

NITEforce

Stream LTE4G

User Manual



CE FC RoHS

Declaration of Conformity to Directive

2014/53/EU

CE Caution:

Hereby the manufacturer declares that this 4G LTE Wireless Trail Camera is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. A copy of the DOC, Declaration of Conformity to Directive 2014/53/EU, may be obtained thru the local distributor.

PLEASE READ CAREFULLY BEFORE USING CAMERA

Thank you for Purchasing your NITEforce Trail Camera

The NITEforce Stream LTE4G is a high-quality digital surveillance camera. It has been precisely engineered and tuned to provide you with optimal and consistent performance. This camera will provide high quality digital pictures and sound recording video for applications such as home, cabin and business surveillance and animal monitoring for hunting and research. It features a highly sensitive Passive Infra-Red (PIR) motion sensor and numerous setting options to tailor the camera to your particular needs. Camera offers you high quality product using many useful features like: Photo & Video sending, SIM setups auto match, daily report, SMS remote options with APP (Android & iOS), 15 meters invisible real night vision ability, 0.4 seconds trigger time, and 1 photo/sec (up to 5 photos per trigger) multi-shot to capture the whole track of object (anti-theft evidence), user friendly operational menu.

SPECIAL HANDLING PRECAUTIONS

The camera has been finely tuned. Avoid dropping and physical shock. This camera is designed for typical weather conditions (IP66). It is not waterproof for use underwater.

Carefully clean debris from camera lens, PIR, and LED platform. Avoid use of cleaning solvents. Camera contains precise electronic equipment. Do not attempt to open camera case yourself. Fog condensation may form on lens and electrical components when bringing into warm room from cold. To avoid this, first place camera inside a sealed plastic bag before bringing into warm room temperature. If condensation forms, remove SD card and batteries until camera is dry. Remove batteries when storing camera. Removing batteries from the camera during storage reduces the risk of battery acid leakage and battery drain. Battery leaks are not covered by the warranty. When using the camera, Do Not mix old and new batteries together in the camera. Use only High Quality AA alkaline batteries.

CELLULAR INFORMATION

This camera contains LTE 4G cellular module to transmit pictures or videos directly from the camera to your cellular phone and email address. It supports also 3G and 2G in remote areas. Under 2G network original picture size and video sending is not available due the small data upload speed. SIM card from a compatible provider is required to transmit images and videos. With original image size or 10sec HD video sending requires SIM card Upload speed minimum 5MB/sec support, or higher. If using MMS sending only, higher MMS picture sending charges will apply for sending photos via MMS and potentially receiving photos/emails by MMS. From the camera or APP, you can choose the send picture size: Small, Medium or Original. Original full mega-pixel photo/video is always saved to the SD card for future viewing. Operator SIM card costs and payment plans are between user and operator.

Camera Overview

Antenna

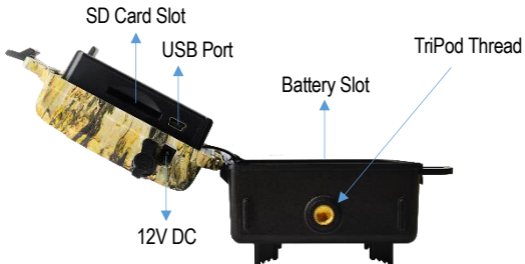


Dimmed PIR
Heat Motion
Sensor lens

Lens

Indicator Light
Light Sensor
(day/night)

Dimmed
InfraBlack
Flash (60 LEDs)



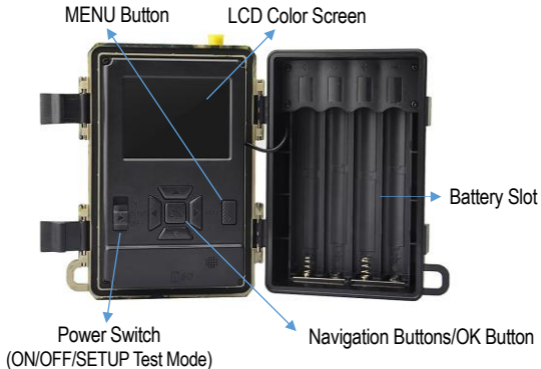
SD Card Slot

USB Port

12V DC

Battery Slot

TriPod Thread



GETTING STARTED

Check the Delivery Content

Trail Camera x 1

4G LTE Antenna x 1

Nylon Mounting Strap x 1

User Manual x 1

Needed for Operation?

8 x AA 1.5V Alkaline Batteries

1 x SD or SDHC Memory Card (2GB – 32GB slow read/write)

1 x SIM card (with LTE 4G High Speed support plan)



> MOUNT ANTENNA



Mount the LTE 4G antenna. Do not use camera outside without no antenna. It is protecting the antenna hub from rain

> INSERT SD MEMORY CARD

The camera supports both SD and SDHC memory cards up to 32GB. Use “slow” read/write speed SD cards. The camera does not have any internal memory for picture and video saving. Insert SD card as shown in picture!



