as creating unbalanced illumination beyond the capability of the camera to compensate.

1. Keep the power cord away from water and other liquids and never touch the power cord with wet hands.

Touching a wet power cord with your hands or touching the power cord with wet hands may result in electric shock.

2. Never install the camera in areas exposed to oil, gas or solvents.

Oil, gas or solvents may result in equipment failure, electric shock or, in extreme cases, fire.

3. Cleaning

For cameras with interchangeable lenses, do not touch the surface of the sensor directly with the hands. Use lens tissue or a cotton tipped applicator and ethanol to clean the sensor and the camera lens. Use a damp soft cloth to remove any dirt from the camera body. Please do not use complex solvents, corrosive or abrasive agents for cleaning of any part of the camera.

4. Do not operate the camera beyond the specified temperature, humidity or power source ratings. Use the camera at temperatures within -20°C ~ 50°C / -4°F ~ 122°F, and humidity between 0% and 90%; this device is not rated as submersible. The input power source is 12VDC / PoE. Be sure to connect the proper + / - polarity and voltage, as incorrect polarity or too high a voltage will likely cause the camera to fail, and such damage is not covered by the warranty. The use of properly fused or Class 3 power limited type supplies is highly recommended.

5. Mounting

Use care in selecting a solid mounting surface which will support the weight of the camera plus any wind, snow, ice or other loading, and securely attach the camera to the mounting surface using screws and anchors which will properly support the camera. If necessary (e.g. when mounting to drop ceilings) use a safety wire to provide additional support for the camera.

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1. Introduction

The marine-grade (AISI 316) stainless steel network cameras come with two types, Dome and Bullet, providing resolution up to 4-megapixel (2592 x 1520). The stainless steel series supports dual streams from H.265 and H.264 video compression formats.

Featured with a motorized zoom lens, the series can provide the desired field of view with superior video quality in precise focus. Equipped with a weather-proof (IP66) and vandal resistance (IK10) housing, the series meets a wide variety of needs for outdoor surveillance. Except 12VDC power supply, the series also supports Power over Ethernet (IEEE 802.3af), which eliminates the need for power cables and thus reduce the installation costs.

The stainless steel series conforms to ONVIF for compatibility with other network video devices. You can also use EverFocus Mobile applications to remotely view the live views of the cameras through your iOS or android handheld devices; or use EverFocus CMS to remotely manage multiple IP devices connected on the network.

Stainless Steel Series Models

Туре	Model	Lens	Megapixel	Storage	IR LED / Range	IP68 &IK10
	EDN288MS	Motorized	2MP	Micro SD/SDHC/SDXC		Supported
Dome	EDN368MS		3MP		12 Units,	
	EDN468MS	2.0 12.0	4MP		Somy Som.	
	EZN288MS	Motorized	2MP	Micro SD/SDHC/SDXC	3 Units (high	Supported
Bullet	EZN368MS		3MP		power),	
	EZN468MS	2.0 1211111	4MP		30m / 98ft.	

Minimum System Requirement

Before installing, please check that your computer meets the following system requirements.

- Operating System: Microsoft Windows XP / Vista (32-bit) / 7 (32-bit)
- Microsoft Internet Explorer 11 or later, Chrome (Windows version 44 and earlier), Firefox version 50 and earlier, EverFocus Browser

Note: For using the Internet Explorer, some settings are required. Please refer to <u>5.2 Settings for</u> <u>Microsoft Internet Explorer</u>.



1.1 Packing List

Please check that there is no missing item in the package before installing.

Item	EDN Series	EZN Series
Camera	x 1	x 1
MAC Address Sticker	x 2	x 1
Screw + Screw Anchor	x 3	x 4
Hexagon Wrench	x 1	x 1
Mounting Sticker	x 1	x 1
Cable Gland Kit	x 1	x 1
Power Pigtail Cable	x 1	x 1
Desiccant Bag	x 1	-
Software CD + QIG	x 1	x 1

Note:

1. Equipment configurations and supplied accessories vary by country. Please consult your local EverFocus office or agents for more information. Please also keep the shipping carton for possible future use.

2. Contact the shipper if any items appear to have been damaged in the shipping process.

1.2 Optional Accessory

You can go to the product page on EverFocus' website to check the related optional accessories.

www.everfocus.com.tw

2 Features

- 4M CMOS sensor
- Marine Grade Stainless Steel (AISI 316) can withstand harsh and corrosive environment
- Motorized 2.8-12mm lens to capture the desired field of view
- Provides Digital Wide Dynamic Range function
- Provides True Day/Night with automatic IR filter operation
- Extended IR range of up to 30m / 98ft. (Depending on the IR reflectivity in the actual scene)
- Supports dual streams of H.265 and H.264
- Supports Motion Detection and Email Notification
- Equipped with weather proof (IP68) and vandal resistance (IK10) housing
- Flexible viewing angle with 3-Axis design allows wall or ceiling mounting (for EDN models only)
- Supports live monitoring for mobile devices via MobileFocus App (iOS and Android)
- Supports Power over Ethernet / 12VDC
- ONVIF profile S compliant
- Supports Micro SD card (up to 128GB)

3 Physical Description



EDN288MS / EDN368MS / EDN468MS

EZN288MS / EZN368MS / EZN468MS

No.	Item Name	Descriptions
1	Light Sensor	Detects lights.
2		EDN Series: 12 IR LEDs for infrared illumination in night vision applications.
Z	IR LEDS	EZN Series: 3 high power IR LEDs for infrared illumination in night vision applications.
3	Lens	Motorized 2.8~12mm lens.
4	Video Output	CVBS output for connecting to a monitor to adjust camera viewing angle.
5	Reset Button	Press the button to restore the camera to factory default. Note that the EZN models also features a Reset Button on the cable (refer to <i>3.2 Cables</i>).
6	SD Card Slot	Insert a micro SD/SDHC/SDXC card (up to 128GB) for recording.

3.1 Dimensions

EZN288MS / EZN368MS / EZN468MS:





EDN288MS / EDN368MS / EDN468MS:





3.2 Cables

The cables provide connections for connecting to the Network and Power. You can also power up the camera through PoE. The Reset Button cable is only available for EZN models.



3.3 SD Card Slot and Reset Button

You can use the SD Card and the Reset Button to:

SD Card Slot:

Optionally insert a micro SD card to the card slot for recording videos. Before inserting a micro SD card, make sure you turn off the camera first.

Note: This IP Camera supports micro SD/SDHC/SDXC card up to 128GB. You can go to the **Download** page on the product website to find the Storage Compatibility Table for viewing the tested SD cards. Please visit EverFocus' Website <u>www.everfocus.com.tw</u>

Reset Button:

- 1. <u>Reboot the camera</u>: When the camera is powered up, press the **Reset Button** will reboot the camera.
- 2. <u>Restore the camera</u>: Keep the **Reset Button** pressed, at the same time unplug the camera power then plug it back again will return camera settings to the factory default values.

EDN288MS / EDN368MS / EDN468MS:

To find the **SD Card Slot** and the **Reset Button** on the camera module, remove the camera cover using the supplied Hexagon Wrench. After inserting the SD card, be sure to place the supplied **Desiccant Bag** inside the module and then tightly screw back the camera cover.



EZN288MS / EZN368MS / EZN468MS:

To find the **SD Card Slot** on the camera module, use the supplied Hexagon Wrench to unscrew the 4 screws on the rear side of the camera and then slowly pull out the camera module. After inserting the SD card, place a Desiccant Bag inside the module, put the module back to the housing and then tightly screw back the module. The **Reset Button** is on the cable.

Note: There is already a Desiccant Bag placed inside the camera module before shipping. It's recommended for users to prepare a Desiccant Bag and place it inside the camera module every time when you pulled out the camera module from the housing.





4 Installation

Please refer to the steps below to mount the IP cameras.

EDN288MS / EDN368MS / EDN468MS:

 Before screwing the camera to the wall/ceiling, stick the Mounting Sticker on the wall/ceiling to mark the position for installation. Drill three screw holes on the wall/ceiling according to the Mounting Sticker. Push the supplied 3 Screw Anchors into the holes on the wall/ceiling. Drill another hole in the middle only if you want to run the cables through the wall/ceiling.



Drill a hole only if you want to run the cables through the wall/ceiling.

2. Unscrew the 3 screws using the supplied **Hexagon Wrench** and then remove the camera cover. Optionally insert a micro SD/SDHC/SDXC card into the card slot.



3. Place the camera base against the anchoring surface so that the holes line up. Screw the camera base to the ceiling/wall by using the supplied 3 **Screws**.



- 4. Connect a LAN/PoE cable to the camera.
 - a. Remove the Screw Cap from the Cable Gland.



b. Insert a RJ-45 network cable (without the RJ-45 connector on the one end) through the supplied **Waterproof Ring**, **Cable Gland**, **Stopper** and **Screw Cap** accordingly.



c. Connect the RJ-45 cable to the LAN/PoE Cable of the camera.



d. Tightly screw the **Cable Gland** and **Screw Cap** to the Rugged RJ-45 Connector Cable.



e. Crimp the RJ-45 connector onto the RJ-45 network cable. Note that the wires should be placed into the RJ-45 connector based on the following order (from left to right).

Orange with white stripe Orange Green with white stripe Blue Blue with white stripe Green Brown with white stripe Brown



5. If you are not powering the IP camera through PoE, you can connect the camera to a 12VDC power source using the supplied **Power Pigtail Cable** or using a power adapter.



6. Connect a monitor to the **Video Output** on the IP camera to access camera live view while adjusting camera angles. To access camera live view, please refer to *5. Accessing the Camera*.



To adjust camera angles:

Pan Adjustment: Simply turn left / right of the 3-Axis bracket by 75° to the desired position.



Rotational Adjustment: Loosen the rotation screw and rotate the camera left / right to the desired position, then tighten the rotation screw. Due to the internal connector design, it is recommended not to rotate the camera more than 30°.





Tilt Adjustment: Loosen the two tilt screws on both side and adjust the angle up to 75° to the desired position, then tighten the tilt screws.



7. Place the supplied **Desiccant Bag**, tear down the **Protection Film** from the inside of the cover and then screw the camera cover back.



Note:

- Before start operating the IP camera, please ensure the camera date and time are correct. To configure the camera date/time, go to System > Date/Time setting page on Web UI.
- 2. By default, the system will automatically adjust the IR LED strength according to the scene, so please avoid IR reflection when installing the camera to prevent out-of-focus at night.
- 3. Under **Auto** focus mode, if the camera does not focus after switching the Day/Night mode, it is recommended to switch the focus mode to **Manual** and adjust focus manually.

EZN288MS / EZN368MS / EZN468MS:

- 1. Optionally screw the sunshield to the camera (please refer to 1.2 Optional Accessory.
- 2. Optionally insert a micro SD/SDHC/SDXC card into the card slot. Please refer to 3. SD Card Slot and Reset Button.
- 3. Before screwing the camera to the wall/ceiling, stick the Mounting Sticker on the wall/ceiling to mark the position for installation. Drill four screw holes on the wall/ceiling according to the supplied Mounting Sticker and push the supplied 4 Screw Anchors into the holes on the wall/ceiling. Drill another hole in the middle inside the area only if you want to run the cables through the wall/ceiling.



4. Place the camera's bracket against the anchoring surface so that the holes line up. Screw the camera to the wall/ceiling using the supplied 4 **Screws**.



- 5. Connect a LAN/PoE cable to the camera.
 - a. Remove the Screw Cap from the Cable Gland.



b. Insert a RJ-45 network cable (without the RJ-45 connector on the one end) through the supplied **Waterproof Ring, Cable Gland, Stopper** and **Screw Cap** accordingly.



c. Connect the RJ-45 cable to the LAN/PoE Cable of the camera.



d. Tightly screw the **Cable Gland** and **Screw Cap** to the Rugged RJ-45 Connector Cable.



e. Crimp the RJ-45 connector onto the RJ-45 network cable. Note that the wires should be placed into the RJ-45 connector based on the following order (from left to right).

Orange with white stripe Orange Green with white stripe Blue Blue with white stripe Green Brown with white stripe Brown



6. If you are not powering the IP camera through PoE, you can connect the camera to a 12VDC power source using the supplied **Power Pigtail Cable** or using a power adapter.



7. Access the camera live view while adjusting camera tilt angle. Loosen the screws to adjust the tilt angle. To access the camera live view, please refer to *5. Accessing the Camera*.



