



**EM6331**

**CamLine Pro Pan/Tilt Full HD IP camera**

**en**

Manual

# EM6331 – CamLine Pro Pan/Tilt Full HD 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 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 Packing contents

The following parts need to be present in the packing:

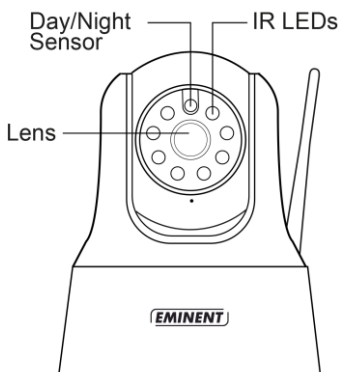
- EM6331
- Power supply
- Quick install guide
- Network cable
- Mounting bracket with screws and plugs
- Window sticker
- ID/Password card

## 1.2 Requirements to access the camera.

It is very easy to access the video images of the EM6331 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.

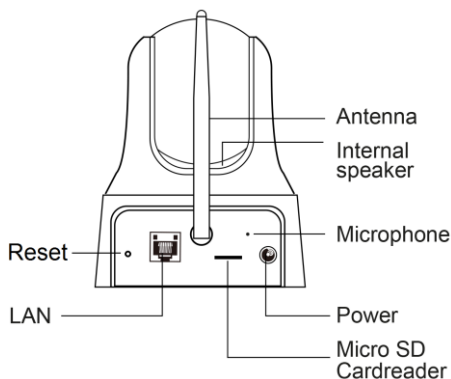
## 1.3 Hardware components.

The major components on the front panel of the EM6331 are:



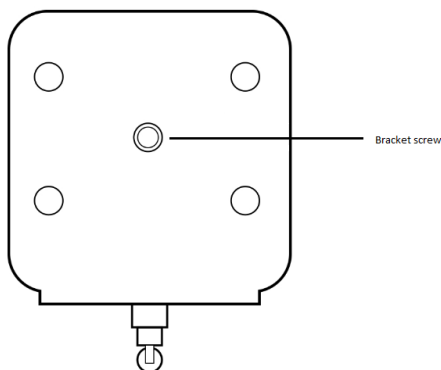
1. Lens – the lens is inside the camera body and the focus of the lens is fixed, you do not need to spend time to adjust the focus.
2. IR LED – for the Infra-Red lighting of the night mode usage.
3. Day/Night sensor – sensor for day/night detection

The major components on the back panel of the EM6331 are:



1. Power jack – this is the place to plug in the power adapter. The power needed for this EM6331 is 5V/2A, please make sure you are using the correct power adapter.
2. Microphone – for receiving the audio/voice.
3. Micro SD-Card reader
4. WiFi antenna
5. Ethernet jack – this is the place to plug in the RJ45 Ethernet cable.
6. Reset button – this is the button to reset the EM6331 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 7.0 for more details.
7. Internal Speaker

The major components on the bottom of the EM6331 are:



1. Bracket screw – this is the position to screw in the bracket of the EM6331. With the bracket, you can install the EM6331 on the wall.

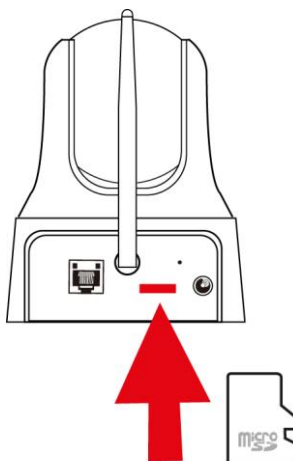
## 2.0 Installing the camera

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 micro SD-Card installation

The video streams can be recorded and be stored onto an internal micro SD-Card.

To install the micro SD-Card insert the micro SD-card into the Micro SD-card reader at the back of the camera.



*Note: When you plug in the micro SD-card while the camera is powered, please reboot the camera for the micro SD-card to work properly.*

### 2.2 Mounting the camera on the wall

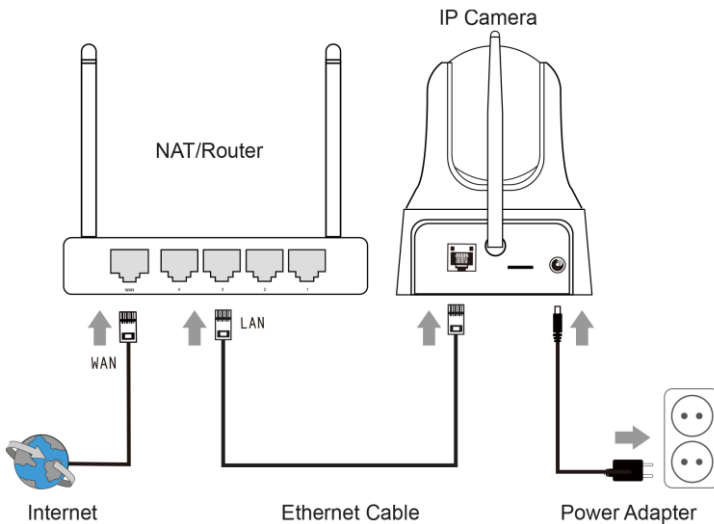
1. Once the camera is connected correctly with your computer, you can mount the camera on a wall or ceiling.
2. Use the mounting stand to mark the holes at the location where you want to mount the camera.
3. Drill the holes and fill the holes with the supplied plugs.
4. Mount the bracket stand to the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

## 2.3 Connecting the camera to your network using a network cable

*This step can be skipped if you wish to configure the camera using the WiFi smart config.*

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 a router or switch using the supplied network cable.



## 2.4 Installing the CamLine Pro App on an Apple/Android device

The EM6331 can be controlled and configured by using the “CamLine Pro” APP. Search for the CamLine Pro APP in the Apple App-store or in the Google Play Store. Download and install the APP on your phone/tablet.



## 2.5 Installing/removing the camera in the APP on Apple/Android device

1. Open “CamLine Pro”.



2. Select the “+” (A).
3. Choose for option 1, 2 or 3 (B) the option that matches the best with your setup situation and press “Add camera”.
4. Follow the instructions on the screen
5. Press “Add” to add the camera.

### 2.5.1 Delete the camera from the camera list

On iOS:

1. To delete a camera from the camera list. Press the menu button in the upper left corner and select “Camera list”.
2. Slide the camera you wish to delete from right to left, the “Delete” button will appear.



3. Press the **"Delete"** button to remove the camera from the list.

On Android:

1. To delete a camera from the camera list. Press the menu button in the upper left corner and select **"Camera list"**.
2. Press **"Edit"**.
3. A button will appear next to the camera.
4. Press the button next to the camera to delete the camera from the camera list

### 2.5.2 Remove the video stream from the camera overview in the main screen

When you wish to remove a video stream from the main screen press the  icon from the video stream you wish to remove and press  to remove the video stream from the main screen.

## 2.6 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 "CamLine Pro".

1. Download the PC software from our website [www.eminent-online.com](http://www.eminent-online.com)
2. Unzip the file on your windows PC
3. Click the file setup.exe
4. Run the wizard to install the application CamLine Pro.
5. The application is installed on the PC
6. Open **"CamLine Pro"**. (If prompted with a screen about the firewall click "always allow").
7. A pop-up screen will appear to enter the user credentials. Default user = admin, default password = admin
8. Click the icon  to add the camera
9. Give the camera you wish to add a name for example "Living room".
10. To add the camera manually enter the camera ID located on the ID/password card (proceed with step 13).
11. If the computer and the EM6331 is connected to the same network, the Camera can be added by clicking **"LAN search"**.
12. The ID of the camera located on the Camera ID card or the bottom label will appear in the camera list and can now be selected.
13. Press **"OK"**.
14. The default password entered by the PC software is "ipcam" select the password field and change the password to match the password located on the Camera ID card and press **"OK"**.



## 2.7 Adding the camera to a wireless network

There are 3 options to connect the EM6331 to your wireless network. First option is to configure the settings by using the WiFi smart configuration, the APP settings and the third option with the PC (Windows) software settings.

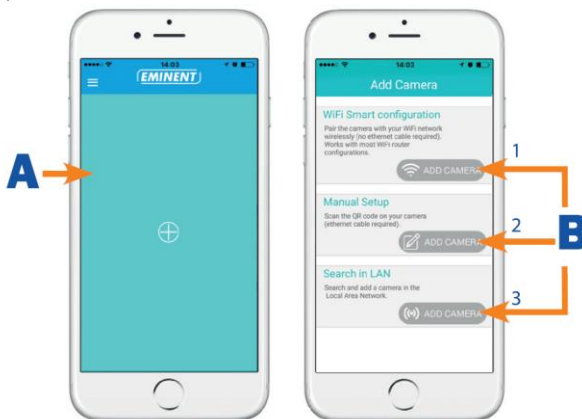
*Note: The device will reboot if necessary followed by calibration of the camera.*

### 2.7.1 Connecting to Wi-Fi using the WiFi smart configuration.

This function is only available when the camera is used for the first time or after a factory reset.

*Note: Make sure your smartphone/tablet is connected to the same WiFi network as the WiFi you wish to connect the camera too (make sure this is a 2,4GHz WiFi network)*

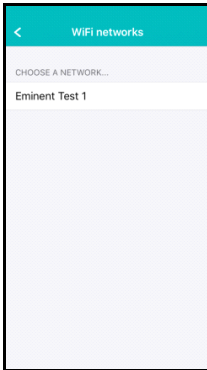
Open the APP "CamLine Pro".



