UK - Manual

X-SERIES

SAFE HOME®

Wireless Internet Surveillance

HD/FULL HD P2P Cameras

Indoor / Outdoor
Night and Day

278047-NordicX

278048-NordicX

278049-NordicX

278050-NordicX
278051-NordicX

278052-NordicX
278053-NordicX

278054-NordicX

278055-NordicX

Table of Content

1. Intro 3
Package includes, Important! 3
2. Network Setup 4
WPS connection for wireless network 4
Network Setup using SearchPro 4
Connect the camera 4
Using SearchPro 5
Customize Internet Explorer® 7
3. Change password / create multiple users 8
4. Connecting to wireless network (WIFI) 8
5. Connecting to the network - remote access (WAN) 9
6. E-mail 10
E-mail setup - example using Gmail 10
7. FTP (File Transfer Protocol) - For storage 11
8. Alarm 12
IO detector 12
Motion detection 12
Audio detection 12
Alarm action 12
Armed time 13
9. Storage 13
SD/TF Management, SD/TF Capture, SD/TF Recording 13
10. Log 13
11. Local Configuration 13
12. User interface 14
13. Additional Settings 15
System 15
Time Setting 15
NTP service 15
Pan & Tilt Settings 15
Others 15
Indicator setting 15
Multiple Settings 15
Maintenance 15
Reboot 15
Reboot to default 15
Backup settings 15
Restore backup settings 15
Upgrade (Firmware update) 15
Restart timing settings 15
About 15
Video 15
Audio 15
Image 15
OSD 15
Night Vision 15
14. APP – SafeHomeSmartP2P 16
15. Reset 16
16. Camera mounting 16
17. Technical specifications 17
18. Disclaimer, copyright and support 20

1. Intro

This manual contains instructions for setting up the camera and adapting it to your network. (IP address, HTTP port, DNS and gateway).
The setup is done while the camera is connected to your router with a network cable, or you can set up the camera to your wireless network using the WPS function, then you do not need wired connection between camera and router.
Following is a guide on how to view the camera from a computer on your local network (LAN).
When the camera can be viewed on a computer, the manual provides instructions for setting up the wireless network, and setup instructions for how to view the camera from any computer, tablet or smartphone with Internet access. Then followed by a review of the options, for each menu item in the camera setup, including alarm, email and FTP.

Finally follows an introduction for the APP, available for Android (Google Play) and iOS (APP Store) and a few pages with specifications for the cameras.

Package includes

Internet camera
WiFi antenna for wireless network (not for model 1 MP HD P2P Fixed/model 278047-NordicX)
Power Supply
CD with network software
Hardware, screws and plugs for installation.
Network Cable
Manuals (UK/DK/SE/NO/FI)
4 alarm signs

Important!

1. For safety reasons, we recommend that the label with QR code is removed from the camera when the camera is installed. Remember to take a picture of the label for later use.
2. Remember to change your password on the camera (Section 3 page 8).
3. Keep always your camera updated with the latest firmware and software. You will find updates at www.safehome.dk

2. Network Setup

WPS connection for wireless network (WiFi Protected Setup)

SafeHome X-Series cameras can be connected to the router's WiFi (wireless network) without using a computer and code if the connected network router supports WPS.

1. Enable your router's WPS function (see how in the routers manual).
2. Place the camera within 2 m from the router.
3. Press the camera's WPS/Reset button for 3-5 seconds.
4. If there is a WIFI indicator on the camera, it will light up constantly during WPS connection and then go to flashing mode after 15-60 seconds, this indicates that the setup is successful. If connection is not successful, check if the camera can be found by using the search function in the supplied program called SearchPro - if the camera is not found when searching, please run the setup process again.
5. If you only want to access the camera from a smartphone or tablet using the SafeHome APP, you can now search for the camera in the app and connect.
6. Otherwise open SearchPro for further setup.

Network Setup using SearchPro

If the router does not support WPS setup, the camera can be configured for wireless network using the supplied software SearchPro.
SearchPro must be installed on a computer connected to the same network as your camera (the computer can be connected with WiFi or cable, just ensure that the computer is connected to the same network as the camera).

1. Insert the supplied CDROM into the CD drive and install the program SearchPro.exe. Place a shortcut for the program at your desktop for easy access.
2. If the computer does not have a CD-drive, the software is available for download at the SafeHome website.

Connect the camera

1. Connect the camera directly to the router using the network cable. Make sure that the port on the router used for connection is intended for internet and not phone, TV or others. Please note that the camera and computer must be connected to the same router. The computer can be connected with WiFi or cable. The camera must be connected with cable.
2. When the camera is connected to the router with a network cable, connect the power supply to the camera and a wall socket and turn the power on (only use the supplied power supply, use of other power supplies can damage the camera). It is very important to connect the camera to the router as first step before turning on the power supply, as it will retrieve basic settings from the router on start up.
3. It will take about 30 seconds for the camera to start up, before it can be registered in SearchPro.

Using SearchPro

Open the already installed network software Searcher. During the installation of SearchPro, Place a shortcut for the program at your desktop for easy access.