Note:

- Before start operating the IP camera, please ensure the camera date and time are correct. To configure the camera date/time, go to System > Date/Time setting page on Web UI.
- 2. By default, the system will automatically adjust the IR LED strength according to the scene, so please avoid IR reflection when installing the camera to prevent out-of-focus at night.
- 3. Under **Auto** focus mode, if the camera does not focus after switching the Day/Night mode, it is recommended to switch the focus mode to **Manual** and adjust focus manually.

5 Accessing the Camera

This section will instruct you how to access the Web interface of the camera for configuration.

5.1. Checking the Dynamic IP Address

You can look up the IP address and access the Web interface of the IP camera using the **IP Utility (IPU)** program, which is included in the software CD. The IP Utility can also be downloaded from EverFocus' Website: <u>http://www.everfocus.com.tw/product/ip-utility/</u>. Please connect the IP camera on the same LAN of your computer.

1. Save IP Utility Setup .exe in your computer. Double click the .exe file and follow the

on-screen instructions to install the IP Utility.



2. Click the **Finish** button, the IP Utility will be automatically launched to search the IP devices connected on the same LAN.

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File Edit View Tool	Help					
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Machine Name	Mac Address	Model	IP Address	IP Type	Port	Status 🔺
EZN468MS	00:5A:20:3E:80:55	EZN468MS	192.168.31.71	DHCP	80	
•		111				-

3. To access the Live View window, double click the IP address column of the desired device, the login window pops up. Type the user ID and password to log in. By default, the user ID is **user1** and the password is **11111111**



Stainless Steel 2MP/3MP/4MP Network Cameras

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 If you log in for the first time, follow the on-screen instructions to update the latest Plugin version (ePlayer). After reloading the webpage, the login window pops up again. Type the user ID and password to log in again. By default, the user ID is user1 and the password is 1111111



5. Now you are able to see the remote live page.

Note:

- 1. The "Download ePlayer Instruction" page will only be prompted for the first time login in order to update the system to the latest Plugin version.
- If the Error window appears, please be sure to close ALL the Web browser windows first and then click Retry. When the Completing the ePlayer Setup Wizard window shows up, click Finish. Then, you can open a new browser again to access the camera's remote Web interface.

or	Setup - ePlayer	
C:\Program Files (x86)\Everfocus\ePlayer\npEPlayerComponent.dll An error occurred while trying to replace the existing file: DeleteFile failed; code 5. Access is denied. Click Retry to try again, Ignore to skip this file (not recommended), or Abort to cancel installation.		Completing the ePlayer Setup Wizard Setup has finished installing ePlayer on your computer. Click Prinish to exit Setup.
Abort Retry Ignore		Finish

- 3. To enable Remote Live View, Firmware Upgrade and ActiveX Prompt on Internet Explorer, some settings have to be complete. Please refer to *5.2 Settings for Microsoft Internet Explorer* in the *User's Manual*.
- 4. The default IP mode of the IP camera is DHCP. However, if there is no dynamic IP address assigned to the device, its IP will switch to **192.168.0.10**

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- 6. To optionally configure the Machine Name, IP Address, IP Type or Port Number using the IPU:
 - a. Log in the device by checking the desired model and then click the **Log in** 📕 icon. The Log in

dialog box appears. D IP Utility V4.3.0_150528 Help File Edit View Tool 23 Log in Q Search \otimes Username user1 Machine Name Mac Address IP Туре Port Status Password **V** 0K Cancel ect devices. Right click to edit

b. Type the Username and Password and click **OK.** The **Status** column will display **Login**.

	Machine Name	Mac Address	Model	IP Address	IP Type	Port	Status
V	EZN468MS	00:11:14:12:30:A4	EZN468MS	<u>192.168.31.67</u>	DHCP	80	Login

Note:

- 1. The default user ID is **user1** and the default password is **1111111**
- 2. If you select more than one camera that has the same user ID / password, you will be able to log in several cameras at once.
- c. Right click the column to configure the setting. Click Apply Changes 🗹 button to apply and

save the settings.

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V	EZN468MS	00:11:14:12:30:A4	EZN468MS	<u>192.168.31.67</u>	DHCP	- 80		
•		·			DHCP	E E		
	Left click to select or unselect devic							

Note:

- 1. Most networks uses DHCP to assign IP address, if you are unsure of your network settings, please consult your network administrators for configuration details.
- 2. If you want to set up PPPoE, please refer to 7.1.1 Network in the User's Manual.



To set up a static IP:

By default, EverFocus' IP cameras are set up with DHCP. To change the IP setting to static IP, select **Static IP** from **IP Type** drop-down list and set up the desired IP Address, for example, 192.168.31.67.

Please also set up the Subnet Mask and Gateway. Click the **Apply Changes** button to apply and save the settings.

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File Edi	t View Tool Help		3			
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	Machine Name	Mac Address	Model	2 IP Address	IP Type	Port ^
Z EZN	1468MS	00:11:14:12:30:A4	EZN468MS	192.168.31.67	DHCP	- 80
•		III	·		DHCP	1
			Left click to se	lect or unselect dev	it Static IP	1

To show the Subnet Mask and Gateway items on the title bar, right click the title bar to display the **Customize Columns** window, select **Subnet Mask** and **Gateway** and then click **OK**.

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Machine Name	Mac Address	Model	IP Address	IP Type	Port	~
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Le Customize Columns	X	DN2260	192.168.31.221	Login required	80	
Le Please select the columns to she	ow and define their order	DN2160	192.168.0.97	Login required	80	
		TN2260	192.168.31.222	Login required	80	
Machine Name	<u>^</u>	J/A	192.168.31.98	DHCP	80	
E Madel	Up	AN7200	192.168.31.54	DHCP	80	Ξ
EI V IP Address		MX32	192.168.31.70	DHCP	80	
E E IP Type	Down	CORHD-4F-PLUS	192.168.31.110	DHCP	80	
E E Port	Salast All	CORHD-4F	192.168.31.78	DHCP	80	
X Status	Select All	IMS	192.168.31.214	Static IP	80	
X SubnetMask	Default	IMS	118.163.30.189	Static IP	80	
EI DNS1	-	PN4220	192.168.31.215	DHCP	80	
		DN3260	192.168.31.35	DHCP	80	
	<u> </u>	IMS	192.168.31.200	Static IP	2000	
OK OK	Cancel	IMS	192.168.0.201	Static IP	2000	
EZINDONU URETER	00:11:14:0F:51:ED	EZN3340	192.168.31.217	Static IP	80	-
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Model	IP Address	IР Туре	Port	Status	SubnetMask	Gateway	-
EZN468MS	<u>192.168.31.67</u>	DHCP	80	Login	255.255.255.0	192.168.31.254	
		[•
•							

5.2. Settings for Microsoft Internet Explorer

If you have difficulties viewing live view or upgrading firmware, it is suggested to complete the following settings of your computer.

 If your PC or laptop is running with Windows, it's required to run the browser as administrator when first entering the remote web page of the device. Go to C:\Program Files (x86)\Internet Explorer, right-click the browser and then click Run as administrator.

 Computer 	► Local Dis	k (C:) 🔸 Program File	s (x86) 🕨 Internet Explorer 🕨
🖬 Open	Burn	New folder	
	Name		Date modified
ada	🏉 iexple	Open	11/21/2010 1
laces	ieco	🚱 Run as administr	rator /1/2010 1

2. You may need to turn off the firewall and turn **User Account Control** off if you still can't see the Remote Live View.

To turn User Account Control off, on the computer, click Start > Control Panel > System and Security > Action Center (click Change User Account Control Settings), the User Account Control Settings window appears. Adjust the slide bar to Never Notify and then click OK. Restart your computer if requested.

😌 User Account Control Settings	
Choose when to be User Account Control he Tell me more about Use Always notify	e notified about changes to your computer lps prevent potentially harmful programs from making changes to your computer. Account Control settings
 Never notify	 Never notify me when: Programs try to install software or make changes to my computer I make changes to Windows settings Not recommended. Choose this only if you need to use programs that are not certified for Windows 7 because they do not support User Account Control.
	OK Cancel

5.3. Connecting the Camera to the Network

There are three methods to connect the IP camera to the network: **Router or LAN Connection**, **Direct High-Speed Connection** and **One-to-One Connection**.

Router or LAN connection

This is the most common connection in which the IP camera is connected to a router and allows multiple users on and off site to see the IP camera on a LAN / WAN (Internet). The camera must be assigned an IP address that is compatible with its LAN. By setting up port forwarding on the router, you can remotely access the cameras from outside of the LAN via the Internet. To remotely access the Web interface of the IP camera, please refer to <u>7.1.1 Network</u> (**DDNS Settings**). To set up port forwarding, please refer to <u>Appendix D. Setting up Port Forwarding Function</u>.





Direct High-Speed Connection

In a Direct High-Speed Connection, the camera connects directly to a modem without the need for a router. You need to set the static or dynamic WAN IP address assigned by your ISP (Internet Service Provider) in the camera's configuration web pages. To access the camera, just type "http://xxx.xxx.xxx.xxx", where xxx.xxx.xxx is the IP address given by your ISP. If you have a dynamic IP address, this connection may require that you use DDNS for a reliable connection. Please refer to <u>Appendix E. Setting up DDNS Function</u>.



One-to-One Connection (Directly from PC to IP Camera)

You can connect directly without using a switch, router or modem. However, only the PC connected to the camera will be able to view the IP camera. You will also have to manually assign a compatible IP address to both the computer and the IP camera. Unless the PC has another network connection, the IP camera will be the only network device visible to the PC. See the diagram below:





5.4. Live View Window



1. Home

Click the tab to display the Live View window. On the Live View Window, you can directly operate the zoom in / out by scrolling your mouse wheel over the image.

2. Streaming

Click the tab to display the Streaming quick setup panel. See 6.1 Streaming for more details.

3. Camera

Click the tab to display the Camera quick setup panel. See 6.2 Camera for more details.

4. Lens CTRL

Click the tab to display the Lens Control quick setup panel. See 6.3 Lens CTRL for more details.

5. System

Click the tab to enter the Settings page. See 7. System for more details.

6. Account

Click the sutton to display the Account panel. You can check the current log-in information, or

log out of the Web interface by clicking Logout. See 6.4 Account for more details.



7. Event signal icons

When an event is triggered, the alarm icon 🕕 at the top of the Live View window will turn red

and blink 🖖 to alert the user. Click the icon to view the alarm information. On the pop-up window,

click **Disarming / Arming** to stop / start prompting alarm information, click **Clear Alarm** to remove the current alarm information from the list.

Сњ	Event Type	Start Time	End Time
1	Motion Detected	2016-12-21 06:34:30	2016-12-21 06:34:35

8. Snapshot

Click the **Snapshot** button to take a snapshot, and the storage folder will pop up automatically. By default, the snapshot will be saved at C:\Program Files\Preview. To change the location, see **Live View Snapshot** in *7.1.10 Local Settings*.

9. Record

Click the **Record** button to start / stop recording the current video stream. By default, the recordings will be saved at C:\Program Files\REC. To change the location, see **Live View Recording** in *7.1.10 Local Settings*.

10. Two-way Audio

The Stainless Steel models do not support audio function.

Click the **Two-way Audio** buttons to switch the sound on / off for the speakers and microphones (if such external devices have been connected to the camera directly or via the network). To activate the Audio function, the **Complex Stream** must be selected. See **Stream** in 7.2.1.2 Stream *Settings*. Note that the camera provides the TRS line-in / out terminal I/O, therefore, TRS microphones / speakers with a (built-in) amplifier and external power supply are required.

11. Full Screen

Click to display the current camera stream in full screen. To exit full screen, right-click the mouse or press the **ESC** button on the keyboard. Under full screen mode, these icons on the top-right corner of the window help you quickly be alerted of motion events, turn the audio on/off and take snapshots.

When a motion event is triggered, the alarm icon will turn red 📓 to alert the user.

The Stainless Steel models do not support audio function. Click the **Audio** button to switch the sound on / off for the speakers (if such external devices have been connected to the camera directly or via the network).

Click the **Snapshot** button to take a snapshot.

6 Quick Setup Panel

On the Live View Window, click the Streaming, Camera or Lens CTRL tabs on the top will display the Quick

Setup Panel. You can click the > button to display the panel over the live view. Click the < button to fix the

panel on the right-side. Click the X button or the Close Control Panel button to close the panel.

6.1 Streaming

Click the Streaming tab to display the streaming quick setup panel.

►	>
Live View Stream	Main Stream 💌 🔷
Stream Info	
Alarm Info	
Live View Size	Full
Live View Mode	7
Camera Title	CH01
Show Camera	
Video Format	H264 🗸
Resolution	2560*1440 💌
Frame Rate	25(30) 🗸
Rate Control	CBR 💌
Quality	Highest 🐱
Bitrate (kbps)	7168
GOP	25 🗸
Clo	se Control Panel

Live View Stream: Select from Main Stream and Sub Stream.