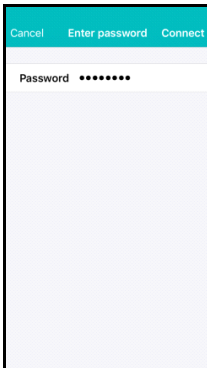
Follow the instructions on the screen.

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

1. Ensure the camera is connected to the network with an Ethernet cable.
2. Start the App “**CamLine Pro**”.
3. Make sure the camera you wish to configure to connect to the WiFi is already added to the camera list and is already listed in the camera overview.
4. Open the menu of the camera by pressing the  button in the camera you wish to add to the WiFi network.
5. Press .
6. Select “**Advanced settings**”.
7. Select “**WiFi**”.



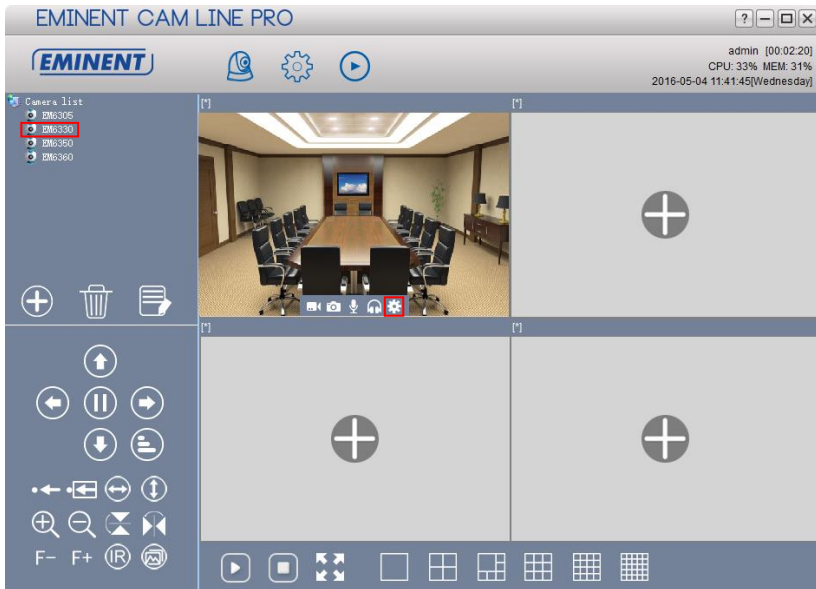
8. A list of available WiFi networks is displayed.
9. Select the WiFi network you wish to connect to.



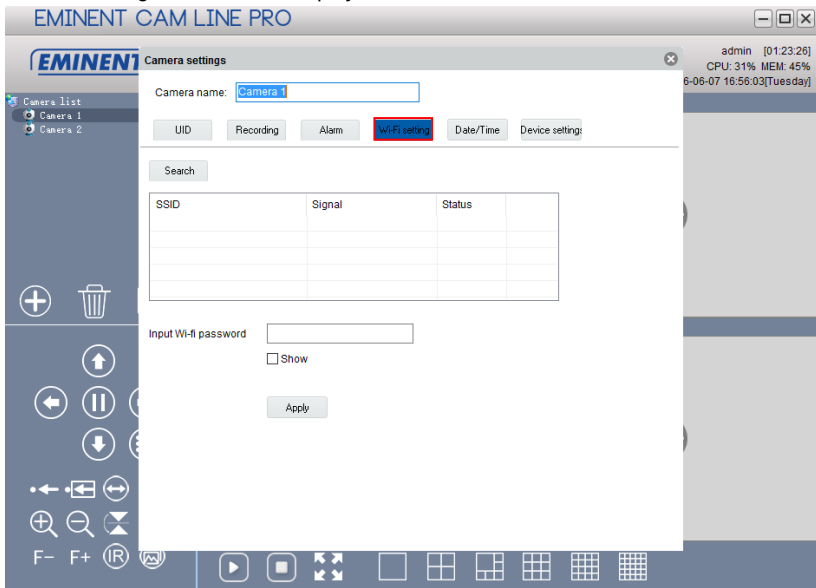
10. Enter the wireless encryption key and press “**Connect**”
11. To activate the WiFi connection disconnect the Ethernet cable.

### 2.7.3 Connecting to WiFi using the PC utility (windows).

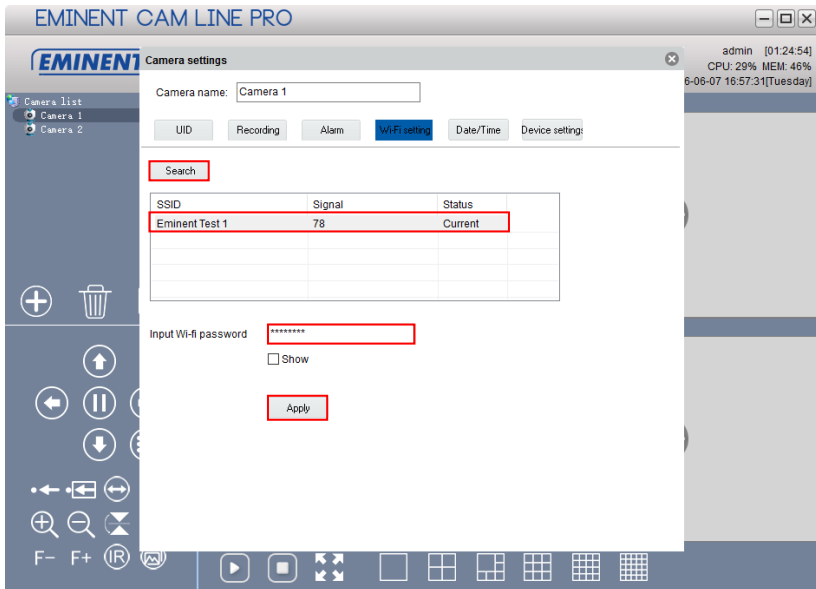
1. Ensure the camera is connected to the network with an Ethernet cable.
2. Ensure the camera is added to the device list (see chapter 2.6)



3. Select the camera in the camera list
4. Press  from the camera view of the camera you wish to connect to the WiFi connection.
5. The settings menu will be displayed



6. Go to the Menu option "Wi-Fi setting"



7. Click **“Search”** to search for available wireless networks.
8. Select the WiFi connection you wish to connect your camera to (if the camera is recently restarted please be patient and wait for the Wireless connection to be displayed by repeatedly pressing **“Search”**).
9. Enter the Encryption settings and the WPA-PSK key of the wireless network
10. Click **“Apply”**.
11. Disconnect the Ethernet cable to connect to the wireless network.

## 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)

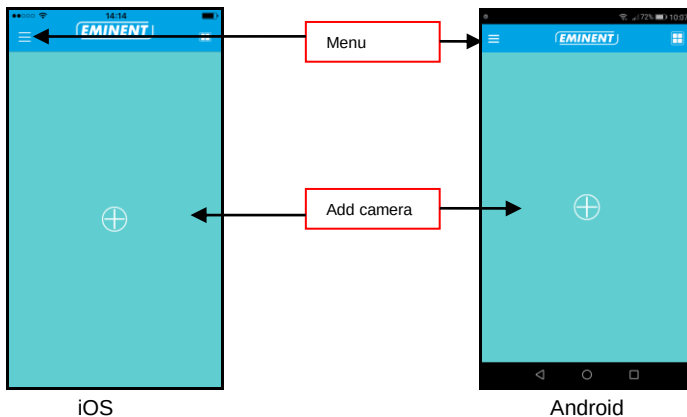
Start the App CamLine Pro, press the camera view of the camera you wish to view/control from the 4-camera view. The device will start connecting with the camera and will show live images of the camera including the camera control buttons. If the smartphone is rotated to landscape the video stream will be displayed in Full-screen (rotation feature of the smartphone needs to be enabled).

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

After CamLine Pro software is installed, it's very easy to add a camera into the camera list of the CamLine Pro software, press the “+” button, key in the CAM ID and password (from the ID/Password Card) and press “OK”. The camera will be added to the camera list. To view the stream, select and drag and drop the camera in the screen you wish to display the stream of the camera. You will then see the video stream immediately. No further NAT/router setting modifications are needed. The camera can be controlled remotely as well.