When the program is started, select in the bottom menu line “NotP2P”, and click Search (1).

You must select “NotP2P” because you are going to change the IP setup through SearchPro and you cannot do this, if “Smart P2P” is selected.

When the camera is visible on the list under the heading “Device Name”, click on “IP Setting” in the top (2).

Select the camera on the list by clicking once (3), and IP Config in opposite site will show setup information for the camera assigned by the router.

The camera is factory set to get a free IP address from the router and register the network’s subnet mask, gateway and DNS 1 and 2.

The http port is factory set to 80, and this option can be retained, unless other units on the network is assigned to port 80 or if you need to connect more cameras, (for instructions on changing the port see below).

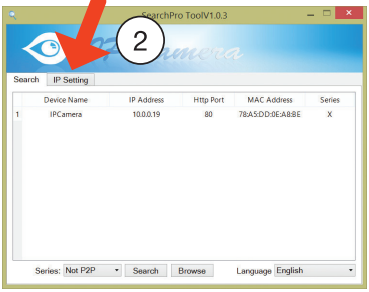
If the “Checkmark” in “Set IP automatically” (4) is kept, the camera will possibly be assigned a new IP address each time it restarts, which can be inconvenient, because then you are not able to bookmark it. Therefore, remove the tick, and now the settings are configurable.

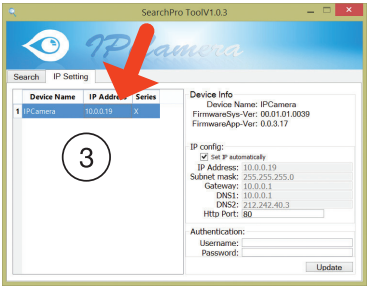
It will in most cases only be necessary to change the http port.

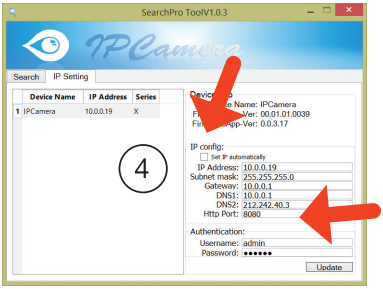
The http port is like the camera’s IP address unique on the local network, and may be used only by one camera, or other devices that are connected to the router. We suggest port number 8080 for the first camera, and the following cameras can be 8081, 8082, 8083, etc. This port range are usually open in most routers, so the camera can be seen from the outside, but ask your Internet service provider for open ports if you have got any problems.

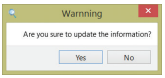
Fill in the username (admin) and Password (123456) and click “Update

Click “Yes” and you get a last message.

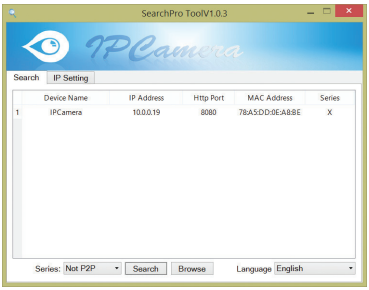






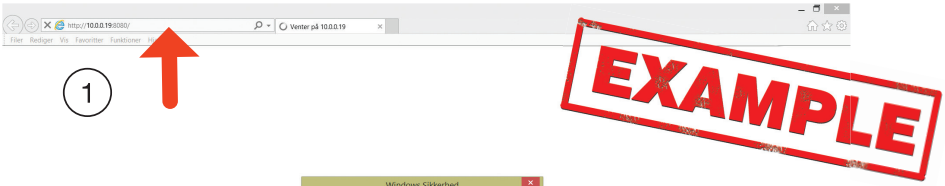


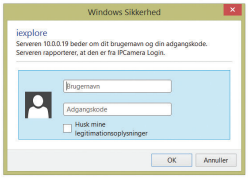
Click on Search in the top menu to return to the search page and click on the Search button at the bottom, then the camera will again be visible in the list, with the new settings.



Now you can double click on the camera in the list, or select the camera so it appears as a blue bar and then click “Browse”.

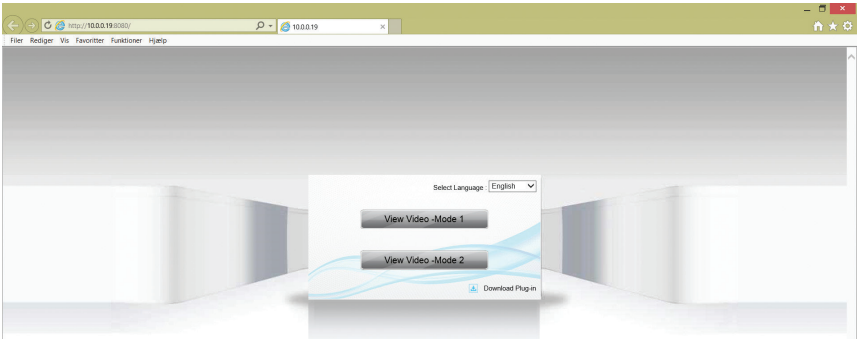
Your favourite Internet browser will now open.
If you have installed a Windows operating system where EDGE browser is the preferred, use either video mode 2, or open Internet Explorer 11 and type the camera’s local IP address into the address field (1). You can also visit SafeHome support page for instructions on how to change the preferred browser.
Address is in this case http://10.0.0.19:8080 (IP address +: + port number)





