

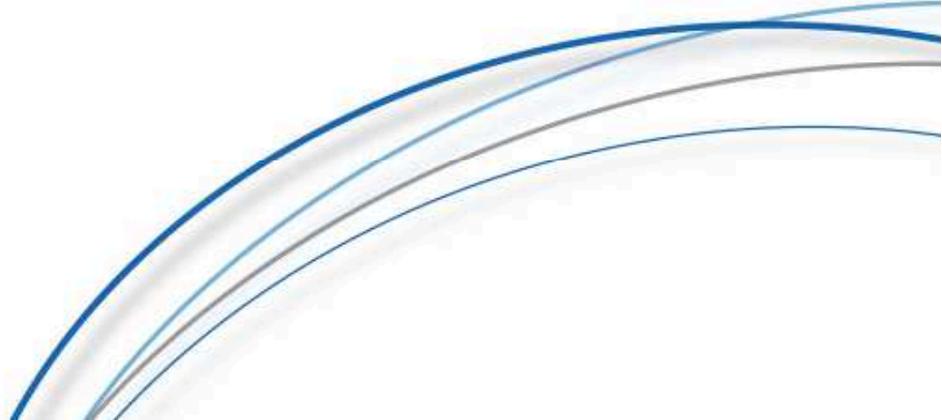


**EMINENT**

**EM6220**  
**e-CamView Pan/Tilt IP camera**

**en**

Manual



# EM6220 – e-CamView Pan/Tilt IP camera

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## 1.0 Introduction

Congratulations with the purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by a five-year Eminent warranty. Please keep this manual and the receipt in a safe place.

*Register your product now on [www.eminent-online.com](http://www.eminent-online.com) and receive product updates!*

### 1.1 Packaging contents

The following parts need to be present in the packing:

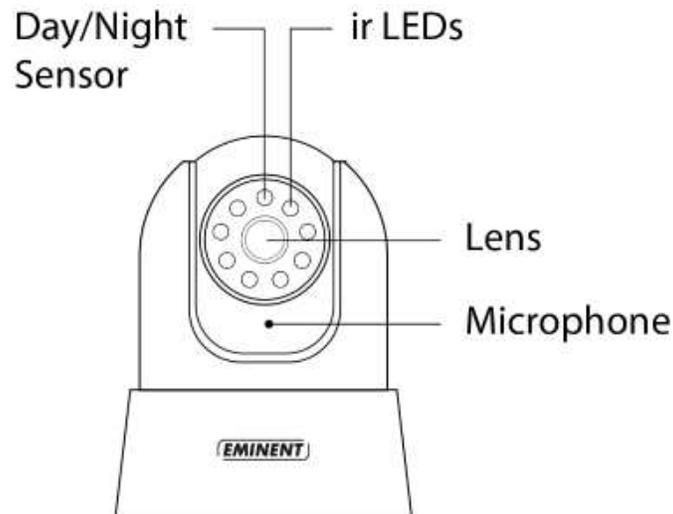
- EM6220
- Power supply
- Quick install guide
- Network cable
- Mounting bracket with screws and plugs
- CD-ROM with software and wizard

### 1.2 Requirements to access the camera.

It is very easy to access the video images of the EM6220 on your smartphone, tablet or PC. You only need the ID or QR code that is displayed on your bottom label and download the application for your device. You do not need to remember or setup the configuration of your modem/router to be able to access the camera.

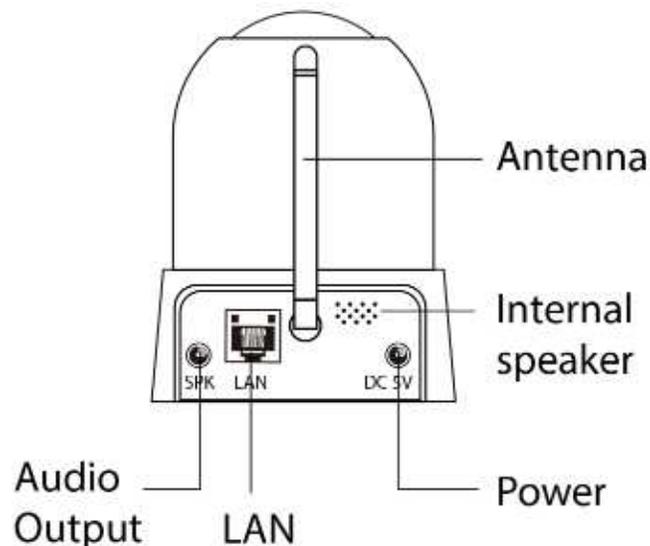
### 1.3 Major hardware components.

The major components on the front panel of the EM6220 are the built-in microphone, lens and IR LED's :



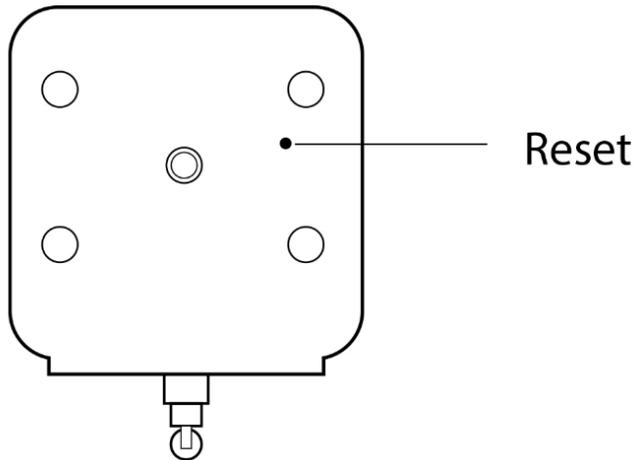
1. Microphone – for receiving the audio/voice.
2. Lens – the lens is inside the camera body and the focus of the lens is fixed, you do not need to spend time to adjust the focus.
3. IR LED – for the Infra-Red lighting of the night mode usage.
4. Day/Night sensor – sensor for day/night detection

The major components on the back panel of the EM6220 are the power jack, Ethernet jack and Speaker jack:



1. Speaker jack – connect to an external speaker for two way audio.
2. Power jack – this is the place to plug in the power adapter. The power needed for this EM6220 is 5V/2A, please make sure you are using the correct power adapter.
3. Ethernet jack – this is the place to plug in the RJ45 Ethernet cable.
4. Antenna jack – this is the place to mount the WiFi antenna
5. Internal Speaker

The major components on the bottom of the EM6220 are the bracket screw jack and reset button:



1. Reset button – this is the button to reset the EM6220 to default factory settings. You need to use a small stick like pencil or tooth stick to press the reset button for more than 15 seconds to enable the reset function. Please refer to section 6.0 for more details.
2. Bracket screw jack – this is the position to screw in the bracket of the EM6220. With the bracket, you can install the EM6220 on the wall.