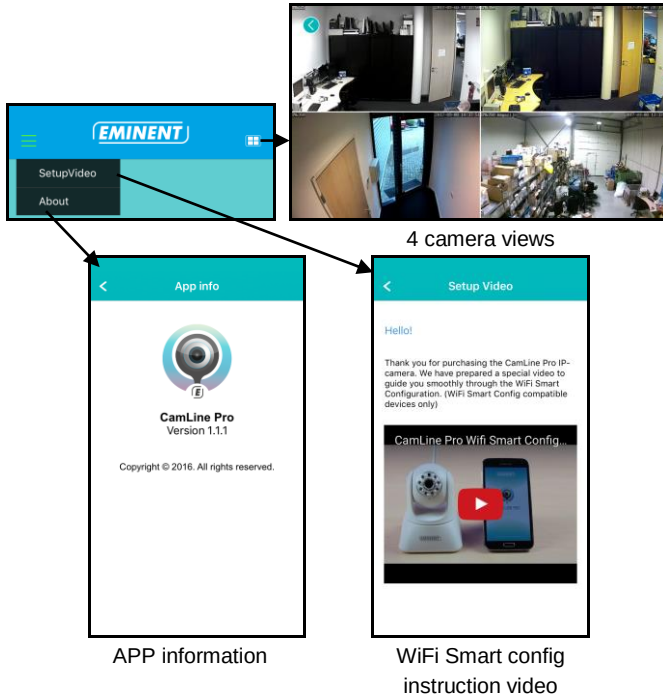
## 4.0 CamLine Pro for iPhone/iPad/Android

### 4.1 The layout of CamLine Pro

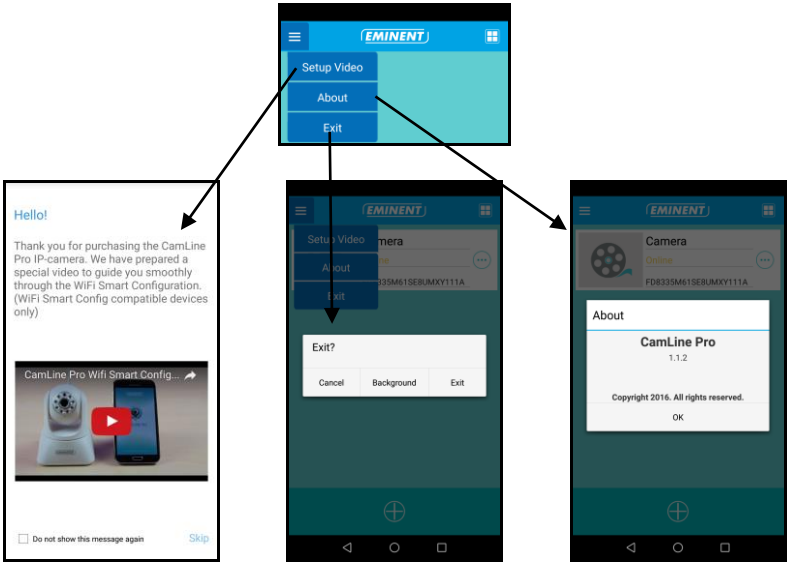


## 4.2 Menu of the app

iOS

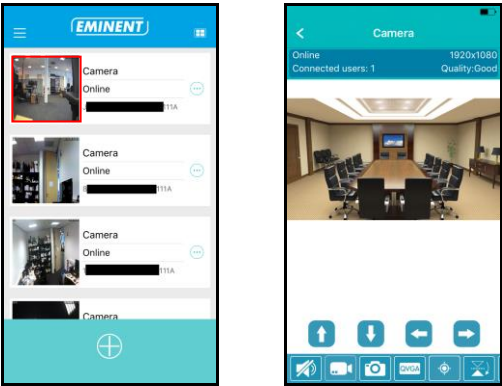


Android



4.3 Overview and control of the camera

Portrait view





## Landscape view



Press the currently displayed stream to get more options

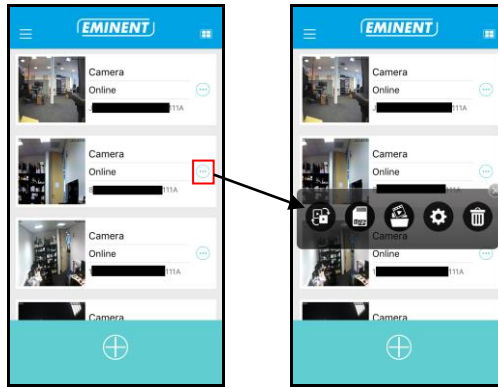


Option overview (swipe to the left to view all available options)

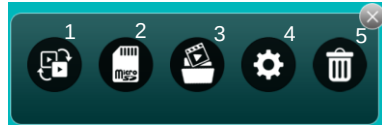


1. Mute
2. Record video (locally)
3. Take snapshot (locally)
4. Change video quality
5. Manage camera pre-sets
6. Mirror horizontally
7. Mirror vertically
8. Change the environments frequency
9. Optical zoom + (only available for certain models)
10. Optical zoom - (only available for certain models)
11. Change the contrast
12. Change clearance
13. Manage IR LED switch
14. Restore default camera settings

## 4.4 Settings of the camera

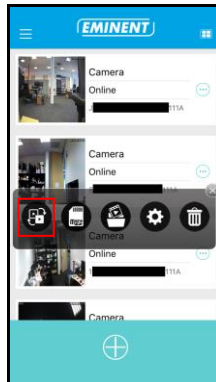


1. Move camera to the top of the camera list
2. View recordings stored on the SD-card
3. View recordings stored locally
4. Camera settings
5. Remove camera from overview

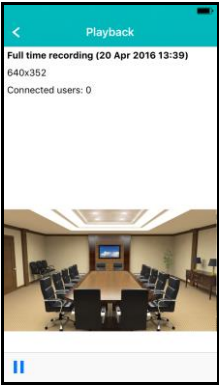
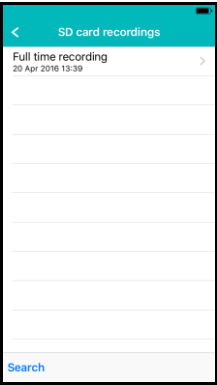
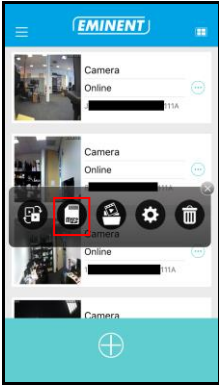


### 4.4.1 Move camera to the top of the camera list

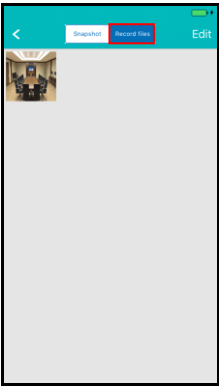
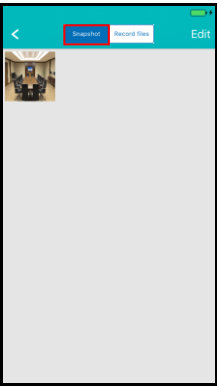
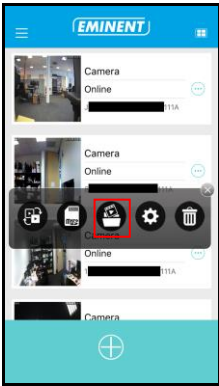
Using this option, you can move the selected camera to the top of the camera list.



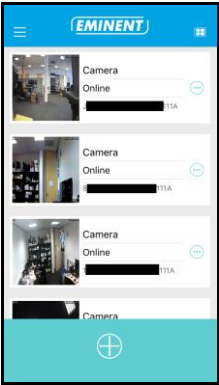
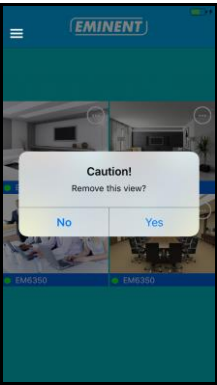
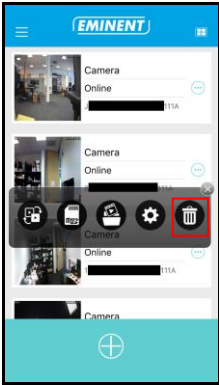
4.4.2 View recordings stored on the SD-card



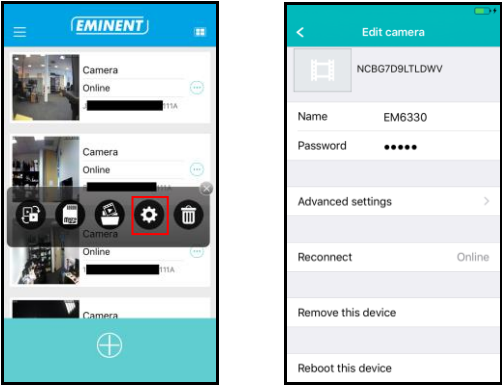
4.4.3 View recordings stored on the locally