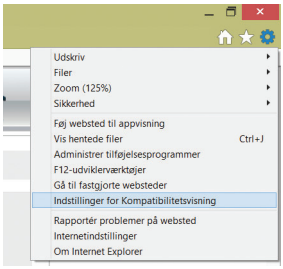
Enter username and password (admin & 123456) and click “OK”

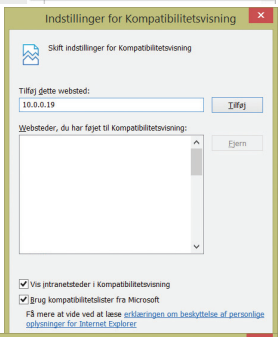
Now, the welcome screen will appear. On the welcome screen, you have to click on “Download Plug-in” if you are using Internet Explorer, but before you can install the plug-in, it is necessary to customize Internet Explorer.



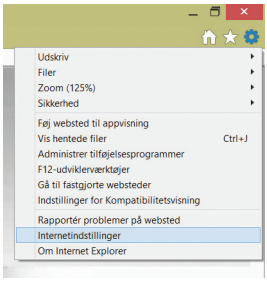
Customize Internet Explorer®

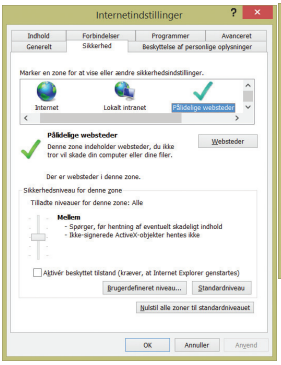
It may be necessary to enable Compatibility View in Internet Explorer and to add the camera's IP address as a trusted site to display video properly. These settings have to be set every time the camera is assigned a new IP address as follows (also a reason, why it is best to set up static IP address on a camera):
Select "Compatibility View Settings" in Internet Explorer's features found in the dropdown box under the sprocket in the top right corner of Internet Explorer. Enter this camera's IP address (if not already on the line), press "Add", the camera's IP address will now appear on the list below.

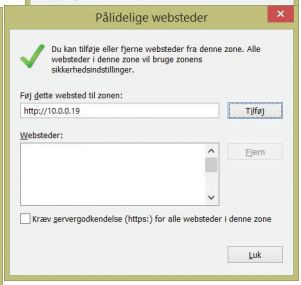


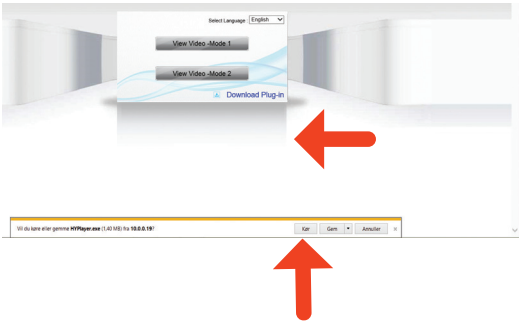


Put a checkmark in the two fields below and click "Close." Open Internet Explorer's functions again and select "Internet Options". Choose "Security" tab, select "Trusted sites", press "Sites" and press "Add" followed by "OK" (do not check the "Require Server Authentication").





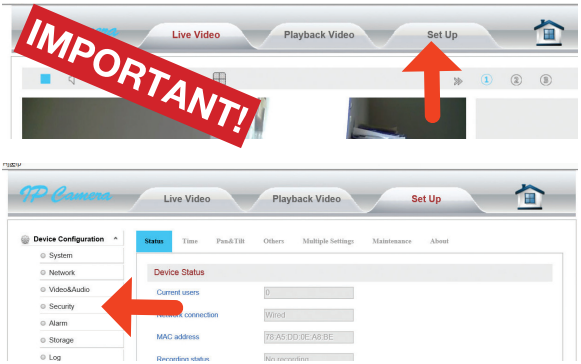




Now the plug-in can be installed. Click on Plug-in from the welcome site, and when the line appears at the bottom of the screen, Click "Run".
Close Internet Explorer (otherwise installation of plug-in is not done correct), open again after installation and search for the camera using SearchPro.
Now you can log on using the user name and password.

3. Change password / create multiple users

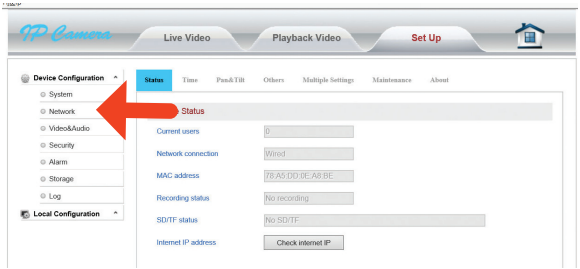
At first you have to change the password, for security reasons. If you do not change the password, everyone may easily be able to access the camera. Click on Security in the left menu. Go to User in the top menu, select Administrator, by clicking on the line with the name “Administrator”.
Click modify, change the password and click “Save”. Now the password is changed, and you must log on to the camera again.
You can also add more users and give them different rights/access.