Stream Info: Check to show the current bit-rate and frame rate on the top of the Live View window. **Alarm Info:** Check to show the current triggered alarm event on the top of the Live View window. **Live View Size:** Select the appropriate view size of the live view window.

Live View Mode: Slide the bar to set up the live stream performance between Real Time (smaller value) and Smooth way (larger value).

Camera Title: Type a name in the column to change the title. To display or refresh the title, check the **Show Camera** checkbox below.

Show Camera: Input a camera title in the **Camera Title** input box above and then check this checkbox to show the camera title.

Video Format: Select the encoding format – H.265 or H.264.

Resolution: Select a resolution for Live and Recording.

Frame Rate: Select from 1fps to Full Frame. The default frame rate is Full Frame.

Rate Control: Select **CBR** (Constant Bit Rate) or **VBR** (Variable Bit Rate), and set the values of whichever option you choose.

Quality: Select the desired front end devices video coding quality, from Lowest to Highest.

Bitrate (kbps): For CBR, Slide the bar to adjust the customized Constant Bit Rate. For VBR, Slide the bar to adjust the Variable Constant Bit Rate limit. GOP: Slide the bar to adjust the GOP (Group of pictures) level to adjust the frequency of generating I-frames per second.

6.2 Camera



Click the Camera tab to display the camera quick setup panel.

Brightness: Slide the bar to adjust brightness. Hue: Slide the bar to adjust hue. Saturation: Slide the bar to adjust saturation. **Contrast:** Slide the bar to adjust contrast. Sharpness: Slide the bar to adjust sharpness. **Default:** Click to return the above value to factory default. Color Mode: Select a color mode from Normal, Bright or Nature. The default color mode is Normal. Mirror: Select a mirror mode from OFF, Horizontal Mirror, Vertical Mirror or 90 / 180 / 270 degree Rotation (see 7.2.3 Image for more details). The default Mirror mode is OFF. Exposure Time: Select an exposure mode from auto or a shutter speed (from $1/25 \sim 1/10,000$ seconds). AGC: For Auto Exposure mode, you can further configure the AGC value. Select the Auto Gain Control level from Low to High (see 7.2.2 Camera for more details). The default AGC level is Mid-High. TWDR: There are four value options: Close, Low, Mid

TWDR: There are four value options: Close, Low, Mid and High (see *7.2.2 Camera* for more details). The default TWDR mode is OFF.

6.3 Lens CTRL

Click the Lens CTRL tab to display the lens control quick setup panel.



Focus Mode: Select a focus mode from Auto, or Manual. For Manual, use the Focus Near / Focus Far buttons to adjust focus.

Speed: Use the slider to adjust the speed for Zoom and Focus.

Zoom In / Zoom Out: Use the buttons to adjust Zoom in or out.

Focus Near / Focus Far: Use the buttons to adjust Focus near or far.

Note:

- 1. By default, the system will automatically adjust the IR LED strength according to the scene, so please avoid IR reflection when installing the camera to prevent from the out-of-focus issue at night.
- 2. Under **Auto** focus mode, if the camera does not focus after switching the Day/Night mode, it is recommended to switch the focus mode to **Manual** and adjust focus manually.





7 System

Click the **System** tab on the Live View Window to enter the setting page. Click the item of the one you want to configure on the left-side menu to display the details.

EverFocus 🕒	Home	System	1
System Settings			
Network			
Date / Time			
Schedule Record			
System Information			
Display and Overlay			
System Maintenance			
System Information Model Name: EDN468MS			
User Device Type: IP Camera			
Serial Communication Firmware Version: V1.0.2_170621			
Local Settings Format 60Hz			
Camera Settings Save			
Streaming and Audio			
Camera			
Image			
Event Settings			
Event			
Notification			
Search and Play			
Playback			
File			
Log			



7.1. System Settings

7.1.1. Network

You can configure network-related settings, including IP, Multicast, DHCP, DDNS and Port on this page. Click the tab of the one you want to see.

7.1.1.1. IP Settings

EverFocus							0	Home	System	1
System Settings										
Network										
IP Settings										
Multicast Settings	IP Settings									
DDNS Settings					HTTP Port	80				
Date / Time					HTTPS Port	443				
Storage		IPV4 O			RTSP Port	554	_			
Display and Overlay		Static IP 🔘	DHCP O		DTMD Port	1025				
System Maintenance	IP Address:	192.168.31.54		-		1935				
System Information	Subnet Mask:	255.255.255.0		E	Davias Dat	5050				
User	Gateway:	192.168.31.254		-	Device Port.	0000				
Serial Communication	Primary DNS:	202.210.230.255		En	ADIE PPPOE:	_				
Local Settings	Secondary DNS:	202.210.255.255			User Name:		_	_	_	
	MAC:	5e:1c:fa:62:97:08			Password:				_	
Camera Settings				C	onfirm PWD:				_	
Streaming and Audio					PPPoE IP:	100.100.100.10	0			
Camera				Save						
Image										

Enter the IPv4 details in this area, which applies to your system.

IPV4: Click the radio to enable IPv4 (Internet Protocol version 4), and then enter the IPv4 details in this area.

Static IP: Click the radio to enable Static IP. You can manually set the Static IP address. This type of address is stable and cannot change, but the user has to make sure there are no address conflicts with other network-connected devices.

DHCP: Click the radio to enable DHCP. This setting lets the system use an automatically assigned (dynamic) IP address. This address can change under certain circumstances, such as when the camera's network switch / hub has to be rebooted. Do not assign to the DHCP server the same IP addresses used for the other network cameras and PCs with unique IP addresses.

IP Address: When DHCP is not used, the user needs to manually enter the IP address of the camera. Do not enter an IP address that is already used for your computer or other network cameras.

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Subnet Mask: This field is used to set the subnet mask for your network, so that the IP camera will be recognized within the network. Example: 255.255.255.0. When DHCP is selected, the DHCP server will assign this value automatically.

Gateway: This field is used to set the gateway for your network so that the IP camera will be recognized within the network. When DHCP is selected, the DHCP server will assign this value automatically.

Primary DNS: Enter the IP address of the DNS server if this is provided by an ISP.

Secondary DNS: If your ISP provided you with a secondary DNS address, please enter it here. **MAC:** The value of MAC address cannot be changed on this page, and are for reference only.

HTTP Port: Enter HTTP port numbers. The default port number is 80.

HTTPS Port: Enter HTTPS port numbers. The default port number is 443.

RTSP Port: Use domain name to access and login device need mapping RTSP. The default port number is 554.

RTMP Port: Use domain name to access and login device need mapping RTMP. The default port number is 1935.

Enable UPnP: Click the box to enable UPnP. Promoted by the UPnP Forum (Universal Plug and Play), the UPnP is a networking architecture providing compatibility among networked devices listed in the networked device table. Enable the UPnP function means you can directly connect the cameras listed in the networked device table by clicking on them.

Device Port: Enter device port numbers. The default port number is 5050.

Enable PPPoE: Click the box to enable PPPoE. This is a DSL-connection application. The ISP will ask the user to input a username and password. Contact your ISP for these details.
User Name: Enter the account's username for PPPoE.
Password: Enter the account's password for PPPoE.
Confirm PWD: Enter the password again to confirm it.
PPPoE IP: Enter the device's dynamic IP address.

After complete the settings, click **Save** to apply the changes.



7.1.1.2. Multicast Settings

Enable if required. Fill in the setting options for main stream / sub stream video and audio (Note: The Stainless Steel models do not support audio function). For more details, please refer to *Appendix B. Enabling the Multicast Function*.

EverFocus		Home	System	1
System Settings				
Network	Multicast Settings			
IP Settings	Enable Multicast			
Multicast Settings	Primary Stream Video			
DDNS Settings	IP address : 238.255.0.2			
Date/Time	Port. 28080			
Storage	TTI : 255			
Display and Overlay	Dick Okeans Midee			
System Maintenance	Sub Stream Video			
System Information	IP address : 238.255.0.3			
User	Port: 28084			
Serial Communication	TTL: 255			
Local Settings	Primary Stream Audio			
Camera Settings	IP address : 238.255.0.4			
Streaming and Audio	Port: 28088			
Camera				
Image				
Event Settings	Sub Stream Audio			
	IP address : 236.200.0.3			
Event	Port: 28082			
Notification	TTL: 255 0-255			
Search and Play	Save			
File				

Enable Multicast: Check the box to enable the Multicast function.

IP Address: Fill in the multicast IP address. IP addresses in the range of 224.0.0.0 through

239.255.255.255 are reserved for multicasting. For devices, you can use 225.x.x.x - 232.x.x.x and 234.x.x.x - 238.x.x.x.

Port: Change the port number if necessary.

TTL: Input a Time-To-Live (TTL) value. The TTL value specifies the number of routers (hops) that multicast traffic is permitted to pass through before expiring on the network.

After complete the settings, click **Save** to apply the changes.



7.1.1.3. DDNS Settings

EverFocus		🕒 Home	System	1
System Settings				
Network				
IP Settings				
Multicast Settings	DDNS Settings			
DDNS Settings				
Date / Time				
Date / Time Settings	Server Type: 3322			
NTP Settings	Server Name: members.3322.org			
Storage	Port. 80			
Display and Overlay	User Name:			
System Maintenance	Password:			
System Information	Confirm PWD:			
User	Domain:			
Serial Communication				
Local Settings	Save			
Camera Settings				

DDNS (Dynamic Domain Name System) is a service used to map a domain name to the dynamic IP address of a network device. You can set up the DDNS service for remote access to the IP camera. DDNS assigns a domain name (URL) to the IP camera, so that the user does not need to go through the trouble of checking if the IP address assigned by DHCP Server has changed. Once the IP is changed, the IP camera will automatically update the information to the DDNS to ensure it is always available for remote access. For setting up the DDNS function, please refer to <u>Appendix E. Setting up DDNS Function</u>.

Before enabling the following DDNS function, user should have applied for a host name from the DDS service provider's website. We support these DDNS server providers: www.everfocusddns.com, members.dyndns.org, ddns.oray.org, dynupdate.no-ip.com, members.3322.org and www.dnsdynamic.org

Note: We highly recommend that you use **xxxx.everfocusddns.com** for the simplicity of setting up your IP cameras.

Enable DDNS: Check the box to enable DDNS function.

Service: You can either apply for a host name from **EverFocus** or other DDNS server providers (**Dyndns**, **PeanutHull**, **NO-IP**, **3322** and **DnsDynamic**). If you choose the EverFocus DDNS server, you can obtain a free host name from EverFocus.

From EverFocus: To obtain a free host name from EverFocus, type a desired host name in the **Domain** field (there is no need to enter username / password).

From other DDNS server providers: To obtain a domain name from one of the three DDNS server providers, you have to register your name with the provider first, and then select the provider and fill in the required information. Please refer to the specific DDNS company's website for further information.

Server Name: The server name of the DDNS provider. For example, *www.everfocusddns.com*. You can modify the server name if required.

Port: Enter the port numbers. The default port number is 80.

User Name / Password: Type the login account of your DDNS server provider. Type the password again in the **Confirm PWD** field.

Domain: Type the registered domain name from the DDNS server provider.

After complete the settings, click **Save** to apply the changes.

Note:

- In order to support the full functionality of the camera, you must open the port numbers (80, 554, 443) on the router for remote access to the IP camera. This function is available on most routers in the market and is often known as "Port Forwarding". To set up Port Forwarding, please consult the manual of the router.
- 2. In certain router models, it is possible that you will not be able to access the camera using DDNS while inside the router's network. Please try using a PC located outside of your router's network.

Default Ports on All EverFocus IP Cameras:

HTTP: 80 RTSP: 554 HTTPS: 443


7.1.2. Date / Time

You can set up the system's time, NTP server and DST. Click the item of the one you want to configure.

Note: Before start operating the IP camera, please make sure the camera date and time are correct.

7.1.2.1. Date/Time Settings

	•	Home	System	1
System Settings				
Network				
Date / Time				
Date / Time Settings	Date / Time Settings			
NTP Settings				
DST Setting	Device Time: 2017-11-16 3:25:8 Apply PC			
Schedule Record	Time Format: YYYY-MM-DD HH:MM:SS			
Storage Display and Overlay	Save			
Storage Display and Overlay	Save			

Device Time: Display the device current time. You can manually set up and click **Apply** to save the time setting. Click **PC** to automatically adjust the camera's time by synchronizing with the PC.

After complete the settings, click **Save** to apply the changes.