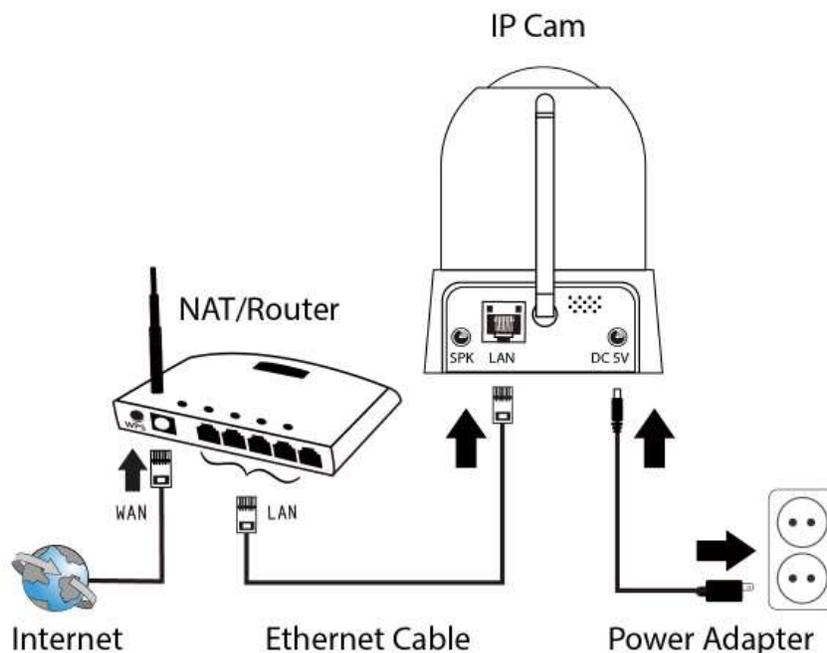
## 2.0 Installing the camera

A few short and simple steps are necessary to connect and assign the camera, and to enjoy the use of the camera. Use the following steps to connect the camera.

### ***2.1 Connecting the camera to your network using a network cable***

We advise to connect the camera first with a network cable. Once the camera works correctly, you can use your wireless network.

1. Connect the camera to a power outlet using the supplied power adapter.
2. Connect the camera to your router or switch using the supplied network cable.



## ***2.2 Installing the e-CamView App on an Apple/Android device***

Before you can view the video of the camera, you need to download and install the app “e-CamView” from the “Play Store” or “App Store”.

1. Download and install the app “e-CamView” from the “Play Store” or “App Store”.
2. Open e-CamView.
3. Select the “+” button to add the camera to the App.
4. A new window opens to enter the data of the camera.
5. Here you can choose to install the camera: Manually, Scan QR code or LAN Search.
6. Now enter the device ID manually, Scan the QR code on the bottom label or select the camera you just found in the LAN search.
7. Select “Done” to add the camera.

## ***2.3 Installing the software and camera on a PC or notebook (Windows).***

Before you can view the video of the camera, you need to install the software “e-CamView” from the CD-ROM.

1. Insert the CD in the CD-ROM.
2. If auto-run is enabled the Wizard should start.
3. Run the wizard to install the application e-CamView.
4. The application is installed on the PC
5. Open e-CamView. (If prompted with a screen about the firewall click always allow).

7. If the computer and the EM6220 is connected to the same network, the Camera can be added by clicking “open search tool”.
8. Click “search”
9. The devices are displayed with the Device ID in the search list. You add the Camera to the device list by double clicking the device.
10. A new window will be displayed here you can change the name of the camera and enter the password of the camera that is printed on the enclosed card.
11. If the EM6220 is not in the same network as the computer you can add the EM6220 by clicking “Device list” followed by “Add” enter the username “admin” and the “Device ID” in the UID field and press “OK”.

## 2.4 Adding the camera to a wireless network

There are 2 options to connect the EM6220 to your wireless network. First option is to configure the settings by using the App. The second option is to use the software installed on your PC (windows).

*Note: The device will reboot if necessary you will hear a buzzing sound from the speaker of the camera followed by calibration of the camera.*

### 2.4.1 Connecting to Wi-Fi using the App.

1. Ensure the camera is connected to the network with a Ethernet cable.
2. Start the App “e-CamView”.
3. Select the “Camera settings” menu by pressing the arrow next to the camera you would like to configure.  
(if prompted Login with username: (default “admin”)  
Password: (default “leave blank”)
4. Select “Wi-Fi setting”
5. A list of available wireless networks will be displayed.
6. Select the wireless network you want to connect to (if not displayed press “”)
7. Enter the wireless encryption key and press “Done”
8. Disconnect the Ethernet cable to connect to the wireless network.

### 2.4.2 Connecting to Wi-Fi using the PC utility (windows).

1. Ensure the camera is connected to the network with a Ethernet cable.
2. Ensure the camera is added to the device list (see chapter 2.3)
3. Double click the camera in the camera list



4. The settings menu will be displayed
5. Go to the Menu option “WiFi”
6. If necessary enable the WiFi option by enabling the selection box “WiFi in use”
7. Click “Wi-Fi scan” to search for available wireless networks, please press refresh if your wireless network is not displayed (If device is just rebooted please be patient for the device to be ready to refresh the WIFI list).
8. Select the Wireless network you want to connect to.
9. Enter the Encryption settings and the WPA-PSK key of the wireless network
10. Click “Set”.
11. Disconnect the Ethernet cable to connect to the wireless network.

## 2.5 Mounting the camera on the wall

1. Once the camera is connected correctly with your computer, you can mount the camera on a wall or ceiling.
2. Use the mounting stand to mark the holes at the location where you want to mount the camera.
3. Drill the holes and fill the holes with the supplied plugs.
4. Mount the bracket stand to the wall or ceiling using the supplied screws. If the bracket is still attached to the camera, you can twist of the bracket again, in order to make mounting the screws easier.
5. Mount the camera on the bracket.
6. Connect the power supply into the wall socket and connect the power tip to the camera.

