

IP Nest Box Camera

1080p HD Colour with Audio & Infrared night vision.
2 Megapixel, Starlight imaging

This IP colour camera has been primarily designed for use in Gardenature nesting boxes where it will produce colour images down to extremely low light levels, but it is very capable of many other applications too! This 2-megapixel IP camera incorporates latest technology 'Starlight Imaging' and 'IR-Cut' filtering which together produce the most stunning high definition HD 1080p colour images.

This high spec IP camera has a built-in light sensor that gradually switches the x10 night vision LEDs supplementing loss of light with an invisible infrared (IR), this produces sharp black & white images in complete darkness for 24-hour viewing. *It is important to remember that when installing this type of camera into your own nest box or enclosed habitat that it will produce B&W images if there is not enough natural light.*

The camera also houses a highly sensitive microphone, so you can hear as well as see what's going on. The camera has a 4mm lens producing the ideal 92 degree viewing angle.

The lens has been pre-focused, but it can very easily be adjusted to suit other applications if required.

The camera is not waterproof, it must be positioned in a sheltered enclosure such as a Gardenature camera ready bird box or habitat such as a hog box, aviary, rabbit hutch, dog kennel or even up in the eaves of your house, the list of possibilities is endless. We advise you not to fix the positioning until you have viewed the day/night camera image.

Before you start.

Please read these instructions all the way through and then initially set up your IP Camera Kit indoors to familiarise yourself with the connection procedures, and to ensure everything is working. *Please note that cables are not covered under warranty once they have been installed.*

Camera to POE & Router quick set up.

Do not fit the weatherproof RJ45 connectors together until you have tested your camera and are ready to permanently install the kit outside. (see Step 5 overleaf)

1. Observing the clip position connect the non-booted end of your long cable into the camera port.
2. Connect the other end of the long cable into the POE injector port marked 'POE'
3. Connect the short cable into the POE injector port marked 'LAN'
4. Connect the other end of the short cable into a spare RJ45 port on your router
5. Plug the mains lead into your POE injector and the other end into a mains power socket and switch on.

The 12vDC input at the camera is only used where a POE injector is not in use and the project requires direct 12vDC power to this port.

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Viewing your Camera via an App

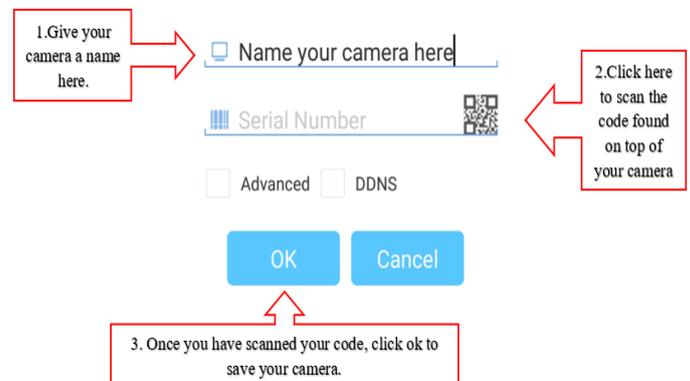
To view your Network IP camera on a smart phone or tablet you will need to download a compatible App from Apple, Play or Amazon store.

The App we recommend to download is called 'XMEye' please type this into your search and it will come up.

Once installed, open the programme and click on 'Local Login' in the bottom left of your screen.

To add your camera / device.

Press the + icon in the top right of the screen on your device then follow the steps scanning the QR code on your camera:



Your Camera is pre-set with the password key: 54321
please input this when prompted.

When complete you should be able to view live and record the camera on your smart phone or tablet.

Note that the **blue light** on the connector at the camera end is to confirm power, the flashing **green light** confirms that data is being received.

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Privacy

Once you have logged into your camera via the App, we advise that you set up a new password on your camera to keep it private.

IOS: whilst viewing the camera, click on the Settings icon, then 'User Management' Current Password leave blank, Input New Password and Confirm Password again.

Android: whilst viewing the camera, click on the Home icon, Then 'Password' Current Password leave blank, Input New Password and Confirm Password again.

Viewing on a PC

This IP camera is intended for viewing through an App, it is also possible to view the camera on a desktop PC or Laptop using alternative software programmes that are readily available to download online.

We recommend a free software programme called **CMS** and have made a download link available for it on the Gardenature website. Click on our **Advice** tab and you will see the **Product Guides** heading on the left of the page, click on item **8: IP Camera - CMS Software** and follow the directions.

Camera and positioning

Once you have decided where to site the camera fix the separate U shape Camera Bracket with the two screws provided. Then position the camera angle by swivelling the camera on its own bracket then gently tighten x2 screws on the sides of the camera, *do not over tighten*. Now slide the camera fixing down into the camera bracket being careful not to force the prongs forward otherwise the camera will not be held tightly.

The camera has been pre-focused, but you can adjust this to suit your project by loosening the tiny grub screw on the lens barrel and gently turning the lens left or right a few mm. Note that birds will build their nest towards the back of a nest box and 3 - 4cm above the floor area so use this as a focus point.

Cable Connector

When you are sure of the camera positioning you can fit the cable connector together.

The long Cat5e Ethernet cable has two slightly different ends; the one that is not booted will connect to the camera port as illustrated below:



The POE injector sends the required 12v DC to the camera down the same cable, as described in Step 2.

At the camera end, we recommend the cable connections and the (unused) 12v DC input are neatly tucked away inside the nest box to keep tidy and sheltered where possible as these are not IP rated as waterproof.

Never allow cables to dangle freely inside a nesting chamber or habitat. Gardenature camera ready nest boxes and habitats are available to purchase and already have camera clips and safety cable trays installed for this purpose.

STEP 7: Getting the cable into your house

*Do **NOT** shut the cable in a window or door aperture, this will cause internal damage to the cable and possibly camera failure.*

To get the cable into the house drill a 15mm hole through your wall, window frame or airbrick. Feed the cable into the house being careful not to pull the RJ45 plug off. Ideally you can use a thin piece of metal rod such as a wire coat hanger to tape the cable to and pull through.

Further guidance, please visit the Gardenature website and go to the '**Advice**' tab, see '**Product Guide 1**' where you will find a short video: **Getting the cable through a wall.**

Quick Care / Maintenance Guide

When not in use, it is recommended that your Gardenature camera is carefully stored away to help keep it in good condition.

If you are using your camera during cold weather, we recommend that you always leave the power supply to the camera switched on to stop the camera from freezing.

Should you require any help or advice when installing your Camera System please feel free to send us an email or call us.

Warranty

This Camera is covered by a three-year warranty, proof of purchase will be required.

*Cables are **NOT** covered under warranty once installed.* Please test your kit before attempting installation.

Contents:

- IP Camera 2.0MP. H265 compression
- Weatherproof RJ45 Connector kit
- Quick Release Camera Bracket with screws
- Cat5e weatherproof Cable (optional length)
- POE Injector and Mains plug
- Short patch cable (POE > Router)

WEE: Waste electrical equipment should be disposed of at a suitable local authority facility for recycling.

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