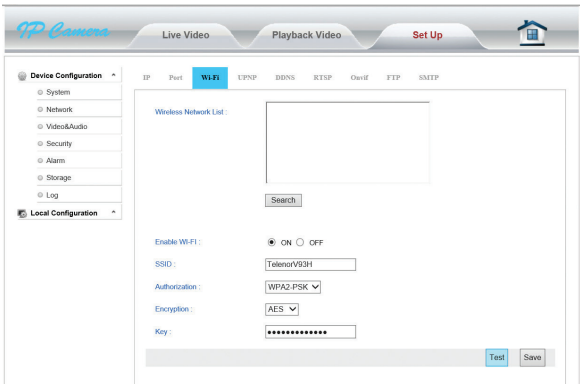


4. Connecting to wireless network (WIFI)

When the configuration for LAN is successfully completed, the camera can be accessed through the camera’s IP address or by clicking the browse button in SearchPro software. Live video from the camera can be viewed by the menu item “View Video Mode 1” for Internet Explorer and “View Video Mode 2” for smartphones and other browsers.
Once logged on to Live Video, click on Setup. For setting up wireless network (WiFi) select Network> Wi-Fi.

1. Select “On” in the box next to enable WiFi.
2. Press “Search”, to find the available WiFi networks.
3. Click “OK” to select the required WiFi network. Security settings are adjusted automatically.
4. Enter the access code for the WiFi network in the “Key field”.
5. Click “Save” and then “Test” and wait for about 30 seconds while the settings are verified.
6. If reported test success, the network cable can be removed between the router and the camera. If a Success message is not received, the network is not available or the password is entered incorrectly - control settings and start over again.

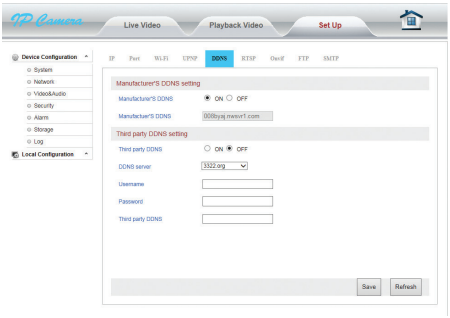




5. Connecting to the network - remote access (WAN)

Remote access is used whenever users wish to access their camera(s) from a computer away from home. This can e.g. be while at work, vacation or visiting friends.
For remote access setup select Network> DDNS.

Remote access can be obtained in three different ways. For all three ways, it is necessary to open the assigned network port in the router, either manually by port forwarding (NAT), where the assigned network port is pointing to the cameras IP address, or by use of UPnP, if the router supports UPnP. Turn on UPnP at the camera using the menu Network> UPnP, and then make sure that UPnP is turned on in the router. When this is set, the router will find the assigned port number and forward calls to it.

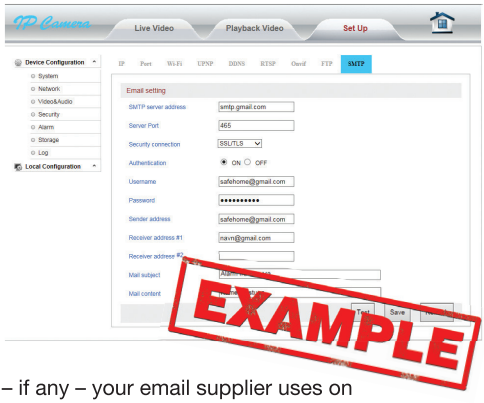


1. On the camera, a label with the camera's remote internet access address is found.
   This address is also found in the camera menu Manufacturers DDNS. When the box "ON" is ticked, the camera can be accessed from remote locations by launching an internet browser and inputting the address followed by colon (:) and the port number set as Http Port in SearchPro. E.g. the address could be http://001ldlo.nwsrv1.com:8080.
2. The second – and recommended - way is to use a static/fixed IP address if your Internet supplier has assigned such to your router. If so; the checkbox should be tick in OFF and the camera's Internet address will e.g. be http://15.13.780.23:8080. Note, that it is not the camera address from SearchPro but the router's Internet address, which must be used. Contact your Internet supplier, who can inform you whether or not you have a fixed/static IP address. Your IP address is found by clicking System> Status> "Check Internet IP".
3. The third way to acquire remote access is by using a 3. Party DDNS. If such is available, the Manufacturer's DDNS checkbox should be set in OFF position, the Third Party DDNS checkbox should be set to "ON" position and the third party DDNS provider's parameters should be filled in, then click "Save".
   As mentioned earlier, for all three ways of remote access, the checkbox UPnP should be ticked. Alternatively, the user must establish a port forwarding in the router from the selected port to the camera IP address.
   Check the router settings to verify UPnP is enabled in the router, also in case the connection from the Internet cannot be established. If both camera and router have UPnP enabled, contact your Internet supplier to verify, the assigned port is allowed used for IP cameras or if it should be changed in the menu Network> Port.