> Push gently until SD card clicks into place

> Push SD card again to remove, if necessary

Note 1: Ensure SD card is NOT in locked position

Note 2: Format SD card in camera before using each time
This will create a file on the SD card where the camera will save images or videos

Note 3: It is always recommended to test the SD card by taking some pictures to ensure SD card works properly before leaving camera for extended periods of time

Note 4: Avoid using the “micro SD card” with adapter. Adapter may cause saving errors or increases power consumption if incompatible adapter is jamming camera

WARNING: Make sure camera is OFF when adding or removing SD memory card

> INSERT SIM CARD

Insert SIM card as shown in below picture:



The camera supports SIM card with LTE 4G High Speed. If original pictures or videos are sent, minimum Upload Speed 5MB/sec is required

> Push SIM card gently until it "clicks" into place

> If SIM cards needs to be removed, push again gently and you hear "click"

Note: Check your SIM card data plan speed details from your operator, before installing SIM card

> INSERT BATTERIES

Insert 8pcs Good Quality AA 1.5V Alkaline Batteries while ensuring polarity (+ / -) is correctly orientated. Please see below picture:



Note 1: Do Not mix old and new batteries together in the camera

Note 2: Do Not mix different branded batteries in camera

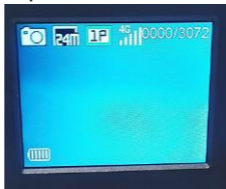
Warning: Remove batteries when storing the camera. Removing batteries from the camera during storage reduces the risk of battery acid leakage and battery drain. Any kind of Battery leaks are not covered by the warranty

**Camera is now ready for operation.
You only need insert your own e-mail address
and it will start sending pictures to You.
Please follow the next steps!**

1. Power on the Camera

Slide the Power Switch to **SETUP** mode

- LCD screen will light up with NITEforce logo
- Camera will login automatically to network
- Camera will pick up automatically the time / date from the operator



Press MENU key, you will enter the menu to view & change settings. Please press arrow keys for navigation and OK key to confirm settings.

Note: Camera Default settings are supporting immediate e-mail sending, you just simply need add your e-mail address

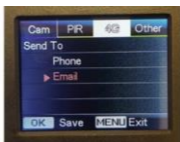
2. Insert your own e-mail address

Follow the below instructions and type your own e-mail address using the camera Menu as follows:

Choose “4G” from main Menu



“Send To”



> “Email”



> “Email 1”

Under “Email 1” you are able to write and Save your own e-mail address into the camera

“Save Cursor”

“Delete Cursor”



“Sub keys”

After you have typed your own e-mail address correct, and remember SAVE it, camera is ready for sending e-mails. You can return back to main Menu and slide the ON/OFF/ Power Switch button to “ON” mode. The camera will blink few times the Red LED when activating.

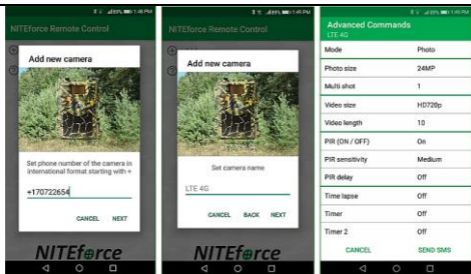
➤ **Camera is now activated and starts sending!**

3. Download APP for camera SMS remote commands

The camera SMS command Default mode is “Instant”. It means that camera is “listening 24/7”, if there are SMS commands coming from the camera owner fex “Get Image” or turning “ OFF / ON ” camera remotely.

You can find the download links to Android APP or iOS APP from **www.niteforce.mobi** website.

ANDROID APP



Android APP has Quick and Advanced Commands. You can add many NITEforce cameras under the same APP.

iOS APP

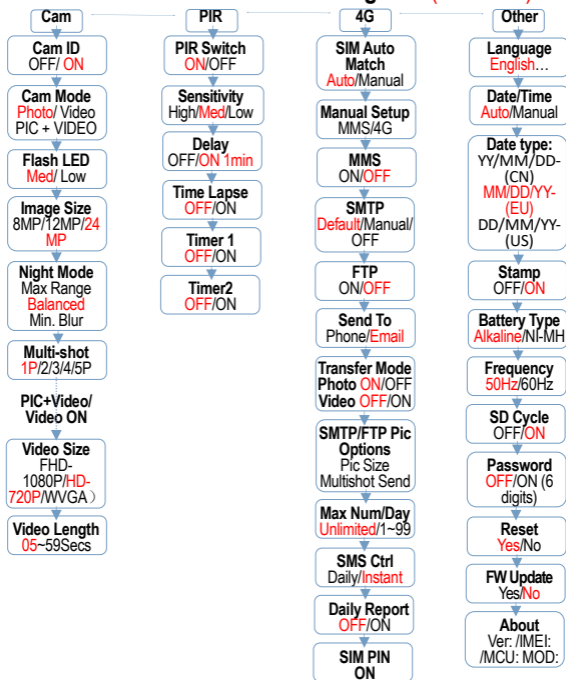
iOS APP is a generic SMS message sender APP which you can download from the APP Store. After download, you can insert & save manually the most common camera SMS Commands into the iOS APP.