4.4.4 Remove camera from overview

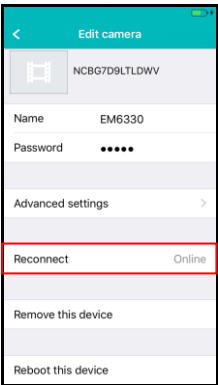


4.4.5 Camera settings

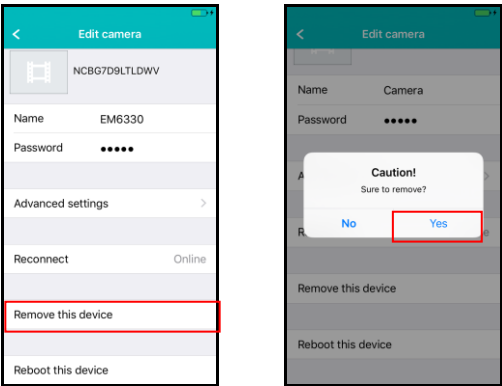


4.5 Camera settings

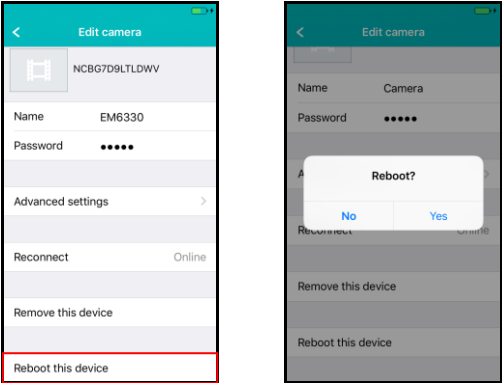
4.5.1 Reconnect



4.5.2 Remove this device



4.5.3 Reboot this device

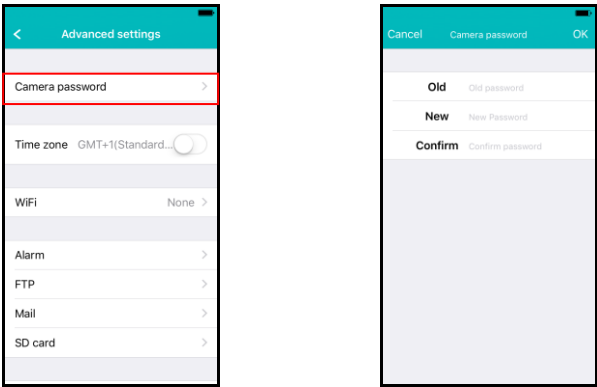


4.6 Advanced settings

The settings of the camera are available in the menu option “Advanced settings”.

4.6.1 Camera password

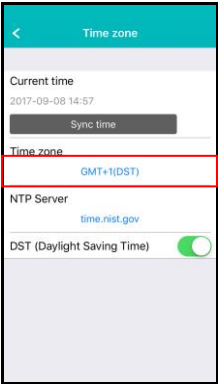
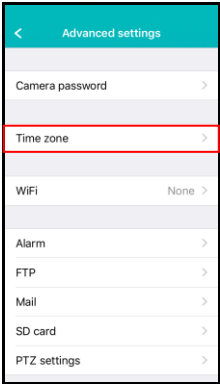
Here you can change the password of the camera.



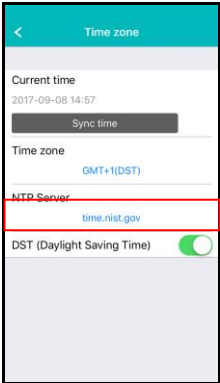
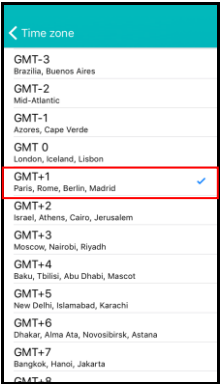
Set new password

4.6.2 Time zone settings

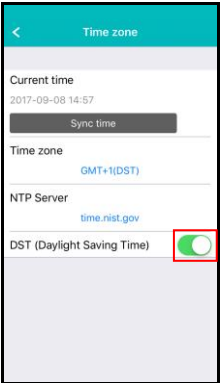
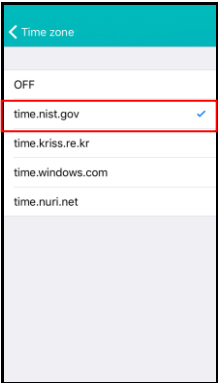
Here you can change the time zone settings and DST (summertime).



Select time zone



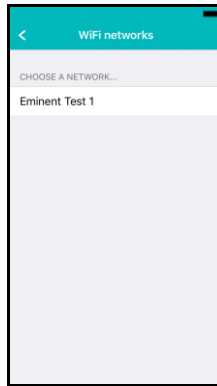
Select time server



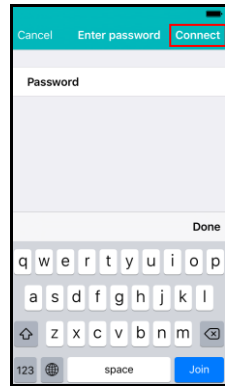
Enable DST (summertime)

### 4.6.3 WiFi

Here you can set the WiFi settings for your CamLine Pro camera to connect to your WiFi Router/AP.



Select WiFi network

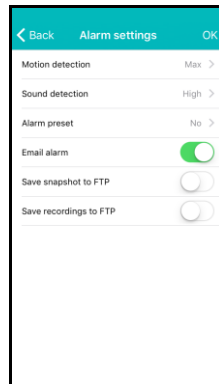
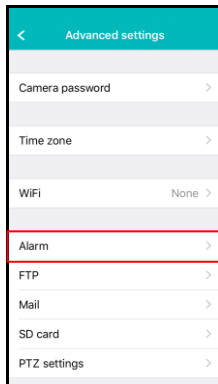


Enter WiFi password

### 4.6.4 Alarm settings

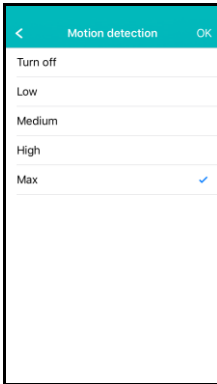
Manage the Alarm settings.

iOS

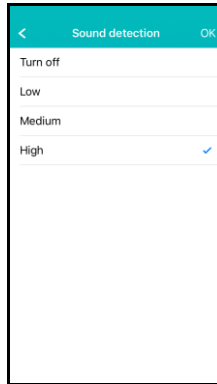


Enable/disable the motion detector.

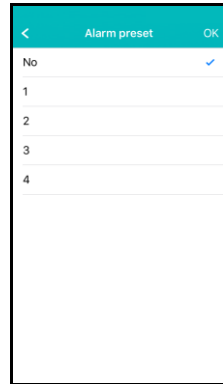
Select the event after an event has been triggered.



Change the sensitivity of the motion detection.

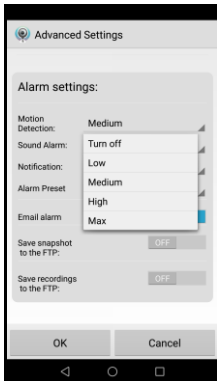


Change the sensitivity of the sound detection.

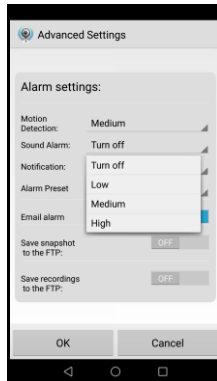


Select a Camera preset to point the camera at after an event.

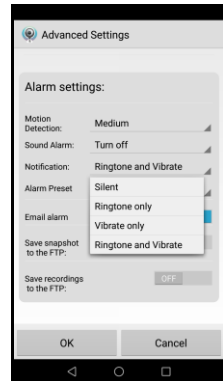
## Android



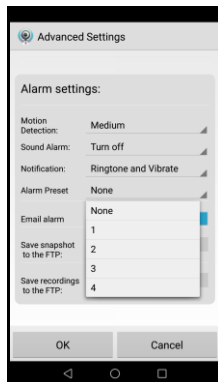
Set the motion detect sensitivity



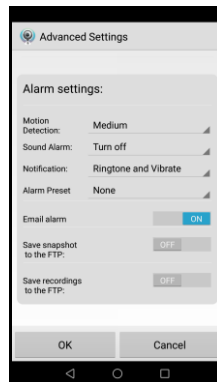
Set the sound detect sensitivity



Configure the phones notification to silent, ringtone, vibrate or Ringtone and vibrate.



Select a preset for the camera to go to if motion is detected.

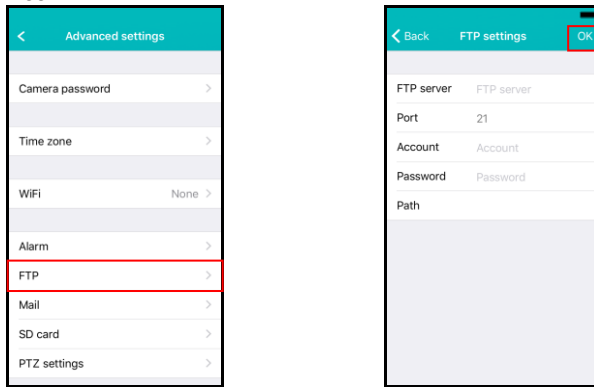


Set what the camera should do on an alarm event: send e-mail, save snapshot to FTP server, save video to FTP server



#### 4.6.5 FTP settings

Set the FTP server settings for the camera to store the snapshots and recordings after an alarm is triggered.



Ftp-server settings

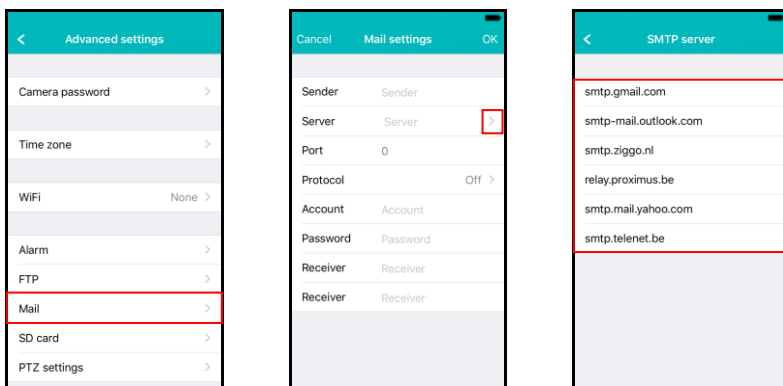
#### 4.6.6 Mail settings

Set the server settings for your e-mail server for the camera to be able to send an e-mail on an alarm event.