6. E-mail

If you want pictures/snapshots sent by e-mail at alarm, SMTP must be set up, using the menu Network> SMTP.
If you have an email address provided from your internet service provider, it is recommended to use this email as sender, due to the fact, some internet service providers does not allow the use of web based mail servers (e.g. hotmail, gmail).
If you do not have an email, you are maybe able to create one yourself (ask your internet service provider). If the internet service provider does allow the use of other mail servers, you can use whatever mail server you want.

E-mail setup - example using Gmail



SMTP server address: Fill out the details of the mail server used as email service for sending the email from the camera to the receivers. Consult your email supplier's webpage for details hereof or contact their customer support.

SMTP Port: Fill out the port number used by your email supplier's mail server. Consult your email supplier's webpage for details hereof or contact their customer support.

Security Connection: Select the type of security – if any – your email supplier uses on the servers. Consult your email supplier's webpage for details hereof or contact their customer support.

Authentication: Tick the checkbox "ON" if the mail server requires username/password in order to use the mail service. Consult your email supplier's webpage for details hereof or contact their customer support.

Username: Enter the mail server username - usually username is the e-mail address.
Password: Enter the email password.

Sender address: Fill in the email address, which should be used as sender of the email (usually the same as username).

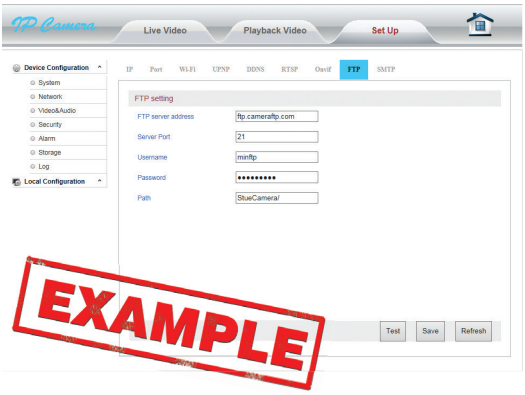
Receiver address #1 & #2: Fill out the email addresses of the receivers of email notifications upon motion detection.
Mail Subject: Input the email subject for all alarm emails.

Mail Content: Input a short message for all alarm emails.
Click "Save" and then "Test".
A test window will display Success (verification can take a while) and the receivers will receive a test email if settings are filled out correctly. Note that many spam filters and mail servers will delete the mails if sender and receiver are identical. If mails are not received, it is recommended to change the email address of either Receiver or Sender.

7. FTP (File Transfer Protocol) - For storage

An FTP server is typically found on a network hard drive (NAS), or access to external data storage on a remote FTP server/addresses, can be purchased from many service providers. Alarm can be activated to store pictures/video on a FTP server.
The address of the FTP server is set up as follows:

FTP Server Address: FTP server IP/WEB address without the initial “ftp://”.



Server port: The FTP port used by the server. (Typically set to 21).

Username: Login username for the FTP server.

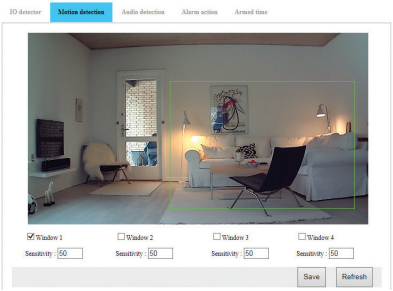
Password: Login password for the FTP server.

Path: Destination folder on the FTP server, to which images should be stored.

Fill out all above textboxes with information provided by your FTP service supplier. Click “Save” and then “Test” to test the settings.

If the settings are correct and FTP server is available, you will receive the message Test ... Success.

8. Alarm



The camera has built-in sensors to detect changes/movements in the image, and activate the alarm function. The alarm can be set to; 1.) an email sent with attached pictures, or 2.) Photos or video stored on a FTP server, or 3.) for the cameras with built-in memory/SD slot, photos or video can be stored to memory/SD card.
For continuous video recordings, you can install a SafeHome NVR (Network Video Recorder, separate product) on the network. SafeHome NVR can be set to either continuous video recordings, scheduled recordings or recordings based upon alarm.

IO detector

Can only be used for the camera model 27855-NordicX, for connecting external sensors, sirens, etc. (see support page). Other X-Series cameras do not have this function.

Motion detection

By ticking the check boxes (1-4), selection windows are displayed and can individually be adjusted in size and sensitivity level.
The window size can be adjusted by “dragging” the lower right corner. The window can be moved to other positions, by placing the curser inside the window frame, holding down the right mouse button and dragging the window.
Sensitivity can be set separately for each window, 0 is the lowest and 100, is the highest. We recommend you, to set the level to 50 and adjust for your local environment, to the right level.
The camera will now activate the alarm whenever required motion in the surveyed area is registered.

Please be aware that the camera reacts to motion / pixel changes, and not as a sensor that reacts to people / heat. It can result in an outdoor camera detecting many alarms if, e.g. it is rainy or light changes occur. If the camera is directed towards a sunlit area, an alarm can be detected, hereunder when the clouds move in front of the sun.