SMS command list insert & save to iOS APP

Get Image	\$03*1#1\$
Camera OFF	\$01*27#1#1#2#10#1#2#0#1#0#1#0#1#0#0#OFF#OFF#OFF#OFF#1#0#1#OFF#OFF#0#0#0#0\$
Camera ON	\$01*27#1#1#2#10#1#2#0#1#0#1#0#1#0#0#OFF#OFF#OFF#OFF#1#0#1#OFF#OFF#0#0#0#0\$
Photo Mode	\$01*27#1#1#2#5#1#2#0#1#0#0#0#1#0#0#OFF#OFF#OFF#OFF#1#0#1#OFF#OFF#0#0#0#0\$
or	
Video Mode (10s HD)	\$01*27#2#1#2#10#1#2#0#1#0#1#0#1#0#0#OFF#OFF#OFF#OFF#0#1#1#OFF#OFF#0#0#0#0\$
Video Mode (5s FullHD)	\$01*27#2#1#1#5#1#2#0#1#0#1#0#1#0#0#OFF#OFF#OFF#OFF#0#1#1#OFF#OFF#0#0#0#0\$
or	
Photo + Video Mode ON (1photo / 10s HD video)	\$01*27#3#1#2#10#1#2#0#1#0#1#0#1#0#0#OFF#OFF#OFF#OFF#0#1#1#OFF#OFF#0#0#0#0\$
Send Photo Size (Small)	\$10*13#1#0#0#OFF#0#0#0#1#0#0#0#0\$
Send Photo Size (Medium)	\$10*13#1#1#0#0#OFF#0#0#0#1#0#0#0#0\$
Send Photo Size (Original)	\$10*13#1#2#0#OFF#0#0#0#1#0#0#0#0\$

What are the Camera Default Settings? (Red Font)



ADDITIONAL SETTINGS & ADVANCED USE

Additional settings are useful when there is a need to operate with the camera more advanced setting or configurations.

How to navigate with operation Menu?

Test mode, Press “Menu” once to enter camera setting menu; to navigate setting interface by pressing “←”, “↑”, “→”, or “↓”, press “OK” for selection, “Menu” to exit to previous page, and “Menu” to switch alpha/ digits/ symbols.

Note: For some settings user needs to press “Menu” to Save & Exit the configuration after pressing “OK” to confirm (Cam ID, Delay, Time Lapse, Timer, Password)

How to manually Connect the Camera to Network?

If it comes with a signal bar and no other pop-up window to LCD after start, it means the network is automatically connected. If it comes with a pop-up “SIM Auto Match failed...”, please go to “SIM Auto Match” under “4G”, select “Manual”, and fill in local operator APN details in “Manual

Setup”, the camera will connect to network to send photos.

Note: The camera can send photos to 4 e-mails or 4 phone numbers by MMS. If set to send photos to phones via MMS, the MMS picture price might be higher than using e-mail sending option. If you prefer more personalized way of sending, please configure in menu accordingly.

How to manually insert own sending e-mail account as a sender e-mail?

The camera uses Default robotic sending e-mail address as LTE4G@niteforce.mobi with SSL secure protected line. European GDPR Data Protection Policy regarding your privacy is safe since your pictures or videos are not stored or saved during the transmission. Your personal receiving e-mail address is not visible, used or shared by anybody during SSL protected wireless sending.

You can set your own sending e-mail account to camera under: Menu > 4G > SMTP > Manual >



If you choose to use free e-mail service providers, such as Yahoo or Gmail, make sure you use correct parameters with their service.

Below are known Gmail parameters:

Mail Server IP: smtp.gmail.com

Port: 465

Mail Account: xxxxxxxxx @ gmail.com

Mail Password: xxxxx *your real password* xxxxx

Important: You need to lower your Gmail account security level by allowing it use “Less Secure Apps”. This can be done in following links

<https://myaccount.google.com/lesssecureapps?pli=1>

or

www.google.com/settings/security/lesssecureapps

If you don't enable “ON” the “Less Secure Apps use” in your Gmail settings, it will not allow your camera use it as a sender address.

If having sending problems such as lost pictures or delayed picture deliveries with Gmail, check the latest error information from Google Gmail service provider, its their system.

Below are known Yahoo parameters:

Mail Server IP: smtp.mail.yahoo.com

Port: 465

Mail Account: xxxxxxxxx @ yahoo.com

Mail Password: xxxxx *your real password* xxxxx

Important: You need to lower your Yahoo account security level by allowing it use “Less Secure Apps”. This can be done in following link

<https://login.yahoo.com/?done=https%3A%2F%2Flogin.yahoo.com%2Faccount%2Fsecurity%3Fscrumb%3D0#less-secure-apps>

If you don't enable “ON” the “Less Secure Apps use” in your Yahoo settings, it will not allow your camera use it as a sender address.

If having sending problems such as lost pictures or delayed picture deliveries with Yahoo, check the latest error information from Yahoo mail service provider, its their system.

If camera is not sending with free e-mail service provider e-mail accounts fex Gmail or Yahoo, how to verify that my camera is still working and sending?

Please enable Default sender setting back to "D"

Choose "4G" from main Menu



"SMTP" > "Default" > "OK"

Now your camera sends e-mails from Default e-mail address (LTE4G@niteforce.mobi) account again.