Eminent has added popular e-mail servers to the predefined SMTP server list.

If you wish to use one of the following email providers, you can use the “>” at the server option and select the corresponding mail provider from the list.

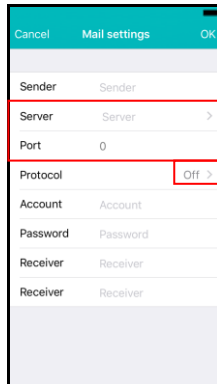
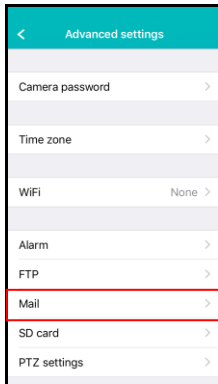
Gmail.com, Outlook.com (Live, Hotmail), Ziggo.nl, Proximus.be (skynet.be, belgacom.be), Yahoo.com, Telenet.be



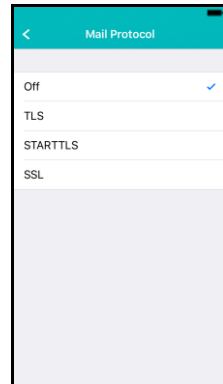
Pre-defined e-mail providers to choose from

The server settings will be entered you still need to enter the displayed sender address, your e-mail user account, password and the recipient e-mail address and press **“OK”**

If the e-mail provider is not listed, you will need to set the server settings manually.



Enter the e-mail providers SMTP settings. If your email server requires a certain protocol, select **“>”** next to the option protocol

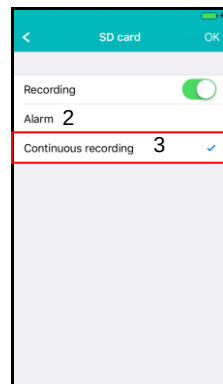
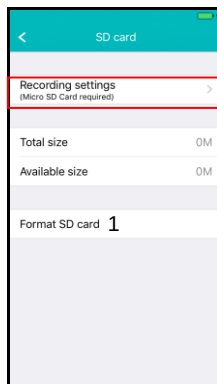


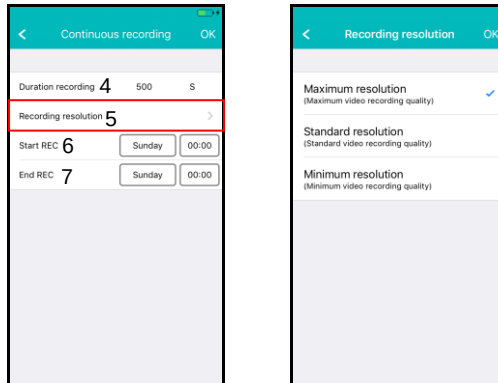
Select the corresponding e-mail protocol for your e-mail provider.

The server settings will be entered you still need to enter the displayed sender address, your e-mail user account, password and the recipient e-mail address and press **“OK”**

#### 4.6.7 SD card settings

Set the SD card recording settings, Check the amount of available storage capacity on the SD card and format your SD card.

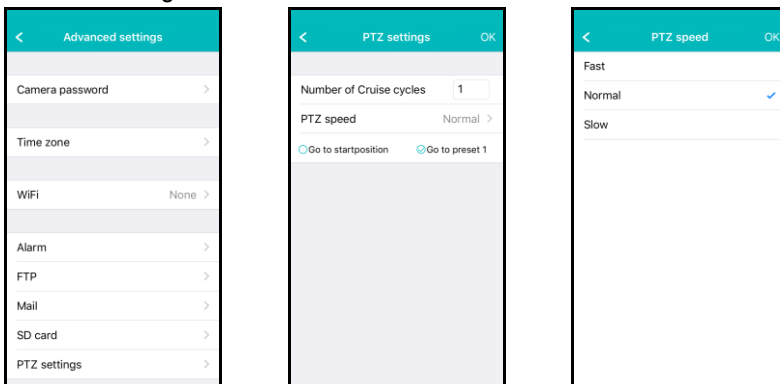




The following recording settings are available:

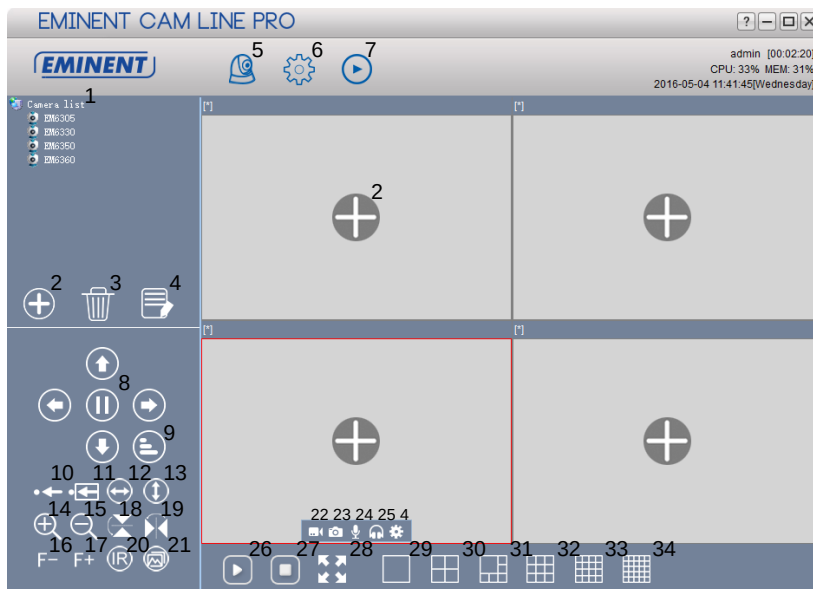
1. Format SD card: The SD card will be formatted (all data and recordings will be erased).
2. Alarm: The camera will start recording to the SD-card on an alarm event (Motion detection needs to be enabled).
3. Continuous recording: The camera will keep recording continuously to the SD card if the SD card is full the camera will overwrite the oldest recording.
4. Duration recording: Determine the length of the recording per file (values are in seconds).
5. Recording resolution: Set the resolution used for the recording. (Higher resolution will require more SD card capacity).
6. Start REC: Determine a specific time to start recording to the SD card.
7. End REC: Determine a specific time to stop recording to the SD card.

#### 4.6.8 PTZ settings



## 5.0 CamLine Pro PC software

### 5.1 The overview of the CamLine Pro PC software



|                                                  |                               |
|--------------------------------------------------|-------------------------------|
| 1. Camera list                                   | 18. Horizontal mirroring      |
| 2. Add Camera                                    | 19. Vertical mirroring        |
| 3. Delete camera                                 | 20. IR LED control            |
| 4. Camera settings                               | 21. Video quality             |
| 5. Camera view                                   | 22. Start/Stop recording      |
| 6. Software settings                             | 23. Take Snapshot             |
| 7. Playback recordings                           | 24. Enable/disable microphone |
| 8. Pan/Tilt control                              | 25. Enable/disable speaker    |
| 9. Pan/Tilt speed                                | 26. Open all streams          |
| 10. Save pre-set                                 | 27. Close all streams         |
| 11. Go to pre-set                                | 28. Full screen               |
| 12. Horizontal patrol                            | 29. 1 screen                  |
| 13. Vertical patrol                              | 30. 4 screens                 |
| 14. Zoom- IN (only available for certain models) | 31. 6 screens                 |
| 15. Zoom-OUT (only available for certain models) | 32. 9 screens                 |
| 16. Focus – (only available for certain models)  | 33. 16 screens                |
| 17. Focus + (only available for certain models)  | 34. 25 screens                |

## 5.2 Software settings

### 5.2.1 Software settings

- Run at start up (Software will start automatically after Windows is started).
- Use last viewed streams at start up (Show the last viewed streams at start up)
- Exit to verify identity
- Auto login (automatically login with last used user)
- Display background (Show background in empty screens)
- Running only one instance (Limit the software so it can only be opened once on the PC)
- Minimize to system tray
- Skin type (Select a different Skin type)
- Index manager (here you can change the index settings)

### 5.2.2 Config manager

The configuration manager provides the possibility to back up your settings and recover your settings from a backup.

### 5.2.3 User manager

The user manager provides you the possibility to add/change/delete users. Further you can also manage the permissions per role.

### 5.2.4 Recording manager

Set the schedule when you would like the software to start or stop recording further you can set which drives the PC software may use to store its recordings to.

By default, the snapshots and recordings are stored in D:\pictures, D:\Record.

### 5.2.5 Alarm manager

Determine what the software should do in case of an alarm event has occurred.

## 5.3 Camera settings

You can reach the camera settings by clicking the  icon which is displayed once you move your mouse over the video stream.

### 5.3.1 UID

The devices Unique IDentification UID is displayed here. Further you can also change the login password of the camera here.