## 3.0 Viewing images

You can view the images both on your computer and on your smartphone screen, as we explain in the sections below.

Optionally, you can install the supplied software so you can find the camera directly with your computer and make recordings with your computer.

### 3.1 On your smartphone/tablet (Android, iPhone, iPad)

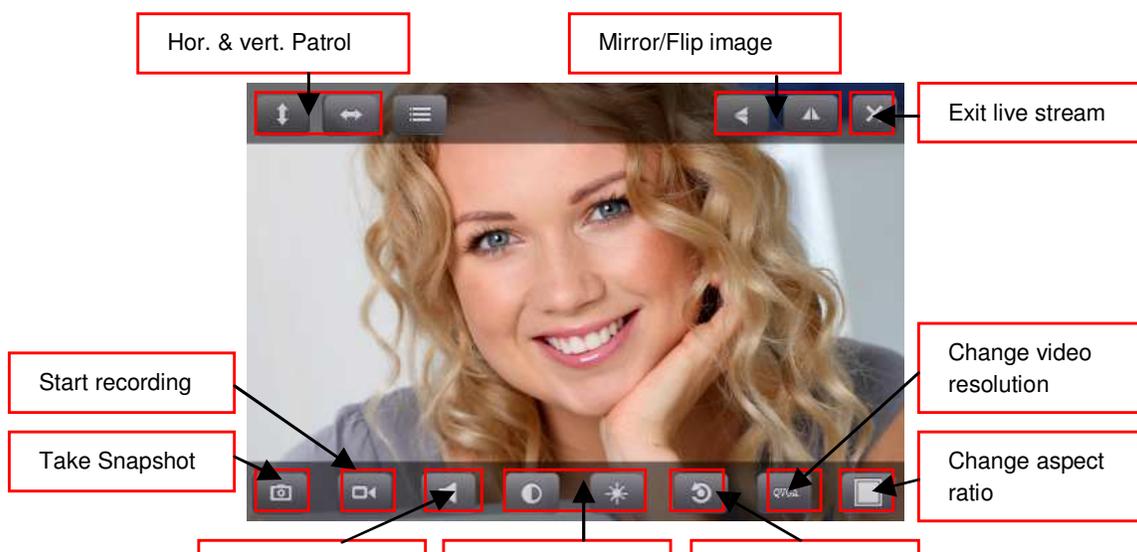
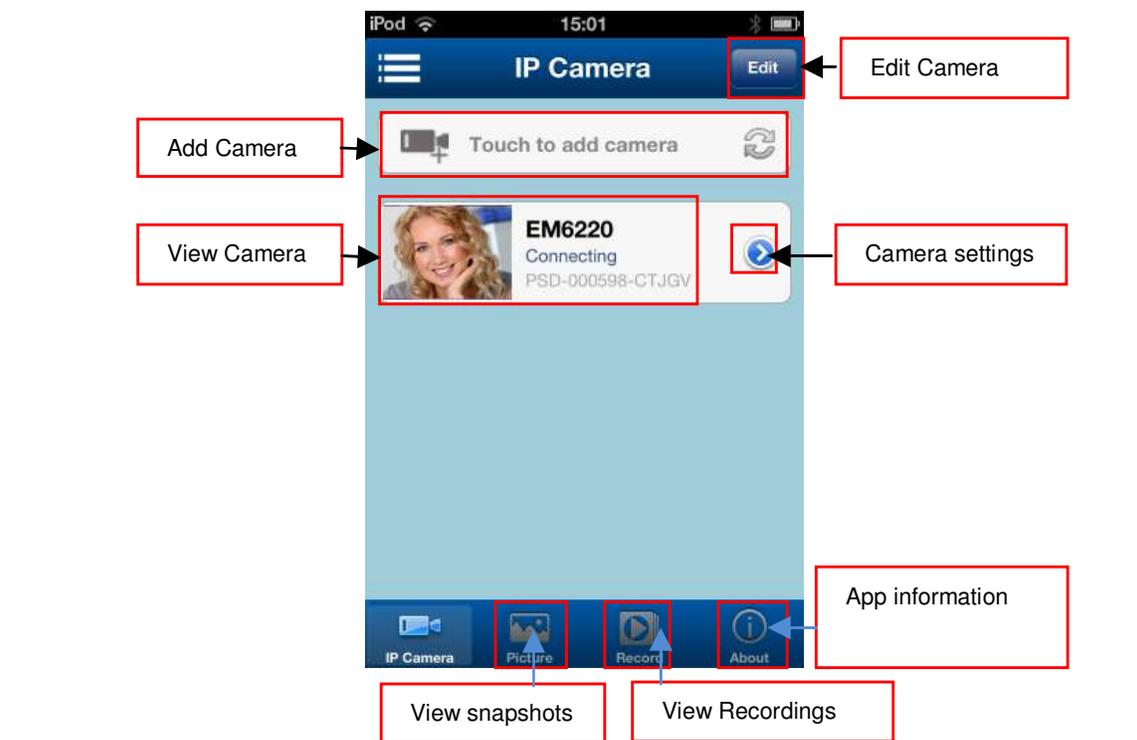
Start the App e-CamView press the camera-icon of the camera you wish to view. The device will start connecting with the camera and will show live images of the camera

### 3.2 On your PC (Windows) in a remote location.

After e-CamView software is installed, it's very easy to add a camera item in the "Camera List" folder of the e-CamView software, key in the CAM ID (from the bottom label or enclosed card). And then drag and drop the camera in the screen you wish to view the camera stream in. You will then see the Camera video immediately. No further NAT/router setting modifications are needed. The camera can be controlled remotely as well.

## 4.0 e-CamView for iPhone/iPad/Android

### 4.1 The Layout of e-CamView





## 4.2 WIFI setting

You can select if the camera will use a WiFi connection and what AP or Router it will connect to. Also you can set the encryption settings of the WiFi connection you wish to connect to.