How to Playback Video or Photo?

Turn “Power Switch” to SETUP position to enter test mode, press arrow button “↑” to enter Playback; press “←” and “→” for selection, “OK” to play photo/video.

- 1) Press button “↑” again to exit
- 2) In Playback Mode, press “Menu” button to delete files, or format SD card; press “Menu” again to exit

How to Delete Pictures or Videos from SD Memory card?



Go main view, press Arrow  UP > Menu > Delete

- a) Delete one: delete selected photo/video
- b) Press “OK” to choose, press “↑” and “↓” for selection, “Yes” to confirm, “No” to exit to previous page
- c) Delete All

How to Format SD Memory Card?

Go main view, press Arrow  UP > Menu > Format

- a) No
- b) Yes: to format SD card via camera

c) Press “←” and “→” for selection, “Yes” to confirm, “No” to exit to previous page

Camera Auto Power Off Feature?

In Test mode, camera will automatically power off in 4 mins if there is no touching keypad button. Please manually turn it ON if you want continue further configuration.

Camera with USB Cable Connection?

When camera is connected via USB cable to PC, the LCD screen display “MSDC”, press “Menu” once, “MSDC” turns to “PC Cam”, camera now can be used as a PC camera; press “Menu” again, camera exits PC camera mode.

Powering Camera

Low battery power is seen with arriving picture time stamp icon. If using the video sending, the low power can be seen when the flash is no longer illuminating the whole video clip as bright as with new fresh batteries. Flash “dies” and gives darker night time videos with empty power sources.

8pcs AA 1.5V Alkaline battery use

You can use your camera with 8pcs of AA 1.5V high quality Alkaline Batteries. Batteries should be inserted with correct electrode position as marked in battery case. Incorrectly inserted batteries will cause device damage.

Do Not mix old and new batteries together in the camera.

Do Not mix different branded batteries in camera.

Warning: Always remove batteries when storing the camera.

Removing batteries from the camera during storage reduces the risk of battery acid leakage and battery drain. Any kind of Battery leaks or problems are not covered by the warranty.

Due to different settings, amount of activities within camera detection zone, different brands and quality of batteries and time of the year (summer vs winter), we are not able to give you exact number of photos and/or videos that camera can achieve.

You can add your camera operation time connecting the camera to 12V external battery or Power Adaptor. You can remove the internal AA Alkaline batteries during the external power source time.

12V External Battery use

You can connect your camera to external 12V battery with NITEforce battery cable (accessory). Using 12V external battery you will achieve longer operation time on the field. 12V LeadAcid batteries are available from battery specialized stores. Please see examples:



Good and High Capacity battery choices for colder winter time months use are for example 12V / 7Ah or 12V / 10Ah or 12V / 12Ah LeadAcid batteries. More Capacity = Longer Operation time. If external battery is used under extreme cold winter circumstances, you can place the battery inside the plastic bag and bury the external battery under the snow layer. Snow layer will be protecting the external battery frozen when cold (-10 °C or colder).

Note 1: Camera Operation Temperatures are -20°C ... +50°C

Note 2: Check your Battery Operation Temperatures from dealer

When the external battery power is dropping below 11V, its time to re-charge your battery with 12V Power-Charger.

When camera is connected to External 12V Battery, the power status is not able to see with arriving picture time stamp icon. Icon will show always “Full”. If using the video sending, the low power can be seen when the flash is no longer illuminating the whole video clip as bright as with new fresh battery did. Flash “dies” and gives dark night time videos with empty power source.

230V / 12V DC Power Adaptor (indoor use)

The camera can also be powered by an external 230V indoor Power Adaptor which has 12V/2A DC output:



Use ONLY Manufacturer Approved 230V / 12V 2A DC Power Adaptors with the camera. Power adapter is available as a separate accessory. Warranty will Not cover, if camera has damaged with Power Adaptor which is Not Approved by the manufacturer. Check the Power Adaptor recommendations from your camera dealer.

It is recommended to remove the AA Alkaline batteries when Power Adapter is used. Electrical 230V / 12V power adaptor is recommended for indoor use like security use at home or office.

SD or SDHC Memory Card

Using a memory card is required to operate with the camera. Use "slow" read/write speed SD cards. Avoid using the "micro SD card" with adapter. Adapter may cause saving errors or increases power consumption if incompatible adapter frame is jamming inside the camera.

Note: Check your SD Card Operation Temperatures from dealer

When the camera is "ON" and no memory card is used, the screen displays "No card". The SD slot of the camera has 2GB - 32GB SD Memory Card compability.

Before inserting or removing the memory card, the camera must be turned "OFF". Failing to do so may cause loss of or damage the pictures / videos already recorded. When the SD card is full, the viewing screen shows "Memory Full".