Audio detection

The SafeHome X-Series can be activated by sound (only models with microphone). To activate this feature, set Sound Alarm to “ON” and input the desired sensitivity

Alarm action

Select which actions the camera should perform upon motion/sound detection.
The alarm action can be set to sending an email sent with attached pictures. Photos or video can be stored on a FTP server, or for the cameras with built-in memory/SD slot, photos or video can be stored to memory/SD card.
“Trigger” is only relevant for camera model 278055-NordicX, and should not be used with any other camera models.

Armed time
Tick the boxes to select when the alarm function should be activated – if no boxes are ticked, the alarm will not send e-mail, etc.

9. Storage
Below you will find three menu items, only to be used for cameras with build in memory or SD card installed.

SD/TF Management
Used for formatting of the memory card, and viewing the card's total capacity and remaining space.

SD/TF Capture
Used for snapshots, to be snapped with a defined time range.
Select "ON", and set the time interval for the images to be snapped. Remember to select in the time table, during which time the recordings is to be made.

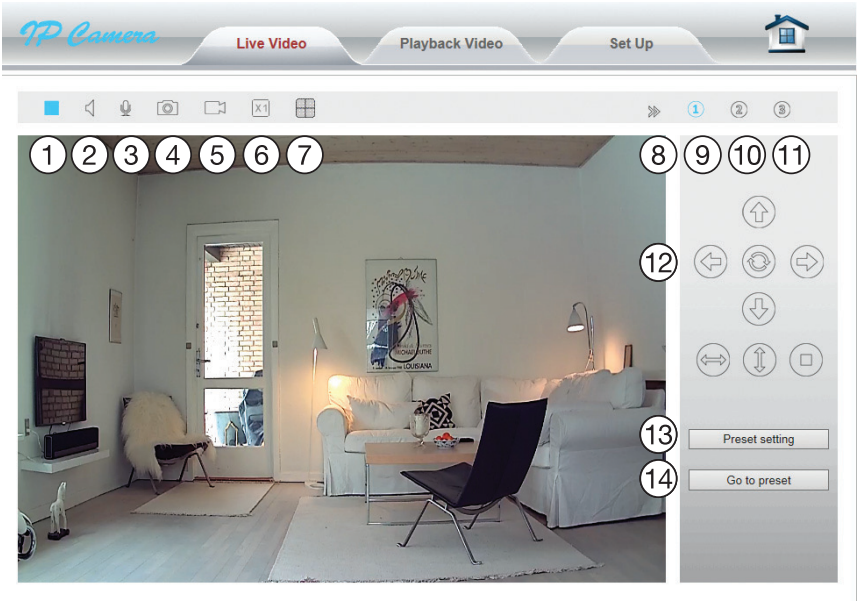
SD/TF Recording
Tick "ON" to select the recording time for video recordings.
Select recording bit rate for video recordings - you can choose between three qualities, the three qualities are defined in the menu "Video & Audio.
The lower the quality, the less space (capacity) is used on the SD card.

10. Log
A summary of the camera events.

11. Local Configuration
Snapshots and video recordings can be taken directly from the camera software, using the snapshot or record button, and saved on the computer.
The destination for saving snapshots, video recordings and the length of video recordings is changed in this menu.

Note:
Local configuration can only be changed, when the camera's IP address is set as a trusted site.
Local configuration settings are stored as a cookie on the computer. If several cameras are connected, local configuration will be the same for all cameras on the current computer.
Accessing the camera from another computer, enables another local configuration setting for the computer in use.

12. User interface



Please note, due to differences of the X-Series camera models, some buttons can be inactive.
Eg., button no. 12 can't be used with outdoor models and the indoor fixed models, as they do not have pan/tilt feature.

1. Video stream on/off
2. Audio. Click here to activate the cameras microphone (if available). Click again to deactivate.
3. Microphone. Click here to activate the computer microphone (if available). Click again to deactivate.
4. Click the camera icon to take a snapshot.
5. Click the movie icon to record a video sequence.
6. Zoom x4 (electronic).
7. Multi camera display of up to 4 X-Series cameras (Only used when several cameras are connected. set up the "Multiple settings" menu, for multiple viewing.).
8. Hide/Show the navigation panel.
9. First stream - resolution is selected in "Set Up> Video".
10. The second stream - resolution is selected in "Set Up> Video".
11. Third stream - resolution is selected in "Set Up> Video".
12. Navigation buttons - for cameras with Pan/Tilt feature.
13. Save position - for cameras with Pan/Tilt feature.
14. Go to the saved location - for cameras with Pan/Tilt feature.

13. Additional Settings

System

Time Setting
System> Time> Time setting: Denmark is GMT + 01:00, Finland is GMT + 02:00 etc.

NTP service
For the camera to automatically adjust the time, tick “Enable NTP” and select a NTP server. Make sure that correct time zone is selected.

Pan & Tilt

Pan & Tilt Settings
Pan and Tilt speed are adjustable.
Select the number of labs for the camera when pressing “Cruise” in the navigation panel.

Others

Indicator setting
ON/OFF power status LED and Wi-Fi LED.

Multiple Settings
Add multiple X-Series cameras, to be viewed in the User Interface (up to 4 cameras can be viewed simultaneously).