Camera settings

Camera name: EM63XX

UID

Recording

Alarm

Wi-Fi setting

Time zone

Device

UIDXXXXXXXXXXXXXXXXXXXX

Login password: \*\*\*\*\*

Change password

OK

5.3.2 Recording

Manage the cameras recording schedule, the storage drive(s) for the recordings and the duration of the recordings.

Device list

Camera list

EM6305

EM6330

EM6350

EM6360

Scheduling

000102030405060708091011121314151617181920212223

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

Copy

Select all

Select none

Reverse select

Storage

| Us...                               | Disk | Capacity  | Available space | Path   |
|-------------------------------------|------|-----------|-----------------|--------|
| <input type="checkbox"/>            | C    | 916,63 GB | 469,36 GB       | C:\FDB |
| <input checked="" type="checkbox"/> | D    | 13,05 GB  | 1,57 GB         | D:\FDB |
| <input type="checkbox"/>            | E    | 0 MB      | 0 MB            | E:\FDB |
| <input type="checkbox"/>            | G    | 0 MB      | 0 MB            | G:\FDB |
|                                     |      |           |                 |        |
|                                     |      |           |                 |        |
|                                     |      |           |                 |        |
|                                     |      |           |                 |        |

Settings

Recording duration: 5 Minute(s)

Alarm rec. duration: 15 Second(s)

Save

### 5.3.3 Alarm

Change the settings and events on an alarm event and press “**Apply**”

The screenshot shows the 'Camera settings' window with the 'Alarm' tab selected. The 'Camera name' is 'EM63XX'. Below the tabs (UID, Recording, Alarm, Wi-Fi setting, Time zone, Device), there are checkboxes for 'Alarm motion' (checked) and 'Alarm I/O' (unchecked). A 'Motion sensitivity' slider is set to a medium level. Under the 'Alarm event' section, there are checkboxes for 'Relay output' (unchecked), 'Save video to FTP server' (checked), 'Save video to SD card' (checked), 'Send to e-mail' (checked), and 'Move to preset on alarm event' (unchecked). There are links for 'FTP settings' and 'E-Mail settings'. Below these are radio buttons for 'Preset position' with options 'Preset 1' (selected), 'Preset 2', 'Preset 3', and 'Preset 4'. At the bottom are 'Get settings' and 'Apply' buttons.

#### FTP settings

Set the settings for a FTP server for the camera to be able to save the snapshots and video recordings (for video recording micro SD card should be installed) to the FTP server on an alarm event.

Example of a FTP server address: <ftp.server.com>

#### E-mail settings

Set the settings for an e-mail server to be able to send e-mails on an alarm event.

The screenshot shows the 'E-Mail settings' window. It contains the following fields: 'SMTP address' (smtp.gmail.com), 'SMTP port' (587), 'Transmission protocol' (STARTLS), 'User name' (eminent@gmail.com), 'Password' (masked with asterisks), 'Sender address' (eminent@gmail.com), and 'Receiver address' (eminent@gmail.com).

### 5.3.4 WiFi setting

Camera settings

Camera name: EM63XX

UID

Recording

Alarm

WiFi setting

Date/Time

Device setting

Search

| SSID           | Signal | Status |
|----------------|--------|--------|
| Eminent        | 100    |        |
| Eminent Test 1 | 99     |        |
|                |        |        |
|                |        |        |

Input Wi-fi password \*\*\*\*\*

Apply

### 5.3.5 Date/Time

Set the time and time zone or sync the time with your PC.

Camera settings

Camera name: EM63XX

UID

Recording

Alarm

Wi-Fi setting

Time zone

Device

Current camera time: 2016-05-06 14:07:21

Synchronization interval: 1 Hour

Time zone: GMT+1

PC time

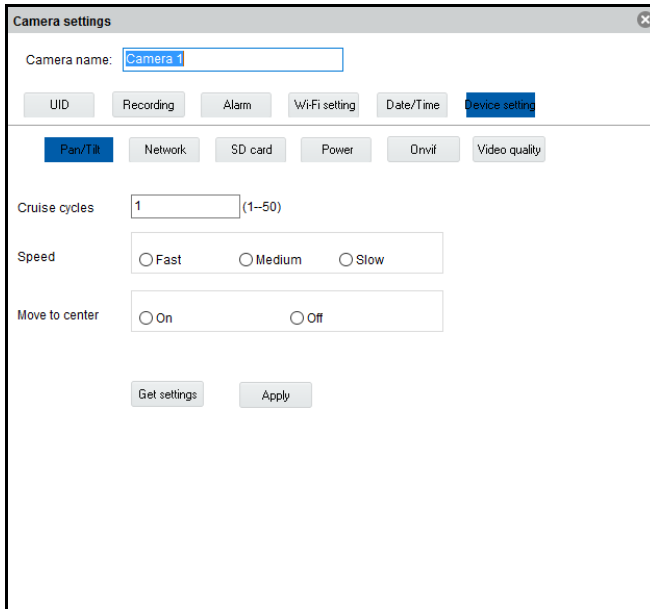
Get settings

Apply



### 5.3.6 Device settings

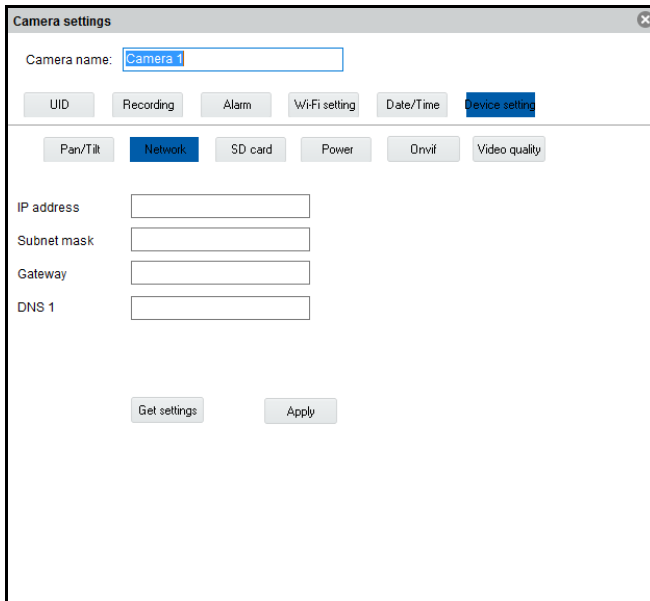
**Pan/Tilt:** Change the settings for the Pan/Tilt feature



The screenshot shows the 'Camera settings' window with the 'Pan/Tilt' tab selected. The window has a title bar with a close button. Below the title bar, there is a 'Camera name' field with 'Camera 1' entered. A row of tabs includes 'UID', 'Recording', 'Alarm', 'Wi-Fi setting', 'Date/Time', and 'Device setting'. Below this, another row of tabs includes 'Pan/Tilt' (selected), 'Network', 'SD card', 'Power', 'Onvif', and 'Video quality'. The main content area contains the following settings:

- Cruise cycles:** A text input field with '1' and a range '(1-50)' to its right.
- Speed:** Three radio buttons labeled 'Fast', 'Medium', and 'Slow'.
- Move to center:** Two radio buttons labeled 'On' and 'Off'.
- At the bottom, there are two buttons: 'Get settings' and 'Apply'.

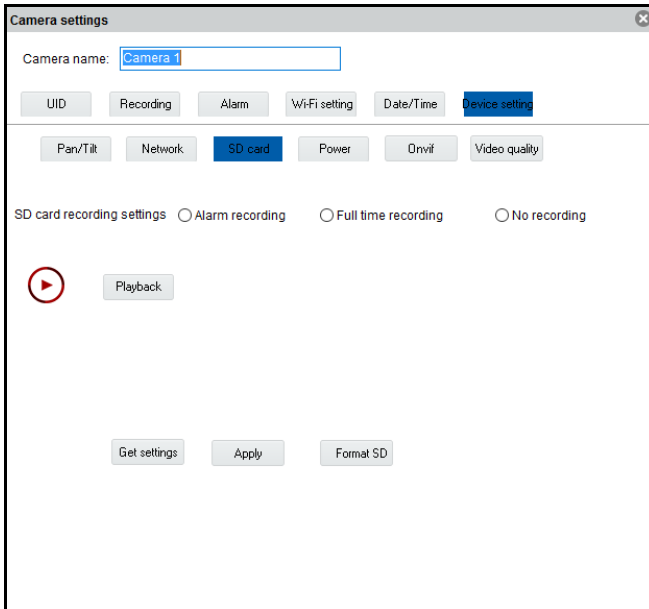
**Network:** Here you can set the network settings of the camera manually.



The screenshot shows the 'Camera settings' window with the 'Network' tab selected. The window has a title bar with a close button. Below the title bar, there is a 'Camera name' field with 'Camera 1' entered. A row of tabs includes 'UID', 'Recording', 'Alarm', 'Wi-Fi setting', 'Date/Time', and 'Device setting'. Below this, another row of tabs includes 'Pan/Tilt', 'Network' (selected), 'SD card', 'Power', 'Onvif', and 'Video quality'. The main content area contains the following settings:

- IP address:** A text input field.
- Subnet mask:** A text input field.
- Gateway:** A text input field.
- DNS 1:** A text input field.
- At the bottom, there are two buttons: 'Get settings' and 'Apply'.