The following data shows an Approximate quantity of photos or videos estimation which can be recorded by the camera depending on the memory card capacity:

SD Size Capacity	4 GB	8 GB	16 GB	32 GB
Photo (pictures)				
8 MP	2104	4238	8476	16952
12 MP	1445	2910	5816	11632
24 MP	735	1480	2957	5914
Video (hours)				
WVGA	04:01:48	08:20:44	16:05:45	33:56:02
HD	02:50:42	05:52:35	11:38:43	24:09:16
FHD	01:58:31	04:27:27	08:30:21	18:04:52

CAMERA MENU SETTINGS with APP

Below are the camera Menu settings. You can do many of below Menu setting changes remotely with the NITEforce APP. You can find the APP download links from NITEforce International website:

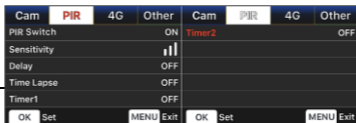
www.niteforce.mobi

CAMERA MENU SETTINGS

Cam	PIR	4G	Other	Cam	PIR	4G	Other
Cam ID			OFF	Multi-shot			1P
Cam Mode				Video Size			HD
Flash LED			All	Video Length			05
Image Size			8M				
Night Mode							
OK Set		MENU Exit		OK Set		MENU Exit	

Cam	
Settings	Options
Cam ID	<p>Select "ON", press "OK", to set 12 digits/ alphabets for each camera. Such function can help user to identify photos are from where and which camera</p>
Cam Mode	<p><i>Photo, Video, PIC+VIDEO</i></p> <p>1) Photo: camera shoots photos only based on configured Multi-shot & Image Size</p> <p>2) Video: camera shoots videos only based on configured Video Length/Size</p> <p>3) "PIC+VIDEO", camera shoots photo(s) first, then video upon same trigger event based on Video Length/Size and Multi-shot/ Image Size user configured</p>

Flash LED	<p><i>High/Low</i></p> <p>High: IR LEDs will be full powered in dark environment</p> <p>Low: IR LEDs will be half powered in dark environment</p>
Image Size	8MP (3264*2448), 12MP (4032*3024), 24MP (5632*4224)
Night Mode	<p>1. Min. Blur: Short exposure time to minimize motion blur for better image quality; shortened IR flash range</p> <p>2. Max. Range: Longer exposure time to extend IR flash range for better night vision; lower image quality</p> <p>3. Balanced: combination of above 2 options</p>
Multi-shot	Programmable 1~5 photos per trigger
Video On	
Video Size	FHL-1080P (1920*1080), HD-720P (1280*720), WVGA (848x480)
Video length	05~59 Secs



PIR	
Settings	Options
PIR Switch	<p><i>OFF/ON</i></p> <p>Note:</p> <p>With PIR Switch off, camera will not be able to take photo/ video per motion</p> <p>With PIR Switch on, camera is able to take photos/ videos per motion even when Time Lapse is ON</p>
PIR Sensitivity	<p><i>High, Medium, Low</i></p> <p>Higher sensitivity is 1) more sensitive to movements by smaller subjects; 2) longer detection distance; 3) easier for sensor to detect difference between body heat and outdoor temperature; 4) easier to trigger camera to record.</p> <p>In high temperature environment, body heat of subjects and environment temperature is hard to tell by camera, suggest setting High.</p>
PIR Delay	Select "ON", press "OK", to set a time interval

	<p>between photos or videos upon motion. This option can avoid camera taking too many photos or videos. Example: Camera will wait 1 minute between photo/video recordings with motion if pre-set time interval is 00:01:00</p> <p>Configurable delay time: 00:00:05~23:59:59</p>
Time Lapse	<p>Select "ON", press "OK", to set the interval; camera will shoot pics or video clips automatically upon the interval user set. Object motion can still trigger the camera to take photos/ videos if PIR Switch is ON. Configurable interval:</p> <p>00:00:05~23:59:59</p>
Timer1	<p>Select "ON", press "OK", to set the beginning time and end time (hour/minute): camera will only work during the time period user set. fex: 15:00 – 18:00 camera only works during 15:00 – 18:00</p>
Timer2	<p>Select "ON", press "OK", to set the beginning time and end time (hour/minute); camera will only work during the time period user set. Example: 15:00 – 18:00 camera only works during 15:00 – 18:00</p>

Cam	PIR	4G	Other	Cam	PIR	4G	Other	Cam	PIR	4G	Other	
SIM Auto Match				Send To				Daily Report				OFF
Manual Setup				Transfer Mode				SIM PIN				ON
MMS			ON	SMTP/FTP Pic Options								
SMTP			D	Max Num/Day		Unlimited						
FTP			ON	SMS Ctrl		Daily						
OK		Set		MENU		Exit		OK		Set		

4G SENDING OPTIONS

SIM Auto Match

1. Camera will automatically enter 4G setups when the SIM card is inserted
2. If "**SIM Automatch failed, pls enter setups manually**" pops up on screen, switch "**SIM Auto Match**" to "**Manual**" mode, then enter 4G setups in "**Manual Setup**"

Manual Setup

Enter setups below manually in "Manual" mode if your local operator can't be automatically matched by camera itself

Manual
MMS
insert

Contact your operator for MMSC/APN/Proxy/Port (Username & Password if required) and enter these info manually
* With MMS setups added, camera can send photos to preset phones/ email. If MMS is with wrong information entered, then phones/ email