Maintenance

Reboot
Reset the camera.

Reboot to default
All settings are removed and the factory settings are restored.

Backup settings
Saves a backup of all camera settings.

Restore backup settings
Loading your backup.

Upgrade (Firmware update)
If a new firmware is available, please store the firmware update on your computer, and upload to the camera using “browse” and then click “update”.
It will take a while for the update to upload, and the camera reboots.

Restart timing settings
The camera can be set to automatically reboot on predefined times, to clear the memory. When restarting, all settings will be saved.

About
Use Device Name to give a name for the camera.

Video & Audio

Video
System set of three video quality levels.

Audio
Volume setting, only to be used for cameras with build-in microphone and speaker.

Image
Adjusting the brightness, contrast, etc. The camera image can be flipped or turned upside down, which may be required if the camera is mounted in the ceiling.

OSD
Text on the picture (On Screen Display). Time and camera name can be selected.

Night Vision
Infrared (IR) light can be turned ON/OFF. Video displayed with IR, is black/white (not color).
IRCUT defines when the infrared light is turned on.
You can select three different options for IRCUT: Auto, Manual and Timing.

14. APP – SafeHomeSmartP2P

To access, operate and view the camera using a smartphone/tablet, please download the SafeHomeSmartP2P APP (for SafeHome L-Series, M-Series and X-Series), available on Google Play and App store.

For iPad, app can be downloaded as an iPhone app. The camera can be connected to the app in three different ways. Click “add camera” and then connect using option 1, 2 or 3.

1. Click Scan QRCode, scan the QR code from the label placed on the camera.
2. Do a LAN search, enabling the app to search the network for active cameras (when doing a LAN search, make sure that your smartphone/tablet has WiFi turned on).
3. Alternatively, the setup can be done manually, by submitting the camera DID. The camera DID is found on the same label containing QR code.

When the camera is located, write the camera username and password, and click “Done”.

Accessing your camera from the SafeHome app, makes you able to adjust lighting levels/contrast/resolution, taking snapshots, recording video etc. Advanced settings enables setting up email, users, alarms and more, as when using a computer.

Be aware, camera setting changes done in the app, also will affect the camera, when accessing it from a computer - And likewise for computer settings. Particularly the sensitivity level is a good example. When changed in the app, it will cause the windows 2, 3 and 4 to become inactive, only window 1 will be active and sensitivity set according to the given level chosen.

15. Reset

Outdoor cameras: The white reset button is located at the end of an external cable.

Indoor cameras: The reset button is located on the back or at the bottom of the camera.

Turn on the camera and wait for approximately 5 min. Then hold the reset button for 30 seconds, afterwards factory settings will be restored.

16. Camera mounting

When a suitable place for the camera is located, the WiFi signal must be tested, if the camera should use a wireless (WiFi) signal. Usually the camera must be mounted within 10 meters from the router, but local conditions or router signal strength can cause shorter distance. Devices and materials like water, metal and concrete (radiators, aquariums, refrigerator, freezer, electric control panels and products, TV screens, walls etc.) can disrupt and destroy the WiFi signal significantly.

Many routers are directional, just a little twist of the router, may solve a signal problem. The location of the router can also solve a signal problem, eg. move the router from a far corner to the middle of the house. If movement of the router does not solve the signal problems, you may possibly install one or more WiFi repeaters to extend the area of the WiFi signal. If it is not possible to achieve WiFi signal for the camera, it must be used with cable. It is recommended to use a cable of good quality, to get a good signal quality.

Outdoor mounting

Mount the outdoor camera under eaves or similar. Please note, raindrops and direct sunlight can degrade the quality of the image.
Drill a hole in the wall and pull the cables through for making an indoor connection or mount a waterproof electrical box outside for assembling the power supply and electricity.
Adjust the camera to the right angle - the area to be monitored - and secure it with screws to the wall.

17. Technical specifications

For all models:

Wireless Specifications

Wireless Speed:	IEEE802.11 b/g/n 150 Mbps
Wireless Frequency:	2,4 Ghz
Channel:	1-13

Software Specifications

Protocol and standard:	TCP/IP, UDP/IP, HTTP, SMTP, FTP, DHCP, DDNS, UPNP, NTP, RTSP, ONVIF
Security:	PA-PSK, WPA2-PSK, WEP encryption
Image Compression:	H.264 /M-JPEG
Max. framerate:	30 fps
Code Rate:	5 Mbps
Account permissions:	3 levels
Motion Sensor:	Yes
Manage Software:	SafeHomeSmartP2P App (Android/IOS) IP/DDNS View Client software (Android/IOS) PC/MAC control & management platform
NVR support:	Yes
ONVIF Support:	Yes
FTP Support:	Yes

Other

Temperature, °C:	Operating -10 to 50, Storage -40 to 70
Humidity:	Operating 10 to 90%, Storage 3 to 90%
Certificates:	CE, FCC, Rohs, Ecodesign (PS only)
Easy Setup:	YES - P2P, Scan QR Code, WPS - One Touch WiFi Configuration
Image sensor:	CMOS Color
Power Supply:	Indoor: 100-240V (50/60 Hz)/5V, 0.5A Ecodesign Approved Outdoor: 100-240V (50/60 Hz)/12V, 1A/2A Ecodesign Approved