## 4.3 User setting

Here you can change the user settings of the Camera.



iPod 15:01

Back User settings Done

Administrator

User Name admin

Pwd Input password

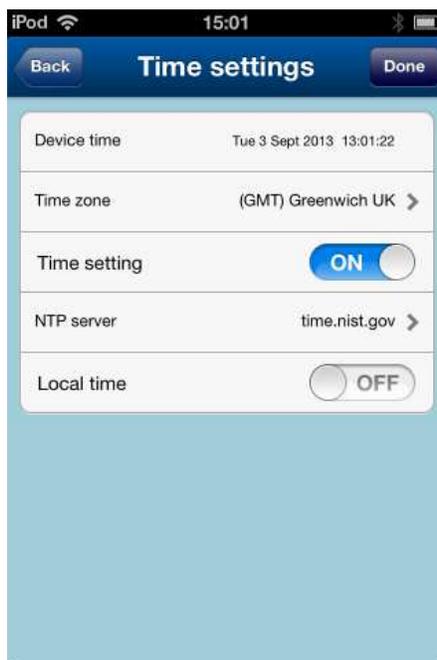
Operator

User Name Input user name

Pwd Input password

## 4.4 Time setting

Set the time and select the time zone or set the NTP server settings to sync with that server.



iPod 15:01

Back Time settings Done

Device time Tue 3 Sept 2013 13:01:22

Time zone (GMT) Greenwich UK >

Time setting ON

NTP server time.nist.gov >

Local time OFF

## 4.5 Alarm setting

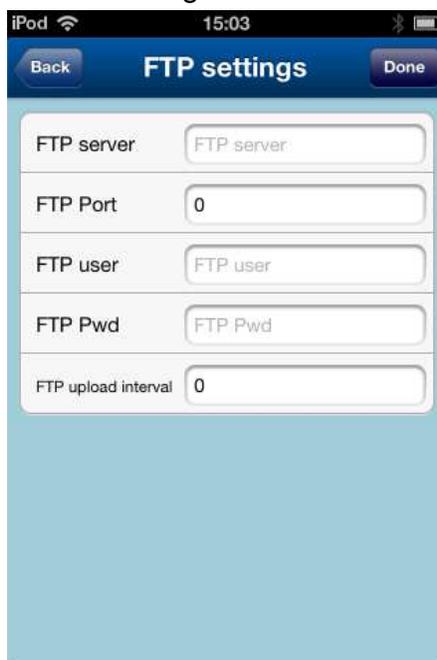
Here you can enable the Alarm, set the alarm triggers and events.



*Note: The feature IO alarm and IO alarm level is not supported by this device.*

## 4.6 FTP setting

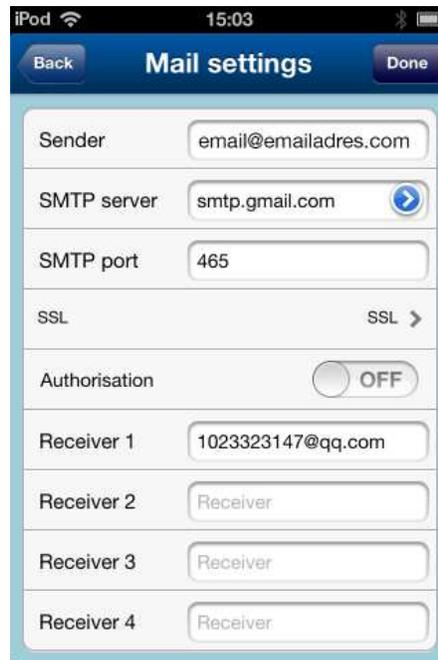
Here you can set your FTP server settings to enable recording to FTP server



*Note: If you wish to store in a specified folder please use the WebUI (see section 6.4)*

## 4.7 Mail setting

Here you can set your mail settings to enable the e-mail alarm notifications to the email addresses you have set.

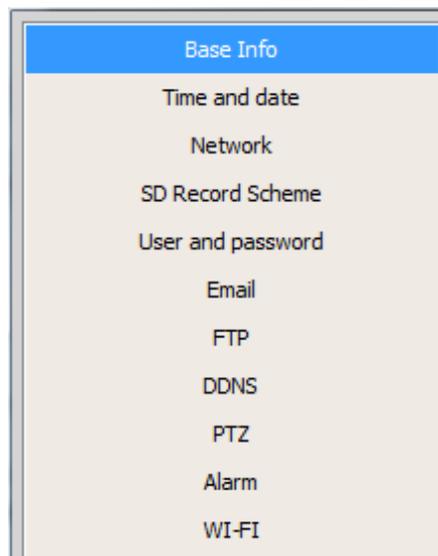
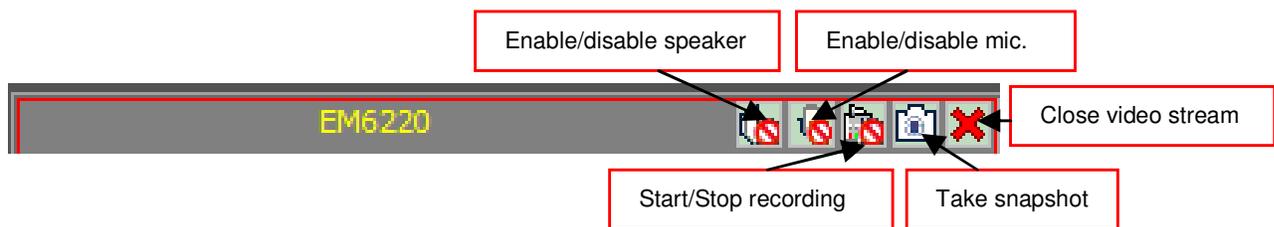
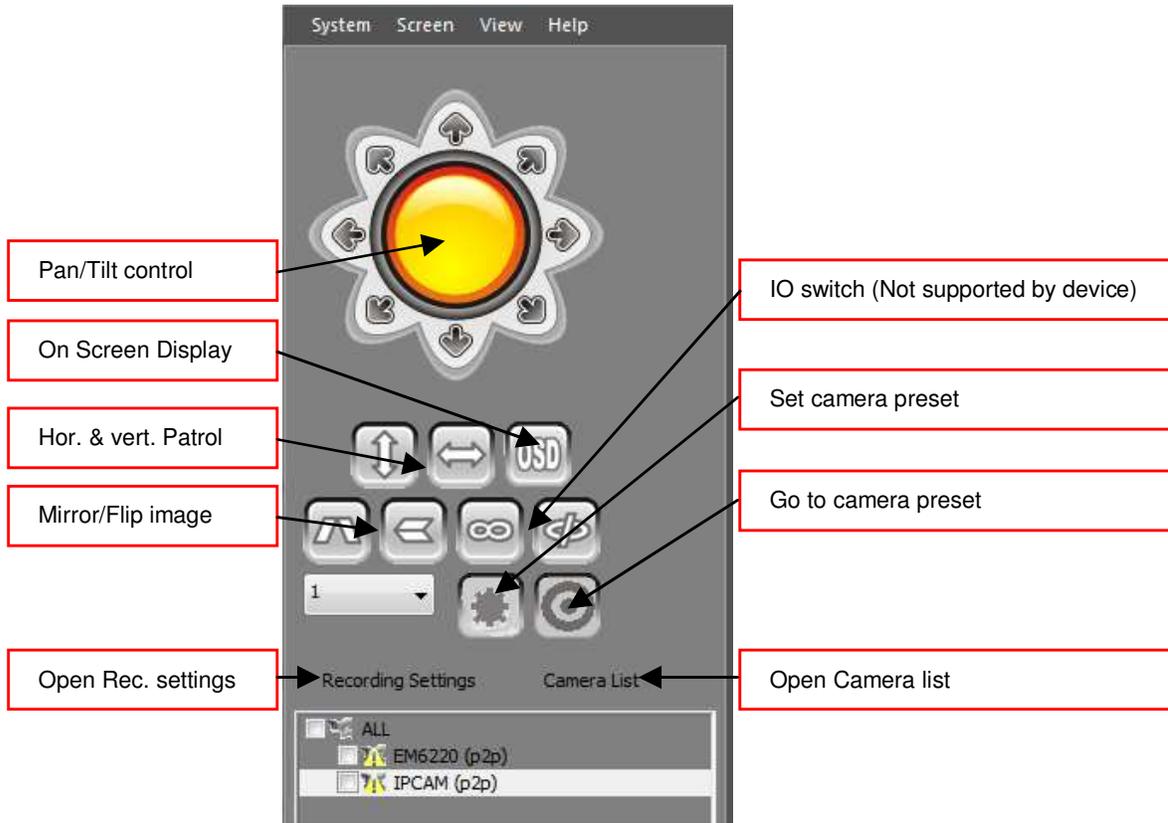