7.1.2.2. NTP Settings

		0	Home	System	1
System Settings					
Network					
Date / Time					
Date / Time Settings	NTP Settings				
NTP Settings					
DST Setting	✓ Enable				
Schedule Record	NTP Server Address : ntp0.nl.net				
Storage	NTP Port : 123				
Display and Overlay	Interval for Time Sync : 720 min	6			
System Maintenance	Select Time Zone : GMT+0:00 London, Morocco 💌				
System Information	GMT: 0 hour 0 min 🔳 Adjust				
User					
Serial Communication	Save				

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Enable: Check the box to enable NTP function.

NTP Server Address: Enter the Network Time Protocol server, if applicable. The camera's time will be automatically adjusted by synchronizing with the NTP server.

NTP Port: Enter the Network Time Protocol port. The default port number is 123.

Interval for Time Sync: Input the interval time for automatic time synchronization with NTP. **Select Time Zone:** Select the time zone of the camera's location.

GMT: Check the **Adjust** box to enable adjusting the offset and set the desired minute in the **min** field.

After complete the settings, click **Save** to apply the changes.

								0	Home	System	1
System Settings											
Network											
Date / Time											
Date / Time Settings	DST Setting										
NTP Settings											
DST Setting		Enable									
Schedule Record	From:	Jan	~	1week	×	Sun	×				
Storage		Ohour	~	Omin	×						
Display and Overlay	To:	Jan	*	1week	~	Sun	~				
System Maintenance		Ohour	~	0min	~						
System Information	DST Bias:	30 min					~				
User				0							
Serial Communication				Save							

7.1.2.3. DST Setting

Enable: Check the box to enable DST function.

From: Select the date and time when the region's daylight saving time to start.To: Select the date and time when the region's daylight saving time to end.DST Bias: Select a shift time for the DST function.

After complete the settings, click **Save** to apply the changes.

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7.1.3. Schedule Record

You can set up schedule record for the camera. This page will only appear when a micro SD card has been inserted to the card slot (please refer to *3.3 SD Card Slot and Reset Button*).

F	EverFocus										0	Home	System	1
ક	System Settings													
	Network													
	Date / Time	Schedule Rec	cord											
	Schedule Record													
	Storage	V Enal	able											
	Display and Overlay		Week M	on					~					
	System Maintenance		Week.											
	System Information	■ 1	Section1: 0	~	0	-	0	*	0 💊					
	User		Section2: 0	~	0	-	0	~	0 💊	1				
	Serial Communication			_		-								
	Local Settings		Section3: 0	×.	0	-	0	×.	0					
C	amera Settings		Section4: 0	~	0	¥ -	0	~	0					
	Streaming and Audio		Section5: 0	~	0	~ -	0	~	0					
	Camera		Section6: 0	~	0	- v	0	×.	0 .					
	Image		Soction7:		0		0		0					
E	vent Settings	_	Section?.		U		U							
			Section8: 0	~	0	-	0	\sim	0 `					
	Event	We	eek Copy	on					~					
	Motion Settings							_						
	Tamper Detection Settin				Sa	ave								

To set up a Record Schedule:

- 1. Check the **Enable** box to enable the Schedule Record function.
- 2. Select a day (Monday ~ Sunday) from the **Week** drop-down list to configure the schedule.
- 3. Set up schedules to active the Schedule Record function. Check the box of the desired section to configure the schedule, and select a start / end time from the drop-down list for the section.
- 4. You can optionally use the **Week Copy** function to copy the configurations and then apply to other days.
- 5. Click **Save** to save the settings.

Note: Before you insert or remove the SD card, please turn off the IP camera first.



7.1.4. Storage

You can check the SD Card utility or format the SD Card using this page.

F	EverFocus							0	Home	System	1
\$	System Settings										
	Network										
	Date / Time										
	Schedule Record	si	torac	18							
	Storage			1 0							
	Display and Overlay	In	ndex	Record Status	Capacity(MB)	Free Space(MB)	Status	Туре			
	System Maintenance		1	۲	1007	913	Normal	Local HDD			
	System Information		2	۲	13816	11334	Normal	Local HDD			
	User										
	Serial Communication				FO	mat					

If a micro SD card has been inserted to the micro SD card slot of the camera, the micro SD card information will be displayed in this field, such as capacity, available free space and record status. To format the card, click the **Format** button and all data saved on the micro SD card will be removed

Note: Before you insert or remove the SD card, please turn off the IP camera first.

EverFocus

7.1.5. Display and Overlay

You can enable displaying camera information on the live view / backup images using this page.

		🚺 Home System 💄
System Settings		
Network Date / Time	Display and Overlay	
Schedule Record Storage Display and Overlay System Maintenance System Information User Serial Communication Local Settings	Camera Title: CH01 Main Stream OSD: Sub Stream OSD: Multi-line Text:	Show
Streaming and Audio Camera Image Event Settings	TimeFormat: 24-Hour 🔽 DateFormat: XXXX-XX-XX Year Month Day 💌	Image: OSD Camera Title: ↑ ↓ ← → Date & Time: ↑ ↓ ← → Multi-line Text: ↑ ↓ ← →

Camera Title: Check the **Show** box to enable the Camera Title function. Type a name in the column to change the title.

Main Stream OSD: Select the font size for main stream OSD.

Sub Stream OSD: Select the font size for sub stream OSD.

Multi-line Text: Enter the desired text in the input field, and check the **Show** box to display the text. **Time Format:** Check the **OSD** box to enable the Time Format function. Select the desired time format from the drop-down list.

Date Format: Check the **OSD** box to enable the Date Format function. Select the desired date format from the drop-down list.

Camera Title:	t	1	4	-
Date & Time:	t	1	-	-
Multi-line Text	1	4	4	\rightarrow

Camera Title: You can adjust the position of the title by the arrow buttons.

Date & Time: You can adjust the position of the date / time by the arrow buttons.

Multi-line Text: You can adjust the position of the Multi OSD by the arrow buttons.



7.1.6. System Maintenance

7.1.5.1. Upgrade Firmware

EverFocus	🚺 Home System 💄
System Settings	
Network	
Date / Time	
Schedule Record	Upprade Firmware
Storage	
Display and Overlay	File: Browse No file selected.
System Maintenance	
Upgrade Firmware	Upload
Auto Reboot	
Restore	

Click the **Browse** button to find a previously prepared firmware upgrade file. Click the **Upload** button to install the new firmware. You can also upgrade firmware using IP Utility, see <u>8.</u> <u>Upgrading Firmware Using IP Utility</u>.

Note:

- 1. System updating should only be accomplished by trained staff.
- 2. Do not disconnect power to the IP camera during the upgrade sequence. The IP camera will reboot automatically after the upgrade has completed (1-5 minutes).



7.1.5.2. Auto Reboot

EverFocus		Home	System	1
System Settings				
Network				
Date / Time				
Schedule Record	Auto Reboot			
Storage				
Display and Overlay	Maintenance Mode: OFF			
System Maintenance				
Upgrade Firmware	Save			
Auto Reboot				
Restore				

Select OFF to disable the Auto Reboot function, or select an interval for the Auto Reboot function from Every Day, Every Week or One Time. The IP camera will automatically reboot at the specified time.

- **OFF:** The IP camera will not reboot automatically.
- Every Day: The IP camera will reboot automatically every day at the specified time (hh:mm).

Auto Reboot		
Maintenance Mode:	Every Day	V
Maintenance Time:	10:00	×
	Save	

• Every Week: On the selected day, the IP camera will reboot automatically at the specified time (hh:mm).



• **One Time:** The IP camera will reboot at the specified time (YYYY/MM/DD hh:mm:ss).

aintenance Mode:	One Time	~
aintenance Time:	2016/12/1 10:00:00	

After complete the settings, click **Save** to apply the changes.



7.1.5.3. Restore

EverFocus			0	Home	System	1
System Settings						
Network						
Date / Time						
Schedule Record	Restore					
Storage			_			
Display and Overlay		Cause Config				
System Maintenance		Save Coning				
Upgrade Firmware		Load Config				
Auto Reboot		Restore				
Restore		Reboot				
System Information						

Save Config: To make a backup file of the machine's current configurations, click this button to export all the configurations to a configuration file. This will enable the user to reload these configuration settings if the settings are changed and there is unexpected behavior.
Load Config: Click to import a previously prepared configuration file and then apply the parameters from the configuration file to the system.

Restore: This button should be used with caution. Clicking this button will return the selected camera settings to the factory default values.

Parameters	Z Account	Settings
Exception	🗹 Miscella	neous
OK	Orrest	
UK	Cancel	
	Parameters Exception OK	Parameters Z Account Exception Z Miscellar OK Cancel

Reboot: Click to reboot the IP camera without changing any of the settings. Use this function if the IP camera is not behaving as expected.

7.1.7. System Information

You can check the system information or set up NTSC / PAL on this page.

EverFocus				0	Home	System	1
System Settings							
Network							
Date / Time							
Schedule Record							
Storage	System	n Information					
Display and Overlay	D	Nice Name: EDN468MS					
System Maintenance							
System Information	M	odel Name: EDN468MS					
User	L L L L L L L L L L L L L L L L L L L	Device Type: IP Camera					
Serial Communication	Firmw	are Version: V1.0.2_170621					
Local Settings		Format: 60Hz	~				
Camera Settings			Save				

Device Name: If required, enter a desired name for the machine. This name will be visible in the Machine Name field of the IP Utility software.

IP Utility ¥4.3.3_170126							×
<u>File E</u> dit <u>V</u> iew <u>T</u> ool <u>H</u> elp							
	19 🔊 🗗	Port			Q Search	(8
Machine Name	Mac Address	Model	IP Address	ІР Туре	Port		^
EDN468MS	00:11:14:18:30:17	EDN468MS	<u>192.168.31.42</u>	DHCP	80	Login	
		;					~
<	Ш						>

Model Name: Display the model name of the camera. The values cannot be changed on this page. **Device Type:** Display the device type. The values cannot be changed on this page.

Firmware Version: Display the current software version. The values cannot be changed on this page. **Format:** Select NTSC (60Hz) or PAL (50Hz) for your local scanning system.

Note: Modifying the Format will cause the system to reboot automatically. Please create a new network connection to the IP camera when the reboot is complete.

After complete the settings, click **Save** to apply the changes.



7.1.8. User

The system administrator can create user accounts on this page.

				•	Home	System	1
System Settings							
Network							
Date / Time							
Schedule Record	User						
Storage							
Display and Overlay	User Name	User Group	Operation				
System Maintenance	user1	Admin	Modify Delete Authority				
System Information	guest	Guest	Modify Delete Authority				
User		Craata	lleor				
Serial Communication		Create	User				

To add a user account:

1. Click the **Create User** button and the following dialog box appears.

Create / Modify Use	r
User Name:	Password
Confirm PWD:	faxlenglir, 16
User Group:	Guest
	Save Cancel

- 2. Type the user name and password for the account. Type the password again in the **Confirm PWD** field.
- 3. Select an authority level for the user account from the **User Group** drop-down list. The default authority for each group is listed below. You can still configure the privileges for each account by clicking **Authority**.

Default Authority	Admin	Guest	Operator
Remote PTZ	Yes	-	Yes
Remotely Playback	Yes	Yes	Yes
Remote Parameter Setting	Yes	-	-
Remotely Query Log	Yes	Yes	Yes
Remotely Upgrade and Format	Yes	-	Yes
Remote 2-Way Audio	Yes	-	Yes
Remote Live View	Yes	Yes	Yes
Remotely Reboot	Yes	Yes	Yes

Note:

- 1. Multiple Guest / Operator account can be configured, but only one Admin account can be created for an IP camera.
- 2. The Stainless Steel models do not support the Audio function.
- 4. Click **Save** to add the user account.



To modify a user account:

1. Click the **Modify** button in the Operation column. The following dialog box appears.

Create / Modify Use	ar	
User Name:	test	1
Password:	• Maxtength:16	Password
Confirm PWD:	•]
User Group:	Guest	
	Save Cancel	

- 2. Edit the user name and password. Type the password again in the **Confirm PWD** field.
- 3. Edit the authority level for the user account from the User Group drop-down list.
- 4. Click **Save** to save all the settings.

To delete a user account:

1. Click the **Delete** button in the Operation column. The following dialog box appears. The following dialog box appears.



2. Click **OK** to delete the user account.

To set up privileges for a user account:

1. Click the **Authority** button in the Operation column. The following dialog box appears.

Remote PTZ	
Remotely Playback	Z
Remote Parameter Setting	Z
Remotely Query Log	
Remotely Upgrade and Format	
Remote 2-Way Audio	
Remote Live View	
Remotely Reboot	2

- 2. Check the box to grant the privileges to this user account. Note that the Stainless Steel models do not support the Audio function.
- 3. Click **Save** to save all the settings.