**SD card:** Set the recording settings for the SD card. Playback recordings on the SD card and format the SD card.



The screenshot shows a 'Camera settings' window with a close button in the top right corner. At the top, there is a text field labeled 'Camera name:' containing the text 'Camera 1'. Below this is a row of tabs: 'UID', 'Recording', 'Alarm', 'Wi-Fi setting', 'Date/Time', and 'Device setting' (which is highlighted in blue). Under the 'Device setting' tab, there is another row of sub-tabs: 'Pan/Tilt', 'Network', 'SD card' (highlighted in blue), 'Power', 'Onvif', and 'Video quality'. The 'SD card' sub-tab contains the following elements:
 

- A label 'SD card recording settings' followed by three radio buttons: 'Alarm recording', 'Full time recording', and 'No recording'.
- A red circular play button icon with a white triangle inside, labeled 'Playback'.
- At the bottom, three buttons: 'Get settings', 'Apply', and 'Format SD'.

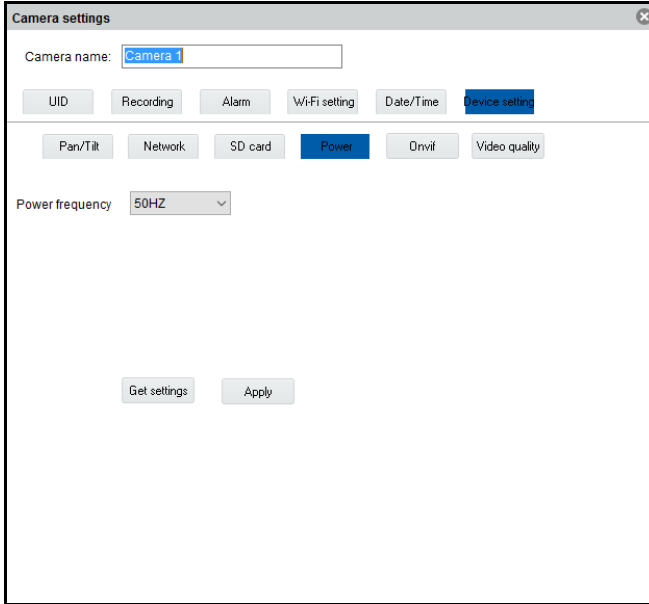
The following options are available:

**Alarm recording:** Starts recording if movement is detected

**Full time recording:** Will record continuously

**No recording:** No recording

**Format SD:** The SD card will be formatted (all data and recordings will be deleted from the SD card).

**Power:** Change the environments power frequency


The screenshot shows the 'Camera settings' window with the 'Power' tab selected. The 'Camera name' field contains 'Camera 1'. The 'Power frequency' dropdown menu is set to '50HZ'. The 'Get settings' and 'Apply' buttons are at the bottom.

Camera settings

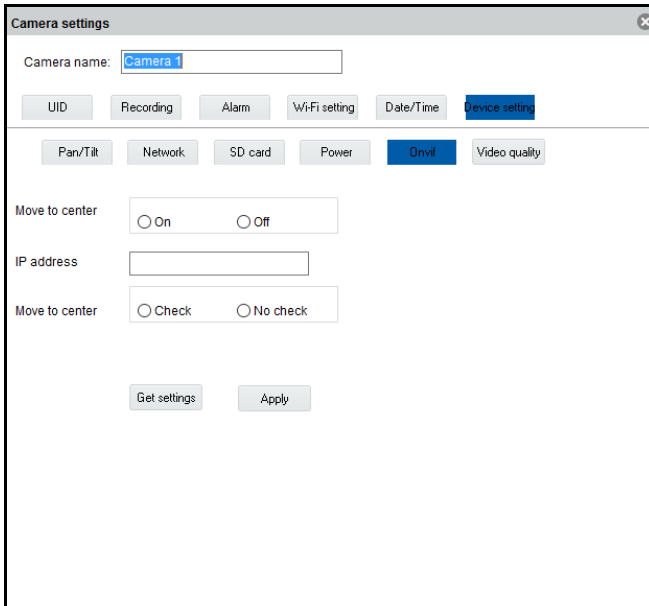
Camera name:

UID   Recording   Alarm   Wi-Fi setting   Date/Time   **Device setting**

Pan/Tilt   Network   SD card   **Power**   Onvif   Video quality

Power frequency:

Get settings   Apply

**ONVIF:** Change the Onvif settings (Open Network Video Integration Forum)


The screenshot shows the 'Camera settings' window with the 'Onvif' tab selected. The 'Camera name' field contains 'Camera 1'. The 'Move to center' section has two radio buttons: 'On' and 'Off'. The 'IP address' field is empty. The 'Move to center' section has two radio buttons: 'Check' and 'No check'. The 'Get settings' and 'Apply' buttons are at the bottom.

Camera settings

Camera name:

UID   Recording   Alarm   Wi-Fi setting   Date/Time   **Device setting**

Pan/Tilt   Network   SD card   Power   **Onvif**   Video quality

Move to center: ☐ On ☐ Off

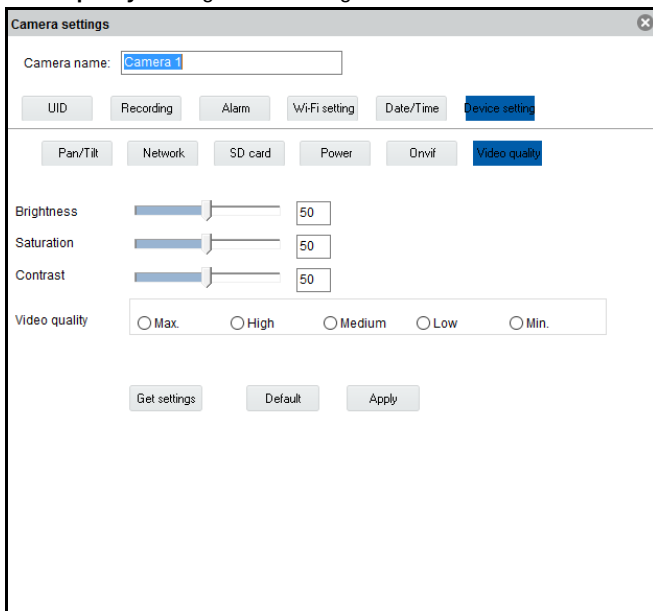
IP address:

Move to center: ☐ Check ☐ No check

Get settings   Apply

The ONVIF specification defines a common protocol for the exchange of information between network video devices including automatic device discovery, video streaming and intelligence metadata.

### Video quality: Change video settings



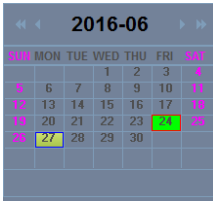
The screenshot shows a 'Camera settings' window with a close button in the top right corner. At the top, there is a text field for 'Camera name' containing 'Camera 1'. Below this is a row of tabs: 'UID', 'Recording', 'Alarm', 'Wi-Fi setting', 'Date/Time', and 'Device setting'. The 'Device setting' tab is selected and highlighted in blue. Underneath, there is another row of sub-tabs: 'Pan/Tilt', 'Network', 'SD card', 'Power', 'Onvif', and 'Video quality'. The 'Video quality' sub-tab is selected and highlighted in blue. The main area contains three sliders for 'Brightness', 'Saturation', and 'Contrast', each with a value of 50 displayed in a box to its right. Below the sliders is a 'Video quality' section with five radio button options: 'Max.', 'High', 'Medium', 'Low', and 'Min.'. At the bottom of the window are three buttons: 'Get settings', 'Default', and 'Apply'.

## 5.4 Playback local recordings

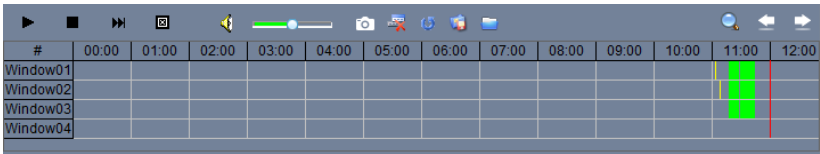
Open the Playback feature by pressing the  button.

In this part you can playback the recordings stored on your PC.

1. First make sure the camera(s) you wish to playback is selected (double click the camera or drag and drop the camera in an available screen).
2. (Optional) If desired you can select a type of recording from the dropdown list "Record type" in the left lower corner.
3. Press  button to start searching for local recordings.
4. In the calendar you will see dates marked in green these are the days where the CamLine Pro software has found local recordings.



5. Select the day you wish to playback.
6. Below the camera overview you will see different markings in the time bar, these are markings of the time periods the CamLine Pro software has found local recordings.

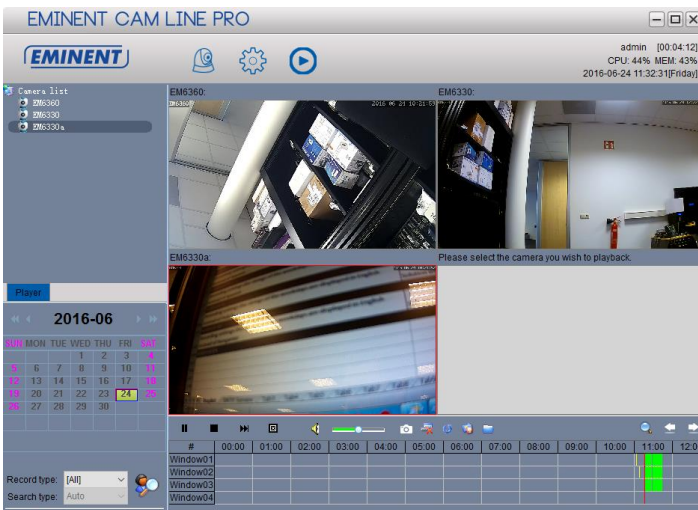


7. Drag the red line to the time frame you wish to playback the recording.

The markings marked as green are the scheduled recordings.