## 4.8 SD-card setting

*This feature is not supported by this device.*

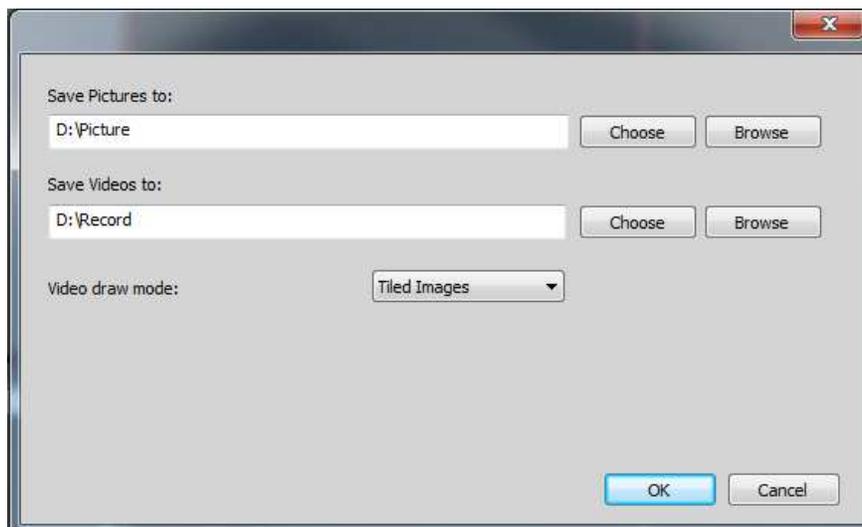
# 5.0 e-Cam-View for PC software

## 5.1 The layout of e-CamView



## 5.2 Recording settings

By default the camera saves the snapshot and recordings to the following path D:\Picture, D:\Record.



*Note: Please make sure the drive letter D:\ can be used for recording (HDD drive) if this is not the case please change the drive letter to the corresponding drive letter of the HDD drive.*

## 5.3 Base info

This option shows you an overview of the cameras status. Here you can also change the devices name.

Base Info		
Alias	EM6220	Set
Device Firmware Version	56.2.0.127	
Device ID	PSD-009257-RXBTC	
Alarm Status	No Action	
UPnP Status	No Action	
DDNS Status	No Action	
MAC	00:B0:10:00:3A:37	
WIFI MAC	00:B0:10:00:3A:38	

Get

## 5.4 Time setting

Set the time and select the time zone or set the NTP server settings to sync with that server.

Time and date

Device Clock Time	Tuesday 24 September, 2013 08:03:14
Device Clock Timezone	(GMT) Greenwich mean time London, Lisbon, Casablanca ▼
Sync with NTP Server	<input checked="" type="checkbox"/>
Ntp Server	time.nist.gov ▼
Sync with PC Time	Sync with PC Time

Set
Get

## 5.5 Network

This feature allows you to change the Network configuration manually after you uncheck the “Obtain IP from DHCP server”.

Network

Obtain IP from DHCP Server	<input checked="" type="checkbox"/>
IP Address	192 . 168 . 100 . 101
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 100 . 1
DNS Server 1	8 . 8 . 8 . 8
DNS Server 2	192 . 168 . 0 . 254
Http Port	81

Set
Get

## 5.6 SD record scheme

This feature is not supported by this device.

## 5.7 User and password

Here you can change the user settings of the Camera.

User and password

	User	Password	
Visitor	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="password"/>	<input type="checkbox"/> show password
Operator	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="password"/>	<input type="checkbox"/> show password
Administrator	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="admin"/>	<input style="width: 95%;" type="password"/>	<input type="checkbox"/> show password

## 5.8 Email setting

Here you can set your mail settings to enable the e-mail alarm notification and to send these notifications to the email addresses you have set.