7.1.9. Serial Communication

The function is currently reserved.

EverFocus			•	Home	System	1
System Settings						
Network						
Date / Time						
Schedule Record						
Storage						
Display and Overlay						
System Maintenance	Senal Communication					
System Information	Protocol: palcoD					
User						
Serial Communication	Address: 1					
Local Settings	Baud Rate: 115200	∼				
Camera Settings		Save				

Protocol: Select a protocol from Pelco-D or Pelco-P.

Address: Enter the address from 0 to 255.

Baud Rate: This field is to set the speed at which is used to transmit instruction or information through the RS-485 port (reserved) on the video encoder. There are six different speeds, from 50 to 115200.

After complete the settings, click **Save** to apply the changes.

7.1.10. Local Settings

You can configure the storage path for storing the recordings / snapshot on your PC.



View Size: Select the appropriate view size of the live view window.

Live View Snapshot: Type the storage path for snapshots captured on the Home page (Live View window).

EverFocus

Playback Snapshot: Type the storage path for snapshots captured in the Playback page.
File Snapshot: Type the storage path for snapshots captured in the File page.
Backup file: Type the storage path for recording files backed up in the Playback page.
Live View Recording: Type the storage path for recordings recorded in the Home page (Live View window).

Recording Format: Currently only AVI is available.

Live View Mode: Slide the bar to set up the live stream performance between Real Time and Smooth way.

After complete the settings, click **Save** to apply the changes.

Note: The Playback related settings are only functional if the micro SD Card has been inserted in the camera's micro SD card slot.

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7.2. Camera Settings

You can configure camera related settings, such as video, audio, image and privacy mask.

7.2.1. Streaming and Audio

7.2.1.1. Audio Settings

EverFocus		0	Home	System	1
System Settings					
Network					
Date / Time					
Schedule Record	Auter Cottings				
Storage	Audio Settings				
Display and Overlay					
System Maintenance	Audio Source: Line-In	· · · · · · · · · · · · · · · · · · ·			
System Information	Input Volume: 50	(0~100)			
User	Output Volume: 50	(0~100)			
Serial Communication					
Local Settings		ave			
Camera Settings					
Streaming and Audio					
Audio Settings					
Stream Settings					

The Stainless Steel models do not support the Audio function.

The camera can transmit audio to your computer if you have connected an external line-in audio device to its audio Input. Select an audio source (currently only Line-in is available) then adjust the audio input / output volume. Note that the camera provides the line-in / out audio ports, therefore, microphones / speakers with an (built-in) amplifier and external power supply are required.

After complete the settings, click **Save** to apply the changes.



7.2.1.2. Stream Settings

EverFocus				🚺 Home System 👤
System Settings				
Network				
Date / Time				
Schedule Record	Stream Settings			
Storage				
Display and Overlay	Compress Type:	Main Stream (Normal)	~	
System Maintenance	Stream:	Complex Stream (Video & Audio)	~	TALE A CANADA
System Information	Decolution:	2560*1440		
User	Resolution.	2300 1440		
Serial Communication	Frame Rate:	25(30)	*	
Local Settings	Video Format	H264	~	
Camera Settings	H.264 Profile:	HighProfile	~	
Streaming and Audio	GOP:	25		
Audio Settings	Bitrate Type:	Constant	~	
Stream Settings	Bitrate:	7168Kbps 🛛 🖌 Kbps		
Privacy Mask Settings			Save	

Compress Type: Select from Main Stream or Sub Stream.

Stream: Select from Video Stream (video only) or Complex Stream (video & audio). Note that the Stainless Steel models do not support the Audio function.

Resolution: Select the most suitable resolution for your needs.

Frame Rate: Select from 1fps to Full Frame. The default frame rate is Full Frame.

Video Format: Select the encoding format – H.265 or H.264.

H264 Profile: Select the video coding level from Main Profile, Baseline or High Profile.

GOP: Enter the I-frame interval time from 2 to 255 to adjust the frequency of generating I-frames per second.

Bitrate Type: If required, select whether you want the stream to stream a **Constant** Bit Rate or a **Variable** Bit Rate, and set the values of whichever option you choose.

Bitrate: For **Constant** Bit Rate only. Select the desired Bit Rate from the drop-down list or enter a customized Constant Bit Rate (16 to 8000 kbit) in the **Kbps** field.

Max Bitrate: For **Variable** Bit Rate only. Select the desired Max Bit Rate from the drop-down list or enter a customized Max Bit Rate (16 to 8000 kbit) in the **Kbps** field.

Quality: For **Variable** Bit Rate only. Select the desired front end devices video coding quality, from Lowest to Highest.

After complete the settings, click **Save** to apply the changes.

Note: If you connect to the camera via the Internet and experience a delay (lag time) in the video feed, try to reduce the quality and resolution of the streams – but keep the frame rate at its maximum.

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7.2.1.3. Privacy Mask Settings

The Privacy Mask can block out sensitive areas from view, covering the areas with black boxes in both live view and recorded clips. This feature is useful when users' don't want the sensitive information visible. Up to four Privacy Masks can be configured.



To set up a Privacy Mask:

- 1. Check the **Enable** box to enable the Privacy Mask function.
- 2. In the **Area Settings** field, move the cursor to the position where you want the mask rectangle to start and then click it. Move the cursor to the position (diagonally opposing corner) where you want the mask rectangle to end and then click it.
- 3. You can remove the configured mask by clicking the **Clear** button.

After complete the settings, click **Save** to apply the settings.



.2.2. Camera				
EverFocus				🚺 Home System 🖌
System Settings				
Network				
Date / Time	Camera			
Schedule Record				
Storage	Day/Night Mode			
Display and Overlay	Mode: Auto (Light sensor)			8 9 6
System Maintenance	index, since (again the second		San La	A STATE OF A STATE OF
System Information	Switching time : 3	(0-30)		
User	Day to Night : 20	(0-255)		
Serial Communication	Night to Day: 35	(0-255)		
Local Settings	Light Board Control			
Camera Settings	Mode: Auto	✓		-
Streaming and Audio	Brightness: 100	(0-100)		
Camera	Advanced Settings		Aperture	
Image	TWDR : OFF	~	Lens: 🔍 Manual 🔍 S	Semiautomatic
Event Settings	2010		Gamma	
	SUNK: LOW		Gamma: Default	~
Event	Defog: OFF	~	Flickerless: OFF	~
Motion Settings	Slow Shutter: OFF	~		
Tamper Detection Settings	Exposure Settings			
Alarm Input	Mode: 오 Auto (AGC) 🔍 M	lanual		
Alarm Output	AGC: Mid-High	V		
Exception Settings	Shutter: 1/30(1/25)	~		
Notification		_		
Oceansh and Disc			Save	

Day/Night Mode

Mode: Select a mode from the drop-down list. The default Day/Night mode is Auto(Light sensor).

- Auto(Light sensor): Select to let the camera automatically switch to Day mode (color images) or Night mode (black and white images with IR LED on) based on the light sensor's detection on the light level.
- Auto(AGC): Select to let the camera automatically switch to Day mode (color images) or Night mode (black and white images with IR LED on) based on the AGC value of the current video image.
- **Color**: Select to keep the camera in Day mode (color images with IR LED off), even in nighttime.
- **Black White**: Select to keep the camera in Night mode (black and white images with IR LED on), even in daytime.

Switching Time: Select the transition duration a switching will take for **Auto(AGC)** Day/Night Mode, from 0 to 30 second(s). The default switching time is 3 seconds.

Day to Night: You can configure the sensitivity for **Auto(AGC)** Day/Night Mode ranging from 0-255. The camera will automatically switch from day mode to night mode based on the setup sensitivity. The default value is 20.

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Night to Day: You can configure the sensitivity for **Auto(AGC)** Day/Night Mode ranging from 0-255. The camera will automatically switch from night mode to day mode based on the setup sensitivity. The default value is 35.

Light Board Control

Mode: Select a mode (OFF, Manual, Auto) from the drop-down list. The default Light Board Control mode is OFF.

Brightness: You can configure the brightness for Manual Light Board Control Mode.

Advanced Settings

TWDR (True Wide Dynamic Range): The WDR function provides clearer images when both of the very bright and dark areas simultaneously appear on the camera view. There are four value options: OFF, Low, Mid and High. Note that when WDR is enabled, some parts of the image may appear solarized. This is normal for WDR, and is not a camera malfunction. The default TWDR mode is OFF.

3DNR (3D Noise Reduction): Noise Reduction limits the amount of digital "video noise" that is usually found in any video stream, and helps to reduce file size. There are five value options: OFF, Low, Mid, Mid-High and High. The default 3DNR mode is Low.

Defog: The Defog function makes the subject appear clearer when the surrounding area of the subject is foggy and low contrast. There are four value options: OFF, Low, Mid and High. The default defogging mode is OFF.

Slow Shutter: Select from OFF or ON.

Note: Modifying the TWDR mode will cause the system to reboot automatically. Please create a new network connection to the IP camera when the reboot is complete.

Exposure Control

Mode: Select a mode from Auto or Manual. The default Exposure mode is Auto.

- Auto(AGC): Selecting Auto for the camera to automatically adjust the Shutter based on the measured light level. You can further configure the AGC value.
- Manual: Select this option to manually set up the Shutter value.

AGC: For **Auto(AGC)** Exposure mode, you can further configure the **AGC** value. Select the Auto Gain Control level from Low to High. The lower the AGC level, the lower the video signal and the noise. The higher the AGC level, the better the sensitivity under low illumination, while the noise will be more obvious. The default AGC level is Mid-High.



Shutter: For **Manual** Exposure mode, you can further configure the **Shutter** value. If enabled, this setting lets you set the shutter speed yourself (measured in fractions of a second).

Aperture

Lens: Select a mode from Manual or Semiautomatic. The default Iris mode is Semiautomatic.

Gamma

Gamma: Users can use this field to optimize video quality of the monitor. Choose CURVE_1_6, CURVE_1_8, CURVE_2_0 or CURVE_2_2 from the drop down list. The darker the environment is, the higher Gamma value you should choose. The default Gamma mode is CURVE_2_0.

Flikerless: Choose between OFF, 50HZ or 60HZ. The default Flikerless mode is OFF.

After complete the settings, click **Save** to apply the changes.



7.2.3. Image

EverFocus				🕽 Home Sys	tem 👤
System Settings					
Network					
Date / Time	Image				
Schedule Record					
Storage	Mirror: OFF	~		to star	
Display and Overlay	Color Mode: Normal	~			
System Maintenance	Color Mode. Normal		The second secon		
System Information	Sharpness:	80			
User	Brightness:	100		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Serial Communication					
Local Settings	Contrast	148			
Camera Settings	Saturation:	100	1 / / / / / / / / / / / / / / / / / / /	-	
Streaming and Audio	Hue:	•			
Camera		_			
lmage			Save		

Mirror: Select a mirror mode from OFF, Horizontal Mirror, Vertical Mirror, 180 degree Rotation, 90 degree Rotation or 270 degree Rotation. The default Mirror mode is Close.

- Horizontal Mirror: The image will be rotated horizontally around a vertical axis.
- Vertical Mirror: The image will be rotated vertically around a horizontal axis.
- **180 degree Rotation:** The image will be rotated 180 degree.
- 90 degree Rotation: The image will be rotated 90 degree.
- **270 degree Rotation:** The image will be rotated 270 degree.

Note: Set up 90 / 180 / 270 degree rotation will cause the system to reboot automatically. Please create a new network connection to the IP camera when the reboot is complete.

Color Mode: Select a color mode from Normal, Bright or Nature. The default color mode is Normal. **Sharpness:** Slide the bar to adjust the sharpness.

Brightness: Slide the bar to adjust the brightness.

Contrast: Slide the bar to adjust the contrast.

Saturation: Slide the bar to adjust the saturation.

Hue: Slide the bar to adjust the hue.

Click the **Default** button to return the color settings (Brightness, Contrast, Saturation and Hue)

to the default value.

After complete the settings, click **Save** to apply the changes.

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7.3. Event Settings

You can set up the Motion Detection event or Tampering Detection event to automatically notify the users when an event occurs.

7.3.1. Event

7.3.1.1. Motion Settings

Use this page to configure the area in which motion will be detected, and set up schedules to active alarm functions. When a motion is detected by the camera, the alarm icon ① at the top of the Live View window will turn red and blink ① to alert the user.