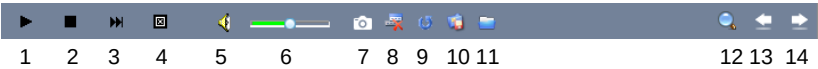
The markings marked in yellow are the manual recordings.

*To be able to select a manual recording (marked in yellow) successfully we advise to use a minimum period of 1 minute per recording.*



8. The recording will be played in the selected frame.

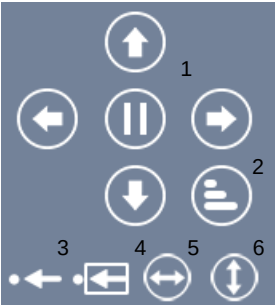
Playback function bar:



1. Play
2. Stop
3. Next
4. Stop all
5. Mute
6. Volume
7. Snapshot
8. Clear selection
9. Synchronize time
10. Backup
11. Open a file
12. Zoom in/out on the time line
13. Move time line to the left
14. Move time line to the right

### 5.5 Pan/Tilt

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



|                                                             |
|-------------------------------------------------------------|
| 1. Pan/Tilt control: move camera: left, right, up and down. |
| 2. Pan/Tilt speed: Adjust the Pan/Tilt speed                |
| 3. Save pre-set: Save a predefined camera position          |
| 4. Go to pre-set: Move camera to predefined camera position |
| 5. Horizontal patrol                                        |
| 6. Vertical patrol                                          |

## 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 using the LAN search function of the APP or PC software (Press the "+" to add a camera and choose for the option "LAN Search" The camera ID will be shown in the list together with IP address and port number.)

Add camera

Camera name:

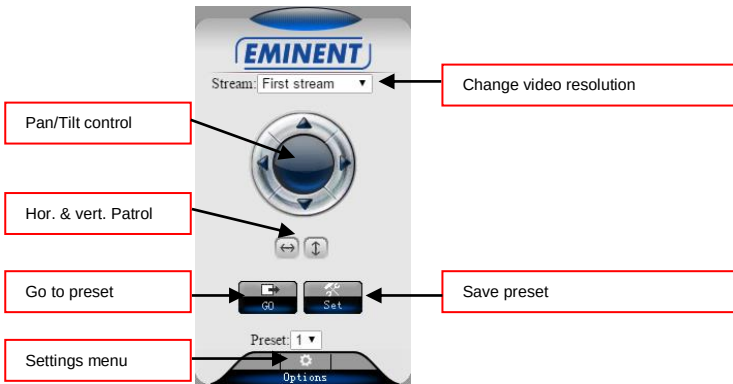
| Num... | UID                  | IP address      | Port | Camera | Open browser |
|--------|----------------------|-----------------|------|--------|--------------|
| 1      | B6VZP84BE7NPMBTM...  | 192.168.100.183 | 81   | EM6360 | Browser      |
| 2      | 16HVAD9YRT6G9L9U1... | 192.168.100.167 | 81   | EM6350 | Browser      |
| 3      | 6L3YDACMAGSFX69E1... | 192.168.100.91  | 81   | EM6330 | Browser      |
|        |                      |                 |      |        |              |
|        |                      |                 |      |        |              |
|        |                      |                 |      |        |              |
|        |                      |                 |      |        |              |
|        |                      |                 |      |        |              |
|        |                      |                 |      |        |              |

OK

Cancel

3. Enter the IP address in the address bar of your web browser followed by: and port number e.g. 192.168.100.91:443
4. Choose the corresponding option matching your internet browser
5. Login with user: admin  
Password: (leave blank by default)

## 6.2 The layout of CamLine Pro



The menu options are the same as the settings menu of the PC software except for FTP service settings and Maintenance.

## 6.3 FTP setting

Optionally set your FTP server in this setup menu.

Example of a FTP server address: <ftp.server.com>

### Camera settings

- System Settings
- Networking
- Advanced Settings
- User Accounts
- Snapshot scheduling
- Timer record
- E-mail
- FTP
- PTZ Protocol
- Alarm Settings
- Video & Audio Settings

### FTP

#### FTP Settings

Server:

Port:

Username:

Password:

Path:

Passive mode: ☒ Yes ☐ disable

Please press "OK" to save settings, and then test to check settings.

To be able to use the option to store your video recordings to the FTP server you will need to install a micro SD card in the camera.



## 6.4 Alarm settings

In this setup menu you can determine what should happen if an alarm event is triggered.

You can choose from the following options:

- E-mail alarm: An e-mail will be send to an e-mail recipient on an alarm event.
- Save image on FTP: a snapshot will be saved to the FTP server.
- Save the video to FTP server: a recording will be saved to the FTP server (a micro SD card is required to use this option).
- Save image on SD card: a snapshot is saved to the micro SD card.
- Save video on SD card: a recording will be saved to the micro SD card.
- Alarm pre-set: Go to a predefined pre-set on an alarm event.
- Image capture number: Set the number of snapshots that will be send by e-mail.

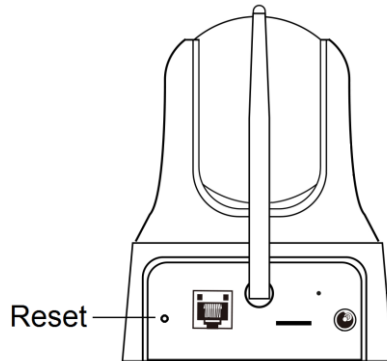
The screenshot shows the 'Camera settings' interface. On the left is a sidebar menu with options: System Settings, Networking, Advanced Settings, Alarm Settings (highlighted), Motion Detection, Alarm settings, Alarm scheduling, and Video & Audio Settings. Below the sidebar is a 'Return' button. The main area is titled 'Alarm settings' and contains several checkboxes: 'E-mail Alarm' (checked), 'Save image on FTP' (checked), 'Save the video to FTP server' (checked), 'Save image on SD card' (checked), 'Save video on SD card' (checked), and 'Alarm Preset' (unchecked). To the right of the first three checkboxes are links: 'E-mail Settings' and 'FTP server settings'. Below these is a section titled 'Image capture' with a label 'Image capture number:' followed by a dropdown menu showing the value '3'. At the bottom right are 'OK' and 'Refresh' buttons.

## 6.5 System settings

This menu option provides the possibility to view the device information, change the time settings and System maintenance. From the System maintenance menu, you can reboot the device, restore factory defaults, create a backup of the configuration, restore the backup of your configuration 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 EM6331 to the factory default settings. The only thing you need to do is using a stick to press the “reset” button on the back of the EM6331 body for more than 15 seconds and release it, do this when the EM6331 is powered on. The EM6331 will reset to the factory default settings and restart automatically.



*Note: The username after reset is “admin” password is empty. The password for live video is changed after reset to “ipcam”*

*If the camera is restored to factory settings and you have added the camera to the APP the APP will recognize the default password, you will be prompted to change your password, we advise you to change this password a.s.a.p. to protect your privacy.*

### Tip

Cameras default password is ipcam, please change it for your own privacy/security.

☐ Do not show this message again

Later

Change password

## 8.0 Upgrade Device Firmware

If there is a new firmware available for the EM6331, you can upgrade the firmware via the WebGUI Maintenance page. A status message about the percentage done in the upgrade procedure is displayed. Please note: do not power off the EM6331 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 latest information. Visit [www.eminent-online.com](http://www.eminent-online.com) for more information about your product.

## 10.0 Service and support

This user 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. Please check [www.eminent-online.com/support](http://www.eminent-online.com/support) for the helpdesk phone number and opening hours.

## 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 these 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!

When you connect the device to the mains, make sure it will not be damaged or subject to (high) pressure.

A power socket is needed which should be close and easy accessible from the device.

Repairing of the device should be done by qualified Eminent staff. Never try to repair the device yourself. 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).

Dispose of the device appropriately. Please follow your countries regulation for the disposal of electronic goods.

Please check below safety points carefully:

- Do not apply external force on the cables
- Do not unplug the device by pulling the power cable
- Do not place the device near heating elements
- Do not let the device meet water or other liquids
- If there is any strange sound, smoke or odour, remove the device immediately from the power outlet.
- Do not put any sharp objects into the venting hole of a product
- Do not use any damaged cables (risk of electric shock)
- Keep the product out of reach of children
- Wipe off the product with soft fabric, not water mop.
- Keep the power plug and outlet clean
- Do not unplug the device from the power outlet with wet hands
- Unplug the device when you don't use it for a long time
- Use the device at a well-ventilated place

*\*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 latest information. If you are experiencing any problems with the printed manual or you cannot 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 Eminent warranty applies to all Eminent products. 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.

### 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.



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