Email

Sender	<input style="width: 95%;" type="text"/>	
SMTP Server	<input style="width: 95%;" type="text"/>	Please select: ▼
SMTP Port	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="0"/>	
Need Authentication	<input type="checkbox"/>	
SSL	<input style="width: 95%; border: 1px solid #ccc;" type="text" value="NONE"/>	▼
SMTP User	<input style="width: 95%;" type="text"/>	
SMTP Password	<input style="width: 95%;" type="password"/>	
Receiver	<input style="width: 95%;" type="text"/>	
Receiver	<input style="width: 95%;" type="text"/>	
Receiver	<input style="width: 95%;" type="text"/>	
Receiver	<input style="width: 95%;" type="text"/>	

## 5.9 FTP setting

Here you can set your FTP server settings to enable recording to FTP server

FTP

FTP Server	<input type="text"/>
FTP Port	<input type="text" value="0"/>
FTP User	<input type="text"/>
FTP Password	<input type="text"/>
Upload Interval (Seconds)	<input type="text" value="0"/>

*Note: If you wish to store in a specified folder please use the WebUI (see section 6.4)*

## 5.10 PTZ

Here you can set the Pan/Tilt: boot preset, Speed and the amount of cruise cycles

PTZ

against pre-bit	<input type="checkbox"/>
Call Preset on boot	<input type="text" value="none"/>
PTZ speed	<input type="text" value="Slow"/>
Cruise Views	<input type="text" value="none"/>

## 5.11 Alarm setting

Here you can enable the Alarm, set the alarm triggers and events.



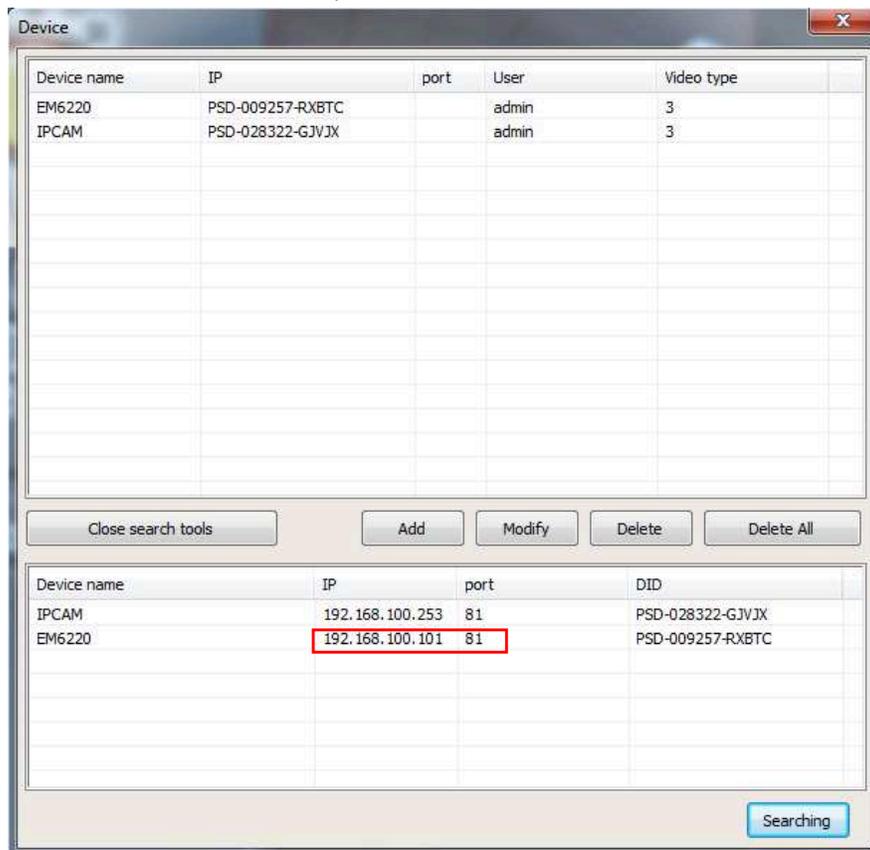
## 6.0 The webpage of the camera

The Eminent camera is also an IP camera with its own webpage. This means you can login to the webpage by using the camera's IP Address. Use the following steps to login to the webpage and change any of the camera settings.

In the section below, we assume you logged in using Internet Explorer. The menu will be slightly different when using another browser.