EverFocus								9	Home	System	1
NTP Settings	^										
Storage											
Display and Overlay		Motion Set	ings								
System Maintenance											
System Information		Ena	ble		sensitivi	ty: 4	\mathbf{r}	Week Monday	\sim		
User		ArmSched	Je				MaskSet				
Serial Communication		_		_		_			10.00		
Local Settings		Section		✓ - 2	3 🖌 59	\sim	Va -	- setter			
Camera Settings		Section:	2: 0 🔽 0	- 0	0	~	No.				
Streaming and Audio		Section:	3: 0 🔽 0	· · · ·	0	$\mathbf{\sim}$					
Audio Settings		Section-	. 0 🔽 0	<u>-</u>	0 🔽 0	~					
Stream Settings		Section		-		$\mathbf{\vee}$		The second second			
Privacy Mask Settings							I TO AN		-	100	
Camera				· · ·		$\mathbf{\Sigma}$			-		
Image		Section	7: O 🔽 O	- 🔽 - 🛛		$\mathbf{\mathbf{v}}$			_		
Event Settings		Section	3: 0 🔽 0	- 🗹	0 🔽 0	$\mathbf{\mathbf{r}}$		Clear			
Event		LinkType									
Motion Settings				-			Snapshot Interval:	1		2	
Tamper Detection Settin	¥	Email:	Snapshot:	Record:	Alarm Ou	tput:	Snapshot No.:	1	[N	2	
Alarm Input											
Alarm Out							Save				
Exception Settings											

To set up a Motion Detection area:

- 1. Check the **Enable** box to enable the Motion Detection function. Select a value from the drop-down list to set the sensitivity of the Motion Detection.
- 2. Select a day (Monday ~ Sunday) from the **Week** drop-down list to configure the schedule.

Stainless Steel 2MP/3MP/4MP Network Cameras

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- 3. Set up schedules to active the alarm functions and send alarm notification. Check the box of the desired section to configure the schedule, and select a start / end time from the drop-down list for the section.
- 4. On the preview window, click and drag to draw the desired Motion Detect area, the area will be marked in red.
- 5. You can remove the configured Motion Detection area by clicking the **Clear** button.
- Set up event reactions for the Motion Detection function. Check the box of the desired reaction (Email, Snapshot, Record or Alarm output) to link with the function.
 Email: Check the box to enable transmitting the alarm notification to the mail server. To configure Email settings, see 7.3.2.1 Email Settings.

Snapshot: Check the box to enable taking snapshots to the micro SD Card when an event occurs. You can further configure the Snapshot settings including **Snapshot Interval** and **Snapshot No.**. For example, if you set up the **Snapshot Interval** to 5 and **Snapshot No.** to 3, system will take 3 snapshots every 5 seconds.

Record: Check the box to enable recording to the micro SD Card when an event occurs. **Alarm Output:** Check the box to enable triggering the external alarm device.

After complete the settings, click **Save** to apply the settings.

Note: The Snapshot and Record settings are only functional if the micro SD Card has been inserted in the camera's micro SD card slot.



7.3.1.2. Tamper Detection Settings

Use this page to configure the area in which tampering will be detected and set up schedules to active alarm functions. When a tampering is detected by the camera, the alarm icon ① at the top of the Live View window will turn red and blink ① to alert the user.

EverFocus				9	Home System
System Settings					
Network	Tamper Detection S	Settings			
Date / Time	- Frankla		0	West Marday	
Schedule Record	Enable			Week Monday	
Storage	Arm Schedule			Set up Detection Area	
Display and Overlay System Maintenance	Section1: 0	♥ 0 ♥ - 23	✓ 59 ✓		
System Information	Section2: 0	✓ 0 ✓ - 0	✓ 0 ✓		
User	Section3: 0	✓ 0 ✓ - 0	v 0 v		STOCK OF THE
Serial Communication Local Settings	Section4: 0	✓ 0 ✓ - 0	v 0 v		
Camera Settings	Section5: 0	✓ 0 ✓ - 0	∨ 0 ∨		
Streaming and Audio	Section6: 0	✓ 0	✓ 0 ✓		
Camera	Section7: 0	V 0 V- 0	✓ 0 ✓		
Image	Section8: 0	✓ 0 ✓ - 0	✓ 0 ✓	Clear	
Event Settings	Link Type				
Event					
Motion Settings	Email: Snap	oshot: Record: Alar	m Output: 📃	Shapshot merval.	
Tamper Detection Settin				Snapshot No.: 1	~
Alarm Input				Save	

To set up a Tampering Detection area:

- 1. Check the **Enable** box to enable the Tampering Detection function. Select a value from the drop-down list to set the sensitivity of the Tampering Detection.
- 2. Select a day (Monday ~ Sunday) from the **Week** drop-down list to configure the schedule.
- 3. Set up schedules to active the alarm functions and send alarm notification. Check the box of the desired section to configure the schedule, and select a start / end time from the drop-down list for the section.
- 4. On the preview window, click and drag to draw the desired Tampering Detection area, the area will be marked in red.
- 5. You can remove the configured Tampering Detection area by clicking the **Clear** button.
- Set up event reactions for the Tampering Detection function. Check the box of the desired reaction (Email, Snapshot, Record or Alarm output) to link with the function.
 Email: Check the box to enable transmitting the alarm notification to the mail server. To configure Email settings, see 7.3.2.1 Email Settings.



Snapshot: Check the box to enable taking snapshots to the micro SD Card when an event occurs. You can further configure the Snapshot settings including **Snapshot Interval** and **Snapshot No.**. For example, if you set up the **Snapshot Interval** to 5 and **Snapshot No.** to 3, system will take 3 snapshots every 5 seconds.

Record: Check the box to enable recording to the micro SD Card when an event occurs. **Alarm Output:** Check the box to enable triggering the external alarm device.

After complete the settings, click **Save** to apply the settings.

Note: The Snapshot and Record settings are only functional if the micro SD Card has been inserted in the camera's micro SD card slot.

7.3.1.3. Alarm Input

The Stainless Steel models do not support the Alarm function.

Use this page to configure the alarm input channel in which event will be triggered and set up schedules to active alarm functions. When an event is triggered by the alarm input, the alarm

icon igodot at the top of the Live View window will turn red and blink igodot to alert the user.

EverFocus									0	Home	System	ı 👤
System Settings	Alarm Input											
Network		_										
Date / Time	Alam	n Input: 1		~	En	able	:					
Schedule Record	Alarm Inp	ut Title : Alar	mInP	ort01								
Storage	Trigge	er Type : No	rmally	Open				~				
Display and Overlay	Arm Ochodu											
System Maintenance	Ann Schedu	ie				_	_					
System Information	\geq	Mon: 0	~	0	× -	23	× 5	9 🗡				
User		Tue : 0	~	0	v -	23	× 5	9 🗸				
Serial Communication		Wed: 0	~	0		23	× 5	9 🗸				
Local Settings		T hur 0										
Camera Settings		Inu: 0	×	0	1	23	<u> </u>	9 1				
_	\sim	Fri: 0	\sim	0	× -	23	× 5	9 🔨				
Streaming and Audio	\geq	Sat: 0	~	0	×]-	23	× 5	9 🔽				
Camera	×	Sun : 0	~	0	v -	23	× 5	9 🗸				
Image	1-1-7											
Event Settings	сіпк туре											
Front	Email	Snapshot		Record	1	A	larm O	utput				
	Snapst	hot No. : 1						~				
Motion Settings	0											
Tamper Detection Settine	Snapshoti							×				
Alarm Input				Sav	'e							

To set up the Alarm Input function:

EverFocus

- 1. Select a camera's Alarm Input channel from the drop-down list and check the **Enable** box to enable this channel. After enabling this channel, you can further configure the Alarm Input schedules and event reactions.
- Enter a name for the Alarm Input channel in the Alarm Input Title field (the name will show up in the event notifications and logs) and select Normally Open or Normally Close from the Trigger Type drop-down list.
- Set up schedules to active the alarm functions and send alarm notification. Check the box of the desired day (Monday ~ Sunday) to configure the schedule, and select a start / end time from the drop-down list for each day.

4. Set up event reactions for the Alarm Input channel. Check the box of the desired reaction (Email, Snapshot, Record or Alarm output) to link with the function.
Email: Check the box to enable transmitting the alarm notification to the mail server. To configure Email settings, see 7.3.2.1 Email Settings.
Snapshot: Check the box to enable taking snapshots to the micro SD Card when an event

occurs. You can further configure the Snapshot settings including **Snapshot Interval** and **Snapshot No.** For example, if you set up the **Snapshot Interval** to 5 and **Snapshot No.** to 3, system will take 3 snapshots every 5 seconds.

Record: Check the box to enable recording to the micro SD Card when an event occurs. **Alarm Output:** Check the box to enable triggering the external alarm device.

After complete the settings, click **Save** to apply the settings.

Note: The Snapshot and Record settings are only functional if the micro SD Card has been inserted in the camera's micro SD card slot.



7.3.1.4. Alarm Output

		🚺 Home	Sys
	Alarm Output		
	Output Relay Status: Normally Open 👻		
	Output Delay: 55		
	Cours		
	Save		
etting			

The Stainless Steel models do not support the Alarm function.

Output Relay Status: Select Normally Open or Normally Close from the drop-down list.

Output Delay: Select the duration (5 seconds - 10 minutes) for the buffer. This will determine the length of time after the event trigger moment that the external alarm device will keep alarming.

After complete the settings, click **Save** to apply the settings.



7.3.1.5. Exception Settings

EverFocus		Home	System	
System Settings				
Network				
Date / Time				
Schedule Record	Exception Settings			
Storage				
Display and Overlay	Exception Type : Network Broken			
System Maintenance	Z Record Z Alarm Output			
System Information				
User	Save			
Serial Communication				
Local Settings				
Camera Settings				
Streaming and Audio				
Camera				
Image				
Event Settings				
Event				
Motion Settings				
Tamper Detection Settin				
Alarm Input				
Alarm Output				
Exception Settings				

Exception Type: Select an exception type from Network Broken, IP Address Conflict or Illegal Access.

Record: Check the box to enable recording to the micro SD Card when an event occurs.

Alarm Output: Check the box to enable triggering the external alarm device.

After complete the settings, click **Save** to apply the settings.

Note: The Record setting is only functional if the micro SD Card has been inserted to the camera's micro SD card slot.



7.3.2. Notification



EverFocus	•	Home	System	1
System Settings				
Network				
Date / Time	Email Settings			
Schedule Record				
Storage	Sender Address:			
Display and Overlay	Password:			
System Maintenance	Confirm PWD:			
System Information				
User	SMTP Server.			
Serial Communication	SMTP Port 0			
Local Settings	Email Sending 25S 💙			
Camera Settings	Interval:			
	Email Title:			
Streaming and Audio	Receiver Address :			
	Enable SSI ·			
image				
Event Settings	Save			
Event				
Notification				
Email Settings				

Sender Address: Input the sender's e-mail address, so that the receiver can recognize the sender when an event message is received.

Password: Input the user's login password if the SMTP server requires authentication.

Confirm PWD: Type the password again to confirm it.

SMTP Server: Enter the IP address or the host name of the SMTP server used to send e-mails.

SMTP Port: Enter the port number for SMTP.

Email Sending Interval: Input the interval time for sending e-mail notification.

Email Title: Type the e-mail title.

Receiver Address: Input the e-mail addresses for receiving an e-mail message when events occur. Currently only one receiver address can be configured.

Enable SSL: Check the box to enable the SSL function. Enable this function means you can access the camera through the SSL protocol that provides communication security over the Internet.

After complete the settings, click **Save** to apply the settings.



7.4. Search and Play

You can remotely play back the recordings stored in the on-camera micro SD card on the Playback page, or play back the snapshots / recordings stored in the computer on the File page.

7.4.1. Playback

Playback is designed as a quick way to check recent event recordings in the on-camera micro SD card. This page is only available when a micro SD card has been inserted to the SD card slot.



To search and then play back the recording:

Check the **CH01** box to select the IP camera on the left-side panel, and then select the date you want to search on the right-side panel. Click **Search** to get your search results. Double-click on the Time Bar to play back from the specified time, or click the **Start** to play back from the start.





Fast: Click to speed up the playback speed (switch between 2, 4, 8 and 16).

Capture: Click to take a snapshot.

Backup: Click 🎽 and a Video Download window will pop up.

Video Downloa	d
Channel:	01
Start Time:	2017y 💙 11m 💙 16d 💙 0h 💙 0min 💙
	Osec 💙
End Time:	2017y 💙 11m 💙 16d 💙 13h 💙 19mi 🌱
	20st 💙
Up to:	C:\Program Files\BACKUP
File Format:	● AVI
Backing up the	0
Channel:	
Progress:	
	Start Stop

To back up the recording:

- 1. Check the **01** box to select the IP camera
- 2. Select the **Start/End** Time for the recordings you want to back up.
- 3. Specify the storage path for the backup files in the **Up to** column.
- 4. Click **Start** to download the recording files; click **Stop** to stop downloading.