	<p>accounts will not be able to receive photos from camera</p> <p>* Email accounts receive photos from camera via SMTP only when SMTP is ON and with correct SMTP info entered</p> <p>* Camera is not able to send pics to emails via MMS when SMTP is ON</p>
Manual 4G insert	<p>Enter your local operator's 4G APN, and corresponding Username and Password</p> <p>Note: Only with 4G setups added, can SMTP and FTP functions work</p> <p>Note: Its not a must to enter Username and Password of APN, but some operators may require this password access to enable 4G function. For details, contact your local operator</p>
MMS	<p><i>ON/OFF</i></p> <p>You can simply choose to allow pics to be sent to your phone number via MMS by switch ON/ OFF MMS function here. MMS can only send small size pics to your phone number</p>

SMTP Sender E-mail Address

Camera comes with Default (D) SMTP Sender e-mail Address setup. You only need to enter receiving email account in "Send To" Menu selection

Send To

LTE 4G model is able to send photos and/or videos to your e-mail address or phone number by MMS

Email	Enter recipients' email accounts (1~4)
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Phone (MMS)	Enter recipients' phone numbers (1~4)
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Transfer mode

This function allows camera to send photos or videos, or both

Photo	ON/ OFF
-------	---------

Video	ON/ OFF
-------	---------

SMTP e-mail Picture size Options

Pic Size: Small/ Medium/ Original; Pictures sent via e-mail are in optional size as **S**mall (640*480), or **M**edium (1920*1440) or **O**riginal (8M/ 12M/ 24M)

MultiShot Send

1st/2nd/3rd/4th/5th Pic. This function works with MultiShot

Example: MultiShot is set as 5P and you choose 1st Pic and 3rd Pic in MultiShot Send. Then the 1st photo and 3rd photo taken from the 5 pics MultiShot will be sent out to your email.

Note:

1. Only 1st Pic (640*480) will be sent if the network around is only with 2G available
2. Only 1st Pic (640*480 or 1920*1440) will be sent if the network around is only with 3G available
3. 1st to 5th Pics (640*480 or 1920*1440) can all be sent with 4G network. Original size pics (8/12/24MP), only 2 pics can be sent with 4G network

Max Num/Day

Default: unlimited

Optional: 1~99

Example: user chooses 50, then camera will only send (Photos/Videos) 50 times every day. Each time, camera will send to all entered email / phone accounts. All the rest photos/ videos upon triggers will only be stored in SD card.

SMS Ctrl (Remote Control by APP)

Daily: (Uses less battery power)

Camera will only be able to change & save setups remotely when camera is triggered to shoot photos/ videos or once a day in daily report time

Instant: (Uses little bit more battery power)

Camera 4G module is stand-by all the time (24/7). Camera setups can be changed and saved whenever you sent the remote SMS setup commands via APP

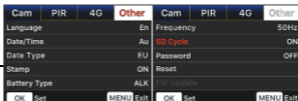
Daily Report

OFF / ON

Choose ON to enter to set up a time when you want camera to send you the Daily Report. Contents contain in Daily Report: Device IMEI Number, CSQ (Signal Strength): 0~31, Camera ID, Temperature, Date & Time, Battery Left Volume, SD Card Info, Total Pics Taken by Cam, Send Times

SIM PIN

If your SIM has been activated before inserting camera, and SIM card has No PIN code on. "Input PIN Code" will Not pop up after signal search if your SIM is activated



Other	
Language	English, German, French, Italian, Russian, Polish, Hungarian, Czech, Finnish
Date/Time	<p>Auto/Manual</p> <p>Auto: camera will synchronize data/time after you enter your time zone info</p> <p>Manual: manually set date/time date : Month : year, hour : minute : second</p> <p>Note: Adjust camera date/time to ensure some functions work as expected</p>
Date Type	<p>Date type:</p> <p>YY/MM/DD-(CN)</p> <p>MM/DD/YY-(EU)</p> <p>DD/MM/YY-(US)</p>
Stamp	Imprints of programmed camera ID, moon phase, temperature, date and time on photo
Battery Type	<p>Alkaline</p> <p>Choose correct battery type of using batteries in camera makes camera perform better</p>

LCD Frequency	50HZ, 60HZ: Improper setting may cause camera LCD screen flicker
SD Cycle OverWrite	Select "ON", press "OK", camera will continue to record photos/videos by deleting earliest photos or video clips
Password	Select "ON", press "OK", to enable password protection for your camera. Support totally 6 digits/ alphabets long password access
Reset Default set	Select "Yes" to reset camera back to Factory Default Settings
FW Update	Camera has the latest and newest FirmWare inside the camera. If needed, the FirmWare update can be done by the Authorized local NITEforce technical service partner company
About	FirmWare version in camera (Version: / IMEI: / MCU:/MOD:)

TECHNICAL SPECIFICATIONS

Specifications are subject to change without prior notice.