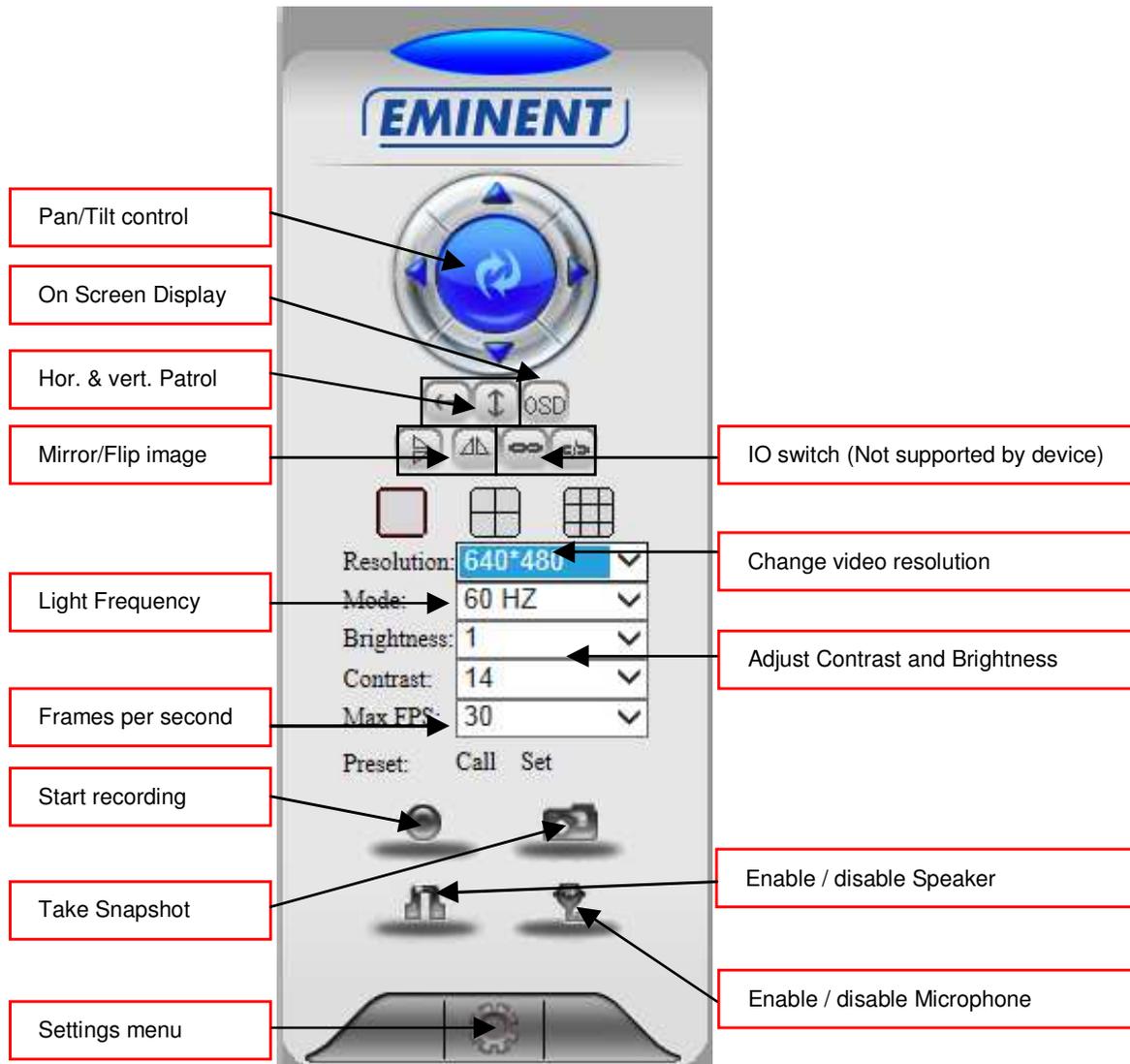
### 6.1 Login by Web browser

1. Ensure the camera is connected to the network.
2. Retrieve the camera's IP address and port setting (use the LAN search function of the APP or PC software)



3. Enter the IP address in the address bar of your web browser followed by : and port number e.g. 192.168.100.101:81
4. Login with user: admin  
Password: (Leave blank)

## 6.2 The layout of e-CamView



IP Camera Options	
<b>Device Info</b>	<b>Device Status</b>
Alias Settings	Device ID: PSD-009257-RXBTC
Date&Time Settings	Device Firmware Version: 56.2.0.127
Local record path	Device Embedded Web UI Version: Eminent
Users Settings	Alias: EM6220
Multi-Device Settings	Alarm Status: None
Basic Network Settings	DDNS Status: No Action
Wireless Lan Settings	UPnP Status: UPnP Succeed
DDNS Service Settings	MAC: 00:B0:10:00:3A:37
Mail Service Settings	WIFIMAC: 00:B0:10:00:3A:38
Ftp Service Settings	Language: English
Alarm Service Settings	<input type="button" value="Refresh"/>
PTZ Settings	
Alarm Log	
Maintenance	
<b>Back</b>	

The menu options are the same as the settings menu of the PC software with the exception of Multi Device settings, FTP service settings, Alarm log and Maintenance.

## 6.3 Multi device settings

This option will allow you to add additional cameras to the WebUI overview.

Multi-Device Settings	
Device List in Lan	<input type="button" value="Refresh"/>
The 1st Device	This Device
The 2nd Device	None
The 3rd Device	None
The 4th Device	None
The 5th Device	None
The 6th Device	None
The 7th Device	None
The 8th Device	None
The 9th Device	None
attention: If you want to access the device from internet, be sure the host and port that you set can be accessed from internet.	
<input type="button" value="Set"/> <input type="button" value="Refresh"/>	

The 2nd Device	None
Alias	<input type="text" value="EM6220"/>
Host	<input type="text" value="192.168.100.101"/>
Http Port	<input type="text" value="81"/>
User:	<input type="text" value="admin"/> <input type="button" value="x"/>
Password:	<input type="password"/>
<input type="button" value="Add"/> <input type="button" value="Remove"/>	

To add a camera use the IP and port number of the camera you wish to add.

## 6.4 FTP setting

Here you can enter the settings of your FTP server.

*Note: If you wish to store the snapshots in a predefined folder on your FTP server, please use this option since the APP does not support this extra feature. Enter the folder name in the "FTP Upload Folder" field and press "set" then press "test" to test if the folder is created successfully.*

IP Camera Options	
Device Info	<b>Ftp Service Settings</b>
Alias Settings	FTP Server <input type="text" value="192.168.8.10"/>
Date& Time Settings	FTP Port <input type="text" value="21"/>
Local record path	FTP User <input type="text" value="test"/>
Users Settings	FTP Password <input type="password" value="....."/>
Multi-Device Settings	Upload Interval (Seconds) <input type="text" value="0"/> Empty or 0 means do not upload pictures
Basic Network Settings	FTP Upload Folder <input type="text" value="EM6220"/>
Wireless Lan Settings	<input type="button" value="Test"/> Please set at first, and then test.
DDNS Service Settings	<input type="button" value="Set"/> <input type="button" value="Refresh"/>
Mail Service Settings	
Ftp Service Settings	
Alarm Service Settings	
PTZ Settings	
Alarm Log	
Maintenance	
Back	

## 6.5 Alarm log

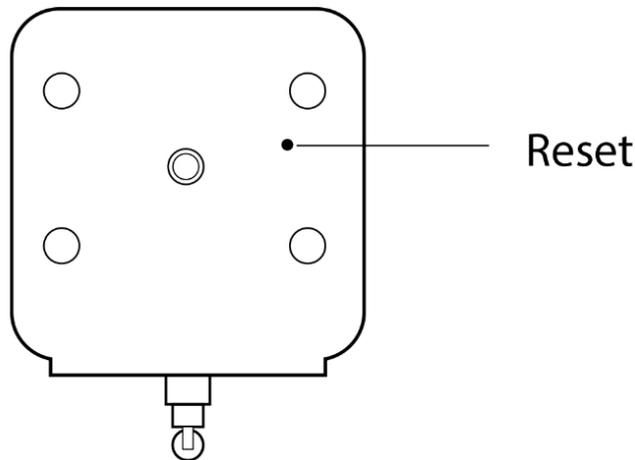
This log file will keep record of all alarm events of the camera.