Frame Play: Click to play the recording file frame by frame.

Full Screen: Click ¹³ to display the current recordings in full screen.

Speed: Display the current playback speed.

Voice: The Stainless Steel models do not support the Audio function. Click 📍 to adjust the

volume or switch the sound on / off for of the recording.

Note: The Playback page is only accessible if the micro SD Card has been inserted in the camera's micro SD card slot.

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7.4.2. File

File is a tool to check all the snapshots, recordings and backup files in the on-camera micro SD card or the local storage.



To search and then view the snapshot / recording file:

- 1. On the left-side panel, select the date you want to search and then click **Search**.
- 2. Click the + node of the desired file type to expand the sub-folder (date folder).



- Playback Snapshot: Click to list all snapshots captured in the Playback page.
- Backup file: Click to list all recording files backed up in the Playback page.
- Event Snapshot: Click to list all snapshots captured by the triggering of Events.
- Live View Snapshot: Click to list all snapshots captured in the Home page (Live View window).
- File Snapshot: Click to list all snapshots captured in this (File) page.
- Live View Recording: Click to list all recordings recorded in the Home page (Live View window).



3. Click the + node of the desired date folder to list all files captured or recorded on this date.



4. Double-click on the file to display it.

Control Panel:

► ■ ← ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ► ►
Start / Pause: Click 🕨 to play the file. Click 📕 to pause playing.
Stop: Click to stop playing.
Slow: Click 🤲 to slow down the play speed (switch between 1/2, 1/4, 1/8 and 1/16)
Fast: Click 🎽 to speed up the play speed (switch between 2, 4, 8 and 16)
Frame Play: Click 📕 to play the recording file frame by frame.
Capture: Click is to take a snapshot. Speed: Display the current speed.
Voice: The Stainless Steel models do not support the Audio function. Click \clubsuit to adjust the volume or switch the sound on / off for of the recording file.
To change the storage path, see 7.1.10 Local Settings.

Note: The Playback Capture / Backup / Linkage Capture folders are only accessible if the micro SD Card has been inserted in the camera's micro SD card slot.



7.4.3. View Log

EverFocus							🌔 Home System 💄
System Settings		Index	Log Time	Log Type	Log Theme	Ch	User Address
Network	Log Log Type All	1	2017-11-16 05:21:00	Operation	Remotely Playback by time	1	
Schodulo Record	Start Time 2017-11-16	2	2017-11-16 05:19:50	Operation	Remotely Login	1	192.168.31.72
Storage	End Time 2017-11-16	3	2017-11-16 05:18:13	Operation	Remotely Login	1	192.168.31.72
		4	2017-11-16 05:15:39	Additional Information	Set up SENSOR	1	192.168.31.72
System Maintonanco	No. per Page 22	5	2017-11-16 05:15:33	Additional Information	Set up SENSOR	1	192.168.31.72
System Information	Search	6	2017-11-16 05:00:15	Operation	Power Off	1	
Licor		7	2017-11-16 04:12:17	Operation	Power Off	1	
Social Communication		8	2017-11-16 03:59:16	Operation	Power Off	1	
		9	2017-11-16 03:53:47	Additional Information	Set up User Parameters	1	192.168.31.72
Local Settings		10	2017-11-16 03:40:19	Operation	Power Off	1	
Camera Settings		11	2017-11-16 03:38:44	Operation	Remotely Login	1	192.168.31.72
Streaming and Audio		12	2017-11-16 03:29:33	Operation	Remotely Login	1	192.168.31.77
Camera		13	2017-11-16 03:28:11	Operation	Remotely Logoff	1	192.168.31.72
Image		14	2017-11-16 03:22:04	Operation	Remotely Login	1	192.168.31.72
initigo		15	2017-11-16 03:18:17	Operation	Power Off	1	
Event Settings		16	2017-11-16 03:17:04	Additional Information	Set up Recording Time Parameters	1	192.168.31.72
Notification		17	2017-11-16 03:13:03	Operation	Remotely Login	1	192.168.31.72
Tourcason		18	2017-11-16 03:12:54	Operation	Remotely Logoff	1	192.168.31.72
Search and Play		19	2017-11-16 03:12:08	Operation	Remotely Login	1	192.168.31.72
Playback		20	2017-11-16 03:07:07	Operation	Power Off	1	
File		21	2017-11-16 02:59:53	Operation	Start 2-Way Audio	1	192.168.31.72
Log		22	2017-11-16 02:59:53	Operation	Remotely Login	1	192.168.31.72
					Total 25 Record	ds Current 1 Page Ne	t Page Last Page Go to 1 💟 Page

To search the system log:

- 1. On the left-side panel, click on the **Main Type** drop-down list to select a log type from All, Alarm, Exception Settings, Operation and Setup.
- 2. Click on the **Start/End Time** column to bring up the calendar and then select a start/end date.
- 3. Click the **Search** button, the search result will be displayed in the right part of the page.
- 4. You can specify how many logs to display on each page in the **No. per Page** column.

EverFocus

8. Upgrading Firmware Using IP Utility

You can upgrade the Firmware using the **IP Utility** software included in the software CD. The IP Utility can also be downloaded from EverFocus' Website: <u>http://www.everfocus.com.tw/product/ip-utility/</u> Please connect the IP camera on the same LAN of your computer.

1. Install and then start the IPU program 😥, the following IPU window appears. The IPU will

automatically search the IP devices connected in the LAN.

😥 IP Utility V4.3.0_15052	8	_	_	-		
File Edit View Tool	Help					
😪 占 🔊	B 🕼 🐌	a	Port V		Q Searc	:h 🛞
Machine Name	Mac Address	Model	IP Address	IP Type	Port	Status 🔺
EDN468MS	00:5A:20:3E:80:55	EDN468MS	192.168.31.71	DHCP	80	
<	·	III	·			•
		L	eft click to select or	unselect device	s. Right click	to edit

2. Log in the camera by checking the desired model and then click the **Log in** 📕 icon. The Log in dialog

box appears.

P Utility V4.3.0_150528	1.		
File Edit View Tool Help	Log in	×	
🕄 🛃 🏹 🔛 🛃 😵	Username	user1	Q Search 🔕
Machine Name Mac Address	Decement		IP Type Port Status 🔺
✓ EDN468MS 00:11:14:0C:F6:F0	Password		HCP 80
	ОК	Cancel	
			ect devices. Right click to edit

3. Type the Username and Password. Click the **OK** button, the **Login** status displays.

	Machine Name	Mac Address	Model	IP Address	IP Type	Port	Status
V	EDN468MS	00:11:14:12:30:A4	EDN468MS	<u>192.168.31.67</u>	DHCP	80	Login

Note:

- 1. The default user ID is **user1** and the default password is **11111111**
- 2. If you select more than one camera that has the same user ID / password, you will be able to log in several cameras at once.
- 3. Up to 10 cameras can be simultaneously upgraded to the latest firmware. If you connect the cameras to a PoE switch, please make sure the Power Consumption of the PoE switch is sufficient.



4. Click the **Upgrade Firmware** button **1**, a browsing window appears.

Select a firmware file 🛛 💽 🗙							
Look in: 🗁 Firmware				ø	Þ	 •	
🗟 exn-1.2.4.evt							
File name:			~		C	Open	
Files of type:	Firmware File (*.evb)		*			Cancel	

5. Select the **firmware file (.evb)** and then click **Open**. The IPU will automatically upgrade the firmware. The camera will reboot once the upgrade process is complete.

Machine Name	Model	IP Address	IP Type	Port	Status
EDN468MS	EDN468MS	192.168.31.215	Static IP	80	Success



9. Specifications

Model	EDN288MS/368MS/468MS	EZN288MS/368MS/468MS			
	288MS Series: 2MP				
Megapixel	368MS Series : 3MP				
	468MS Series : 4MP				
	288MS Series: Sony Progressive scan CMOS sensor				
Pickup Device	368MS Series : Sony Progressive scan CMOS sensor				
	468MS Series : CMOS sensor				
Lens	Motorized 2.8	-12mm lens			
	288MS Series: Color: 0.05Lux @F1.4; B/W: 0.005Lux @F1.4				
Minimum Illumination	368MS Series : Color: 0.05Lux @F1.4; B/W: 0.005Lux @F1.4				
	468MS Series : Color: 0.5Lux	@F1.4; B/W: 0.2Lux @F1.4			
Day/Night	True Day/Nig	ht with ICR			
Iris	Iris				
Electronic Shutter	Auto / Manual (1/25 ~ 1/10,000) / Flickerless				
Video Compression	H.265 / H.264				
	288MS Series: 1920 x 1080				
Max. Video Resolution	368MS Series : 2048 x 1536				
	468MS Series: 2592 x 1520				
Frame Rate	25fps(Pal) / 30fps(NTSC)				
	288MS Series: ≥ 50db (AGC OFF)				
S/N Ratio	368MS Series : ≥ 50db (AGC OFF)				
	468MS Series: ≥ 35db (AGC OFF)				
AGC	Yes				
AWB	Yes				
	288MS Series: T-WDR (120dB)				
WDR	368MS Series : T-WDR (120dB)				
	468MS Series : D-WDR				
3DNR	Yes				
Interface	RJ-45 10M/100M adaptive				
Supported Protocols	TCP/IP, UDP, HTTP, DHCP, RTSP, DDNS, NTP, PPPOE, UPNP, SMTP, ONVIF				
Reset Button	Yes	5			
Stream Type	Complex stream / Video stream				
Stainless Steel 2MP/3MP/4MP Network Cameras

Image Settings	Contrast, Brightness, Saturation	Contrast, Brightness, Saturation, Sharpness, Mirroring of Images						
Intelligent Alarm	Video Loss, Network Anomaly, Tampering Alarm,							
	Storage Exception, Motion Detection							
Event Trigger	Motion Detection, 1	Tampering Detection						
	Email Notification, Live V	iew Window Notification,						
Notification	Push Notification (via Mobi	leFocus / MobileFocus plus)						
Password Protection	Supp	orted						
Storage	Micro SD / SDHC / SDXC slot	t (Max. 128G, up to class 10)						
IR LED	12 Units	3 Units (High Power)						
IR Distance	30m ,	/ 98ft.						
Power Supply	12\	/DC						
Power over Ethernet	PoE IEEE802	.3af (Class 3)						
Max. Power Consumption	12VDC 4.5W / PoE 4.9W	12VDC 7.4W / PoE 8.2W						
Humidity	0% ~ 90% no	t condensing						
Operating Temperature	-20°C ~ 50°C	/ -4°F ~ 122°F						
Dimensions	135 x 100.5mm / 5.3" x 4"	127.8 x 105.1mm / 5.03" x 4.14"						
Weather Resistance	IP	68						
Vandal Resistance	IK	10						
Weight	2300g / 5.07lb	1660g / 3.66lb						
Certificates	CE, FCC, RoHS							

10. Troubleshooting

Low Frame Rate

If the frame rate is lower than expected, follow the steps below to fix the problem.

- 1. Reduce the number of applications running on your PC.
- 2. Limit the number of users that access camera live view.
- 3. Check whether the network bandwidth is sufficient.
- 4. Lower the video resolution.
- 5. Lower the camera Bit Rate by configuring Constant Bit Rate or Variable Bit Rate (see 7.2.1 Streaming and Audio).

Appendix

A. Tested Card Brands

This IP Camera supports micro SD / SDHC card up to 128GB. You can go to the **Download** page on the product website to find the Storage Compatibility Table for tested SD cards. Please visit EverFocus' Website <u>www.everfocus.com.tw</u>

B. Enabling the Multicast Function

The Multicast Function is a technique for one-to-many communication over an IP infrastructure in a network that is designed to share IP camera loading and reduce network bandwidth. Note that for this function to work, the router / switch must support multicast function.