For each model

Indoor

1 MP HD P2P, Fixed

Model:	278047-NordicX
Type:	H.264, Indoor Cube HD
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build-in Reset button Build-in microphone Audio Out 3.5 mm 11 IR LED/up to 8-10 m
Pan/tilt:	N/A
Memory:	Micro Slot op til 32 GB
Max. Resolution:	1280 X 720
Lens:	IR-Cut
Dimension, mm:	60 X 70 X 130
Power Input:	5V DC, < 4W
Audio:	Two-way audio, Compression: ADPCM

1 MP HD P2P, Pan/tilt

Model:	278048-NordicX
Type:	H.264, Indoor PT Dome HD
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build-in Reset button Build-in microphone Audio Out 3.5 mm 11 IR LED/up to 8-10 m
Pan/tilt:	H: 290°, V: 120°
Memory:	Micro Slot up to 32 GB
Max. resolution:	1280 X 720
Lens:	IR-Cut, f= 3.6mm, F=2.0
Dimension, mm:	99.5 X 99 X 125
Power Input:	5V DC, < 6W
Audio:	Two-way audio, Compression: ADPCM

2 MP FULL HD P2P, Pan/tilt

Model:	278049-NordicX
Type:	H.264, Indoor PT Dome 1080P
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button Build-in microphone Audio Out 3.5 mm 8 IR LED/up to 8-10 m
Pan/tilt:	H: 350°, V: 100°
Memory:	Micro Slot up to 32 GB
Max. resolution:	1920 X 1080
Lens:	IR-Cut, f= 4.2mm, F=2.0
Dimension, mm:	99.5 X 99 X 125
Power Input:	5V DC, < 6W
Audion:	Two-way audio, Compression: ADPCM

Outdoor

1 MP HD P2P - 36 LED

Model:	278050-NordicX
Type:	H.264, Outoor Bullet HD
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 36 IR LED/Up to 20 m
Pan/tilt:	N/A
Memory:	N/A
Max. resolution:	1280 X 720
Lend:	IR-Cut, f= 3.6mm, F=2.0
Dimension, mm:	180 X 67 X 67
Power Input:	12V DC, < 7W
Audio:	N/A

Outdoor Continued

2 MP FULL HD P2P - 36 LED

Model:	278051-NordicX
Type:	H.264, Outoor Bullet 1080 P
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 36 IR LED/Up to 20 m
Memory:	N/A
Max. resolution:	1920 X 1080
Lens:	IR-Cut, f=3.6mm, F=2.0
Dimension, mm:	180 X 67 X 67
Power Input:	12V DC, < 7W

1 MP HD P2P - 2 Array LED

Model:	278052-NordicX
Type:	H.264, Outoor Bullet HD
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 2 Array IR LED/ Up to 20 m
Memory:	N/A
Max. resolution:	1280 X 720
Lens:	IR-Cut
Dimension, mm:	177 X 79 X 76
Power Input:	12V DC, < 8W

1 MP HD P2P - 2 Array LED, 8GB

Model:	278053-NordicX
Type:	H.264, Outoor Bullet HD
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 2 Array IR LED/ Up to 20 m
Memory:	8 GB Inside
Max. resolution:	1280 X 720
Lens:	IR-Cut
Dimension, mm:	177 X 79 X 76
Power Input:	12V DC, < 8W

2 MP FULL HD P2P - 24 LED, 8GB

Model:	278054-NordicX
Type:	H.264, Outoor Bullet 1080 P
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 24 IR LED/ Up to 20 m
Memory:	8 GB Inside
Max. resolution:	1920 X 1080
Lens:	IR-Cut
Dimension, mm:	177 X 79 X 76
Power Input:	12V DC, < 10W

2 MP FULL HD P2P - 5 Array LED, 8GB

Model:	278055-NordicX
Type:	H.264, Outoor Bullet 1080 P
Interface/Design:	1 X 10/100 Mbps RJ45 WiFi Build in Reset button 5 Array IR LED/ Up to 20 m
Memory:	8 GB Inside (Up to 64 GB slot)
Max. resolution:	1920 X 1080
Lens:	IR-Cut
Dimension, mm:	177 X 79 X 76
power Input:	12V DC, < 10W

18. Disclaimer, copyright and support

SafeHome ApS is not liable for any errors in the manual in hand.
SafeHome ApS is not liable for for faulty products, collaterat, incidental or consequential damage in connection with or arising from the use of SafeHome Wireless IP cameras X-series.
SafeHome ApS reserves the right to revise and change all aspects of product and manuals
with no further notice.
This product is not a toy and should not be used as such.
Please consult local rules, laws and regulation concerning surveillance og public and private areas or properties. SafeHome ApS can not be held responsible for any violations in this regard.
Products shall not be operated by children or persons who may be expected not to have the necessary psyche or physique to operate them properly. User must always be supported
by competent adult user.

For support and further information visit www.safehome.dk