## 6.6 Maintenance

This menu option provides the possibility to reboot the device, restore factory defaults or update the firmware.

## 7.0 Restore factory settings

For some reason, for example you forgot the web login password, you may want to set the EM6220 to the factory default settings. The only thing you need to do is using a stick to press the “reset” button on the bottom of the EM6220 body for more than 15 seconds and release it, do this when the EM6220 is powered on. The EM6220 will reset to the factory default settings and restart automatically.



## 8.0 Upgrade Device Firmware

If there is a new firmware available for the EM6220, you can upgrade the firmware via the Web UI Maintenance page. A status message about the percentage done in the upgrade procedure is displayed. Please note: do not power off the EM6220 during the upgrade procedure. After the upgrade procedure is finished, the system will restart automatically.

For more information about firmware upgrade please see the manual enclosed with the firmware.

## 9.0 Frequently Asked Questions and other related information

The latest Frequently asked questions for your product can be found on the support page of your product. Eminent will update these pages frequently to assure you have

the most recent information. Visit [www.eminent-online.com](http://www.eminent-online.com) for more information about your product.

## 10.0 Service and support

This users manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please fill out the support form at the website [www.eminent-online.com/support](http://www.eminent-online.com/support).

You can also contact us by phone. Below you will find a list with phone numbers for each supported country.

<b>Country</b>	<b>Phone number</b>	<b>Rate per minute*</b>
Belgium (Dutch)	070 277 286	€0.30
Belgium (French)	070 277 286	€0.30
Denmark	+45 69918565	Local Costs
Finland	+35 8942415826	Local Costs
Germany	+49 (0)30 887 89 298	Local Costs
Italy	+39 0240042016	Local Costs
Norway	+47 21075033	Local Costs
Spain	807 080 042	€0.41
Sweden	+46 840 309985	Local Costs
The Netherlands	0900-3646368	€0.45
UK	+44 (0)203 318 9998	Local Costs
Hungary	1-4088902 (From Budapest)	Local Costs
Hungary	06-1-4088902 (From the rest of Hungary)	Local Costs
Hungary	+36 1-4088902 (International)	Local Costs

\* Rates mentioned in this table do not include cell phone charges.

## 11.0 Warning and points of attention



Due to laws, directives and regulations set out by the European parliament, some (wireless) devices could be subject to limitations concerning its use in certain European member states. In certain European member states the use of such devices could be prohibited. Contact your (local) government for more information about this limitations.

Always follow up the instructions in the manual\*, especially where it concerns devices which need to be assembled.

Warning: In most cases this concerns an electronic device. Wrong/improper use may lead to (severe) injuries!

Repairing of the device should be done by qualified Eminent staff. The warranty immediately voids when products have undergone self repair and/or by misuse. For extended warranty conditions, please visit our website at [www.eminent-online.com/warranty](http://www.eminent-online.com/warranty).

*\*Tip: Eminent manuals are written with great care. However, due to new technological developments it can happen that a printed manual does not longer contain the most recent information.*

*If you are experiencing any problems with the printed manual or you can not find what you are looking for, please always check our website [www.eminent-online.com](http://www.eminent-online.com) first for the newest updated manual.*

*Also, you will find frequently asked questions in the FAQ section. It is highly recommended to consult the FAQ section. Very often the answer to your questions will be found here.*

## 12.0 Warranty conditions

The five-year Eminent warranty applies to all Eminent products, unless mentioned otherwise before or during the moment of purchase. After buying a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's initial owner. Eminent warranty applies to all Eminent products and parts, indissolubly connected or mounted to the product it concerns. Power supply adapters, batteries, antennas and all other products not directly integrated in or connected to the main product or products of which, without reasonable doubt, can be assumed that wear and tear during use will show a different pattern than the main product, are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences or when opening the service parts of the product by parties other than Eminent. Eminent may use refurbished materials for repair or replacement of your defective product. Eminent cannot be held responsible for changes in network settings by internet providers. We cannot guarantee that the Eminent networking product will keep working when settings are changed by the internet providers. Eminent cannot guarantee the working of web services, apps and other third party content that is available through Eminent products. Eminent products with an internal hard disk have a limited warranty period of two years on the hard disk. Eminent could not be held responsible for any data lost. Please make sure that if the product stores data on a hard drive or other memory source, you will make a copy before you return the product for repair.

### **When my product gets defective**

Should you encounter a product rendered defective for reasons other than described above: Please contact your point of purchase for taking care of your defective product.

## 13.0 Declaration of Conformity

# CE COMPLIANCE DECLARATION OF CONFORMITY

Application of Council Directives:

Manufacturer's Name: Eminent

Type of Equipment: IP Camera  
Apparatus

Equipment Class: Commercial, Light Industrial, Consumer

PRODUCTNUMBER:  
EM6220 e-CamView Pan/Tilt IP Camera

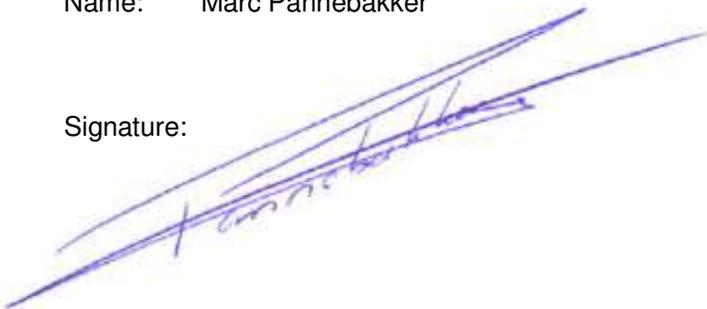
Conforms to the following standards: EN 60950-1:2006+A11:2009+A1:2010+A12:2011  
EN 62311:2008  
ETSI EN 301 489 -1 V1.9.2 (2011-09)  
ETSI EN 301 489-17 V2.2.1 (2012-09)  
ETSI EN 300 328 V1.7.1 (2006-10)  
EPA3050B:19996, EN1122:2001, EPA3052:1996,  
EPA3060A, EPA7196, EPA3540C, EPA8270C

Manufactured from: 06-24-2013

I, the undersigned, hereby declare that the equipment Conforms with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC) and to the above standards.

Place: Barneveld, The Netherlands  
Date: 06-24-2013  
Name: Marc Pannebakker

Signature:



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