To enable the Multicast Function:

- 1. Complete the installation of the IP cameras, routers / switches and computers (refer to diagram above).
- Access to the Web UI of the IP camera to enable the Multicast function. Click the Save button to save the setting. (System > System Settings > Network > Multicast Settings > Enable Multicast)

EverFocus		0	Home	System	1
System Settings					
Network	Multicast Settings				
IP Settings	Enable Multicast				
Multicast Settings	Main Stream Video				
DDNS Settings	IP Address: 238,255.0.2				
Date / Time	Port 28080				
Schedule Record					
Storage	TL: 255 0-255				
Display and Overlay	Sub Stream Video				
System Maintenance	IP Address: 238.255.0.3				
System Information	Port 28084				
User	TTI : 255 0-255				
Serial Communication					
Local Settings	Main Stream Audio				
Camera Settings	IP Address: 238.255.0.4				
	Port 28088				
Streaming and Audio	TTL: 255 0-255				
	Sub Stream Audio				
image	IP Address: 238.255.0.3				
Event Settings	Port 28082				
Event	Poll zooz				
Notification	TTL: 255 0-255				
Search and Play	Save				

3. Go to the setting page of the router / switch to enable the Multicast function. Here we use a D-Link DIR655 router and EverFocus 24-port switch for example.



4. The Multicast function setup is now complete.

C. RTSP URL Syntax

Following is the RTSP URL syntax of EverFocus' IP cameras.

rtsp://[device-ip-address]/ch1_[main]

- * [device-ip-address] is the IP address of the IP camera
- * [main] is for Main Stream; [sub] is for Sub Stream

For example, if the IP address of the IP camera is 192.168.37.55, the RTSP URL (main stream / sub stream) of this IP camera will be:

Main Stream:

rtsp://192.168.37.55/ch1_main

Sub Stream:

rtsp://192.168.37.55/ch1_sub

Note: If you have difficulty getting the live view image, please reduce the number of clients accessing the IP camera.

D. Setting up Port Forwarding Function

IP Camera port forwarding can be used when users need to access a certain IP camera from outside of the local network where the IP camera is connected to.

To enable the IP camera port forwarding function, you have to configure the port forwarding settings both on the IP camera and the router (UPnP-enabled). Please follow the steps below:



1. Go to System > System Settings > Network > IP Settings.

EverFocus					0	Home	System	1
System Settings								
Network								
IP Settings								
Multicast Settings	IP Settings							
DDNS Settings					80		_	
Date / Time				HTTPS Port	443		-	
Schedule Record		IPV4 🥺		RTSP Port	554		_	
Storage		Static IP 🔍	DHCP 💿	RTMP Port	1035			
Display and Overlay	IP Address:	192.168.31.42		Enable LIDeP:	1955			
System Maintenance	Subnet Mask:	255.255.255.0			5050			
System Information	Gateway:	192.168.31.254		Device Port	5050			
User	Primary DNS:	192.168.10.188		Enable PPPoE:	-			
Serial Communication	Secondary DNS:	192.168.10.189		User Name:			_	
Local Settings	MAC:	00:11:14:18:30:17		Password:			_	
				Confirm PWD:			_	
Camera Settings				PPPoE IP:	100.100.100.100			
Streaming and Audio				Save				

a. Set up a static IP for the IP camera. Type in the subnet mask, gateway and the DNS if provided by the Internet Service Provider.



b. Enter the port numbers and check the **Enable UPnP** box to enable the port forwarding function. Click the **Save** button.

The default ports of all EverFocus' IP cameras are as below. You can change the port numbers if necessary. Be sure the port numbers setup on the router match the ones setup here. HTTP: 80 HTTPS: 443 RTSP: 554

2. Set up the port forwarding settings on the router. Here we use D-Link's router for example.

D.T.S.	-				
DIR-615	SETUP	ADVANCED	TOOLS	STATUS	SUPPORT
VIRTUAL SERVER	PORT FORWARDI	NU			Helpful Hints
PORT FORWARDING	This option is used to	o open multiple ports or a range o	f ports in your router ar	nd redirect data	Check the Application
APPLICATION RULES	through those ports various formats include	to a single PC on your network. T ling, Port Ranges (100-150), Indiv	his feature allows you t idual Ports (80, 68, 888	o enter ports in), or Mixed	for a list of predefined
QOS ENGINE	(1020-5000, 689).				one of the predefined
NETWORK FILTER	Save Settings Don	't Save Settings			applications, click the arrow button next to the
ACCESS CONTROL					the corresponding field.
WEBSITE FILTER	24 PORT FORW	ARDING RULES			You can select a computer
INBOUND FILTER			Ports to Open		dients in the Computer
FIREWALL SETTINGS	Name	Application Name	ТСР	Schedule	Name drop down menu, or you can manually enter
ADVANCED WIRELESS	EDN3260_http	Application Name	80	Always 💌	the IP address of the LAN computer to which you
	192.168.0.172	< Computer Name			would like to open the specified port.
SETUP	Name		ТСР	Schedule	Select a schedule for when
ADVANCED NETWORK	EDN3260_https	< Application Name	443	Always 💌	the rule will be enabled. If
	IP Address	Computer Name	UDP	Inbound Filter	schedule you need in the
	192, 108, 0, 172		тер		Tools → Schedules
	EDN3260_RTSP	<	554	Always 👻	screen and create a new schedule.
	IP Address		UDP	Inbound Filter	You can enter ports in
	102 109 172	Computer Name		Allow All	roa can cincer por to in

Please be noted that each router may look different in some ways, however, the concept of the port forwarding setting is the same. For more details, please consult the manual of your router.



Enter the IP address of the IP camera

Enter the HTTP/HTTPS/RTSP port numbers of the IP camera

3. Open a browser and type in the IP address of the router, now you are able to access the IP camera from the Internet.

E. Setting up DDNS Function

If you set up your IP Camera with DHCP network, the IP address of your IP Camera may change at different times for different reasons, particularly after a power failure. The changing IP address of the IP Camera may cause you difficulties accessing the IP Camera. To solve this problem, you can set up the DDNS function to your IP Camera, and access your IP Camera with a fixed host name whenever the IP address of your IP Camera changes.

DDNS (Dynamic Domain Name System) is a service used to map a domain name to the dynamic IP address of a network device. It assigns a domain name (URL) to the IP Camera, so that the user does not need to go through the trouble of checking if the IP address assigned by DHCP Server has changed. Once the IP is changed, the IP Camera will automatically update the information to the DDNS to ensure it is always available for remote access.

To set up DDNS for your IP Camera, you have to 1) enable the DMZ or Port Forwarding function of your router 2) configure the network setting of your IP Camera 3) configure the DDNS setting of your IP Camera. Please follow the steps below.

To enable the DDNS function:

1. In order to access the IP camera from outside of the local network, enable either the **Port Forwarding** or **DMZ** function of your router. Please refer to the manual of your router for more details.

Product Page: DIR-6	15		ا قىرىيەر بىرىيە يېشىيە	н	ardware Version: B2	Firmware Version: 2.27
DIS						
Danit						
DIR-615	SETUP	ADVANCED	TOOLS		STATUS	SUPPORT
VIRTUAL SERVER	PORT CORWARDING					Helpful Hints
PORT FORWARDING APPLICATION RULES QOS ENGINE NETWORK FILTER ACCESS CONTROL WEBSITE FILTER	This option is used to open through those ports to a s various formats including, P (1020-5000, 689). Save Settings Don't Save 24 PORT FORWARD	n multiple ports or a range single PC on your network Port Ranges (100-150), Ir e Settings DING RULES	e of ports in y c. This feature idividual Ports	your router a e allows you t s (80, 68, 88	nd redirect data to enter ports in 8), or Mixed	Check the Application Name drop down menu for a list of predefined applications. If you select one of the predefined applications, click the arrow button next to the drop down menu to fill out the corresponding field. You can select a computer
INBOUND FILTER			Port	s to Open	-	dients in the Computer
FIREWALL SETTINGS	Name ECOR HD	<< Application Name	▼ 80	TCP	Schedule Always 💌	Name drop down menu, or you can manually enter the IP address of the LAN
ADVANCED WIRELESS	IP Address			UDP	Inbound Filter	computer to which you would like to open the
WI-FI PROTECTED	192.168.0.172	Computer Name		700	Allow All	specified port.

Note: If you enable the Port Forwarding of your router, the **Enable UPnP Port Forwarding** function must be enabled on the IP camera (see **Port Settings** field in the *Step 2* image).



DIR-865L	SETUP	ADVANCED	TOOLS	STATUS
VIRTUAL SERVER	FIREWALL & DMZ	SETTINGS		
PORT FORWARDING	DMZ means "Demilita	rized Zone". DMZ allows comp	outers behind the router f	irewall to be accessible
APPLICATION RULES	to Internet traffic. Typ	pically, your DMZ would conta	in Web servers, FTP serve	ers and others.
QOS ENGINE	Save Settings Do	n't Save Settings		
NETWORK FILTER		28		
ACCESS CONTROL	FINEWALL SETTING	35		
WEBSITE FILTER		Enable SPI :		
INBOUND FILTER	ANTE SPOOL CUTC	KINC		
FIREWALL SETTINGS	ANTI-SPOOF CHEC	KING		
ROUTING	Enable anti-spo	of checking : 🗌		
ADVANCED WIRELESS	DMZ HOST			
WI-FI PROTECTED SETUP	The DMZ (Demilitarize	ad Zone) ontion lets you set a	single computer on your	network outside of the
ADVANCED NETWORK	router. If you have a	computer that cannot run Inte	ernet applications success	fully from behind the
DLNA SETTINGS	router, then you can p	place the computer into the D	M2 for unrestricted interr	let access.
ITUNES SERVER	Note: Putting a comp of this option is only r	outer in the DMZ may expose the ecommended as a last resort	that computer to a variet	y of security risks. Use
GUEST ZONE	or and option is only i			
IPV6 FIREWALL		Enable DMZ : M		
IPV6 ROUTING	DMZ	IP Address : 192.168.0.119	× <<	
		Computer Nar	ne 💙	

2. On the Network Setting page (Setting > System Settings > Network > IP Settings), configure the IP Settings, keep the default Port Settings and then click the **Save** button.

F EverFocus) Home	System	1
System Settings									
Network									
IP Settings									
Multicast Settings	IP Settings								
DDNS Settings				нт		0			
Date / Time				нтт	PS Port 4	43			
Schedule Record		IPV4 💿		 דק	SP Port 5	54			
Storage		Static IP 🔍	DHCP 🧿			025		-	
Display and Overlay	IP Address:	192.168.31.42				935			
System Maintenance	Subnet Mask:	255.255.255.0		Enable	e UPNP:			_	
System Information	Gateway:	192.168.31.254		Devi	ice Port 5	050			
User	Primary DNS:	192.168.10.188		Enable	PPPoE:				
Serial Communication	Secondary DNS ⁻	192,168,10,189		Use	r Name:			_	
	MAC	00.11.14.18.30.17		Pa	ssword:				
Local Settings	WAG.	00.11.14.10.50.17		Confin	m PWD:				
Camera Settings				PF	PPOE IP: 1	00.100.100.100			
Streaming and Audio				Save					

• If **Static IP** is selected: Enter the IP address, subnet mask, default gateway and the DNS Server. Please consult with your ISP service provider for the information of subnet mask, default gateway and the DNS Server.

- If **DHCP** is selected: The IP address, subnet mask, default gateway and the DNS Server will be assigned automatically by DHCP server.
- If **Enable PPPoE** is selected: Enter the User Name (e.g. <u>xxxx@hinet.net</u>) and Password provided by your ISP service provider.
- 3. In the DDNS Settings field (Setting > System Settings > Network > DDNS Settings), register a free host name from EverFocus DDNS and then click the **Save** button.



- a. Check Enable DDNS to enable the DDNS function.
- b. Select www.everfocusddns.com and enter a desired host name in the Domain field.

Note: The host name should not include a space, or a dot (period) or any special characters particularly _~ ! @ # \$ % ^ & * () + < > " ; : . ,

- c. Click Save.
- 4. The DDNS setup is now complete. Open a browser and enter the domain name (http://[host name].everfocusddns.com) in the address field. The Web interface of the device should be displayed.

For example, if you've obtained the host name "HQtest" from EverFocus DDNS server, enter <u>http://HQtest.everfocusddns.com</u> in the address field of the browser.



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Your EverFocus product is designed and manufactured with high quality materials and components which can be recycled and reused. This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste. Please, dispose of this equipment at your local community waste collection/recycling centre. In the European Union there are separate collection systems for used electrical and electronic product. Please, help us to conserve the environment we live in!

Ihr EverFocus Produkt wurde entwickelt und hergestellt mit qualitativ hochwertigen Materialien und Komponenten, die recycelt und wieder verwendet werden können. Dieses Symbol bedeutet, dass elektrische und elektronische Geräte am Ende ihrer Nutzungsdauer vom Hausmüll getrennt entsorgt werden sollen. Bitte entsorgen Sie dieses Gerät bei Ihrer örtlichen kommunalen Sammelstelle oder im Recycling Centre. Heffen Sie uns bitte, die Umwelt zu erhalten, in der wir leben