Wireless Support	LTE 4G (3G & 2G also supported)
MegaPixels	24MP (12MP, 8MP)
Pic Format	.JPG
Video Resolution	FullHD (1080), HD (720P), VGA
Video Format	.MOV
Send Video Clip Length	10 Sec (HD), 5 Sec (FullHD)
Video Clip Lengths	5 - 59 Sec
Selectable send Pic size	Small, Medium, Original
Photo Shoot	1 - 5
Pic + Vid Capture	Yes
Invisible Flash 940nm LEDs	60pcs
Flash Max Range	15m
PIR Max Detecting Range	15m
PIR Trigger Speed	0.4 Sec
PIR Angle	52°
Adjustable PIR Delay	5 Sec - 24h
PIR ON/OFF	Yes
PIR Sensitivity Adjustment	Low, Medium, High
Camera Remotely ON/OFF	Yes
Time Lapse (ON/OFF)	5 Sec - 24h
Timer	Yes
SD Card OverWrite	Yes
Lens	F3.0 / FOV 58°
Color Daytime Pic & Vid	Yes
Black/White Night Pic & Vid	Yes
Time & Date Stamp	Yes
Moon Phase Stamp	Yes
LCD Screen	2.4" Color
Camera Case	Camo / Olive Green
Mounting	Strap / Cable
Tripod Thread	1/4" -20
Battery Power Source	8 AA Alkaline Batteries (not incl)
External Power Port	12V
SD Card Support	2GB - 32GB (not incl)
Weather Proof	IP66
Operation Temperatures	-20°C ... +50°C
Operation Humidity	5% - 90%
USB Port	Yes

MOUNTING OF THE CAMERA

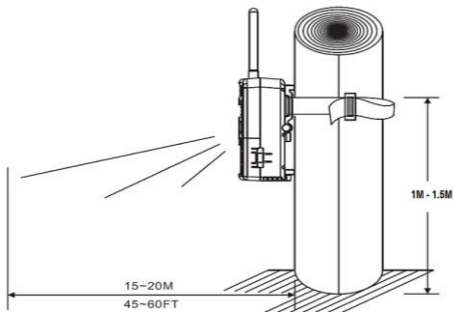
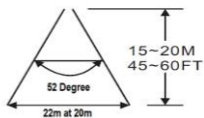
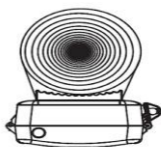
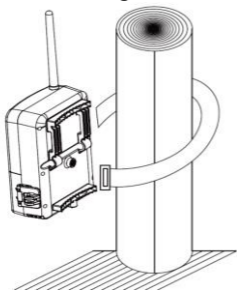
This camera is designed to use the Nylon mounting strap (included) to obtain maximal mounting versatility. Camera can be securely locked with cable lock (sold separately).

It is recommended to mount the camera 1m – 1.5m height pointing to desired area and 7m away from target center area for maximum sensitivity in most situations. Adjustments may be required depending on animal size and environment. PIR motion detection distance changes based on ambient temperature and setup. Higher ambient temperatures will reduce PIR motion detection range thereby requiring camera to be closer to desired location. Mounting camera too high or angling camera may result in animal or humans going under or above the PIR motion detection range.

Angle the camera perpendicular to the ground to maximize the Flash lighting potential.

Note: Cars and other motorized vehicles are not animals. Those are emitting heat motion differently vs humans and animals. Cold engine is not emitting heat.

Tree Mounting



Trouble Shooting

Camera is Not Sending Videos?

* Please check the SIM data plan transfer speed from your operator. The camera supports SIM card with LTE 4G High Speed. If videos are sent, minimum **Upload** Speed 5MB/sec is required from your SIM data plan. Low Speed “2G” data plans are not able to transfer videos (too slow).

* Please check that you are using external 12V battery especially during the winter months. Video sending during the cold winter requires Power. Small AA batteries could be frozen more easily (power is frozen).

Camera is Not Sending Original Pictures?

The camera supports SIM card with LTE 4G High Speed. If Original size pictures are sent, minimum **Upload** Speed 5MB/sec is required. Low Speed “2G” data plans are not able to transfer Original pictures and images.

- Check the Power sources

Photos Do Not Capture Subject of Interest?

- * Check the “PIR Sensor Level” (PIR sensitivity) parameter setting. Warm environmental conditions, set the PIR Sensor Level to “High” and for cold weather use, set the sensor for “Low”.
- * Try to set your camera up in an area where no heat resources are in the camera’s field of view (lake, river)
- * In some cases, like camera near water will make the camera take images with no subject in them. Try to aim the camera over ground.
- * Try to set camera on stable and immovable objects
- * At night, PIR motion detector may detect beyond range of the Flash illumination. Reduce distance setting by adjusting PIR sensor sensitivity.
- * Rising sun or sunset can trigger sensor. Camera must be reoriented.
- * If person or animal moves quickly, it may move out of the camera’s field of view before photo is taken. Move camera further back or redirect camera.
- * Try to avoid setting the camera up on small trees that are prone to being moved by strong winds.

* Remove any obstacles which are right in front of the camera lens.

Camera Stops Taking Images or Won't Take Images?

* Please make sure that the SD card is not full. If the card is full, camera will stop taking images. Or turn "ON" the OverWrite SD Cycle Recording to avoid such problem.

* Check the Power. Make sure that Alkaline AA batteries and/or external battery has enough power for camera to work.

* Make sure that the camera power switch is in the "ON" position and not in the "OFF" or "Test" modes.

* When 4G function is on, there will be around 1 minute interval for camera to send out photo or video before camera shooting the next photo.

* Please format the SD card with camera before using or when camera stops taking images.

Night Vision Flash Range Doesn't Meet Expectation?

- * Please check the Power sources: AA Alkaline and/or external battery conditions.
- * "Max Range" offers better flash range. Given flash range values are based on Max Range setting. Please adjust Night Mode to Max Range for better night vision flash range.
- * High-quality AA batteries can offer much stable flash range.
- * Use external battery especially during winter when capturing night videos.
- * To ensure accuracy and quality of night time image, please mount camera to dark environment without any obvious light sources
- * Surroundings like trees, walls and ground, the flash range can get you better night time images
- * Do not aim camera to the total open field when there is nothing within flash range to reflect flash back. It's like shining a flashlight into sky in night, you just can't see anything. Same does camera.

Get More Pictures Saved to the SD Card than Transmitted?

- * Poor reception or busy network signals may result in poor connectivity at certain times and places.
- * Increase PIR Delay to 1 – 3 min as the camera may not be able to transmit as fast in certain network areas.
- * Move camera to different location and test connection strength and sending.
- * Consider purchasing a stronger High Gain 4G LTE antenna.
- * Change SIM from different operator who has better 4G signal on the area.

The Camera Does Not Turn ON

- * Ensure batteries are inserted properly with correct polarity and are full. If possible, test each battery with battery tester. Approximately 1.5V for AA is full power. External battery 12V.
- * Ensure SD card is properly inserted and not in locked position.
- * Reset unit by removing all batteries and SD card for 10min.

* Cold temperature may decrease battery output sufficiently to prevent camera from turning ON. Check batteries and/or external battery that those are rated for cold temperature.

Camera will not take Pictures or Stops part way even with Full Batteries?

* SD card is not formatted correctly. Format SD card in camera.

* Ensure SD card is not locked.

* SD card is faulty or incompatible. Try different SD card and/or brand. Faulty or incompatible SD cards may cause system conflict, system crash, and battery drain. Always format SD card in camera and try different SD cards if problem persists.

* Batteries do not have enough power to activate picture / video sequence.

Batteries Run Down Quickly?

Avoid poor quality alkaline and external 12V batteries, avoid mixing different brands and ages of batteries as battery life will be adversely affected. Different brands of batteries will

perform differently than others. Try other battery brands to find what works best for your environment. Reduce number of picture burst and/or reduce video length. Ensure batteries are full. Test batteries with tester if possible. In cold temperatures, the battery life becomes shorter SD card may have jammed causing battery to drain. Use different SD card and / or brand.

Images are Blurry (stills or videos)?

NITEforce offers one of the best picture quality. Although we try to cover every scenario, it is important to realize that different environments and conditions will affect the picture quality. Blurry still images may result from interference with focal points for example distance from camera, trees, brush, may affect focus point. Fog, humid condensation, water drops, snow, dust, direct sunlight can all reduce picture quality. Motion blur may result when object moves too quickly. Blur will be compounded during night and low light situations. The camera has been finely tuned to maximize picture quality while balancing other interactions such as battery life, trigger speed, and Flash distance.

Night Images or Videos are Dark?

Ensure batteries are full. Use High Quality AA batteries and/or external 12V battery. Cold temperature will reduce battery output to Flash. Remove brush, grass, and other debris that may prevent Flash reaching its potential.

ADDITIONAL ACCESSORIES

Power Adaptor
(indoor use)



12V NITEforce Battery Cable (2m)



4G LTE High Gain Antenna (220mm)

Only manufacturer approved accessories should be used, in order not void the product warranty! Ask additional NITEforce compatible Accessories from your dealer.

FCC Compliance

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

1 YEAR WARRANTY

This product is warranted to be free from defects in material and workmanship for 1 year from the original date of purchase when purchased through an authorized dealer. NITEforce will, at its option, repair or replace your product with the same or comparable model, free of charge (shipping charges may apply) for a period of (1) one year from the original date of purchase in the event of a defect in materials or workmanship occurring with normal use. This warranty only extends to the original retail purchaser. Purchase receipt or other proof of date of original purchase is required before warranty performance. The warranty on any replacement product provided under this warranty shall be for the unexpired portion of

the warranty period applicable to the original product. This warranty extends solely to failures due to defects in materials or workmanship occurring during normal use. It does not cover normal wear of the product.

This warranty is void if:

- 1.The unit has been used incorrect, opened or punctured
- 2.The unit has been immersed in water or other liquids, allowed to be filled with dirt or dust or otherwise physically misused
- 3.The 1 year warranty period has expired
4. If the product fails to function properly as a result of accident, misuse, abuse, neglect, mishandling, misapplication, non-compatible batteries, faulty installation, setup, adjustments, improper maintenance, alteration, maladjustment of controls, modification, power surges, service by anyone other than NITEforce or NITEforce authorized service center or acts beyond the manufacturer's control.

CAMERA REPAIR

Repairs for damages not covered by the warranty will be subject to

a charge. Please contact nearest NITEforce sales agency shop to discuss repair options not covered under warranty.

WARRANTY WARNING
Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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