

# Bruksanvisning

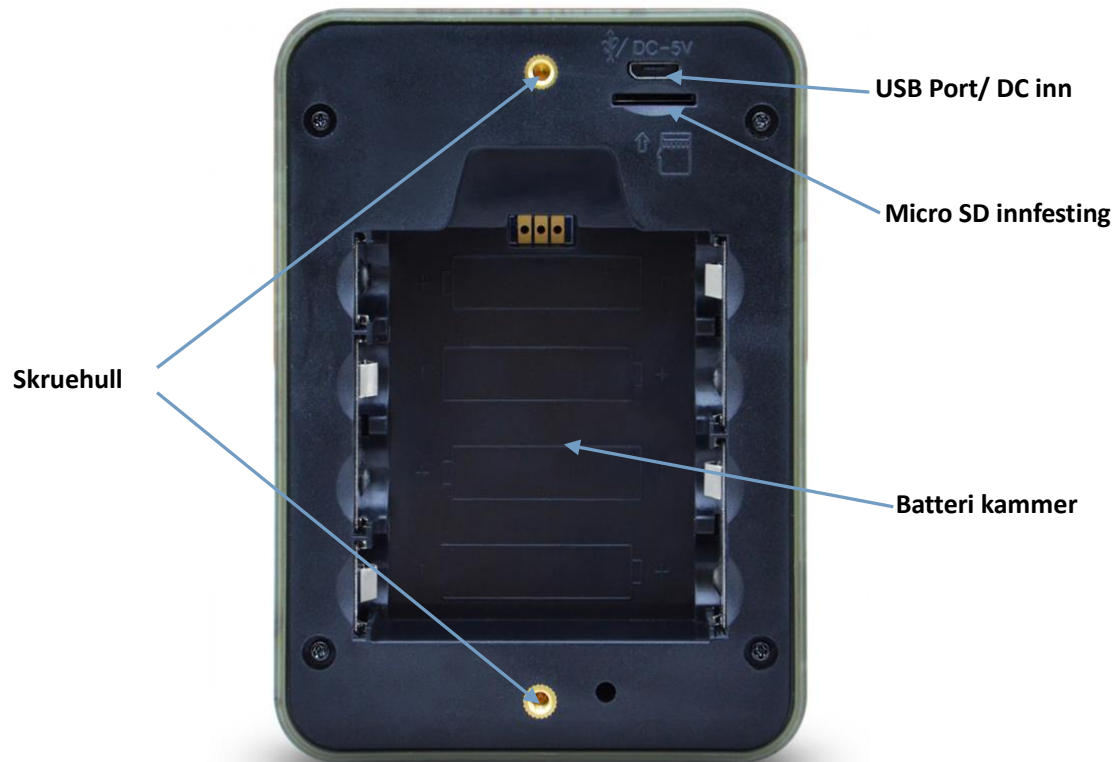
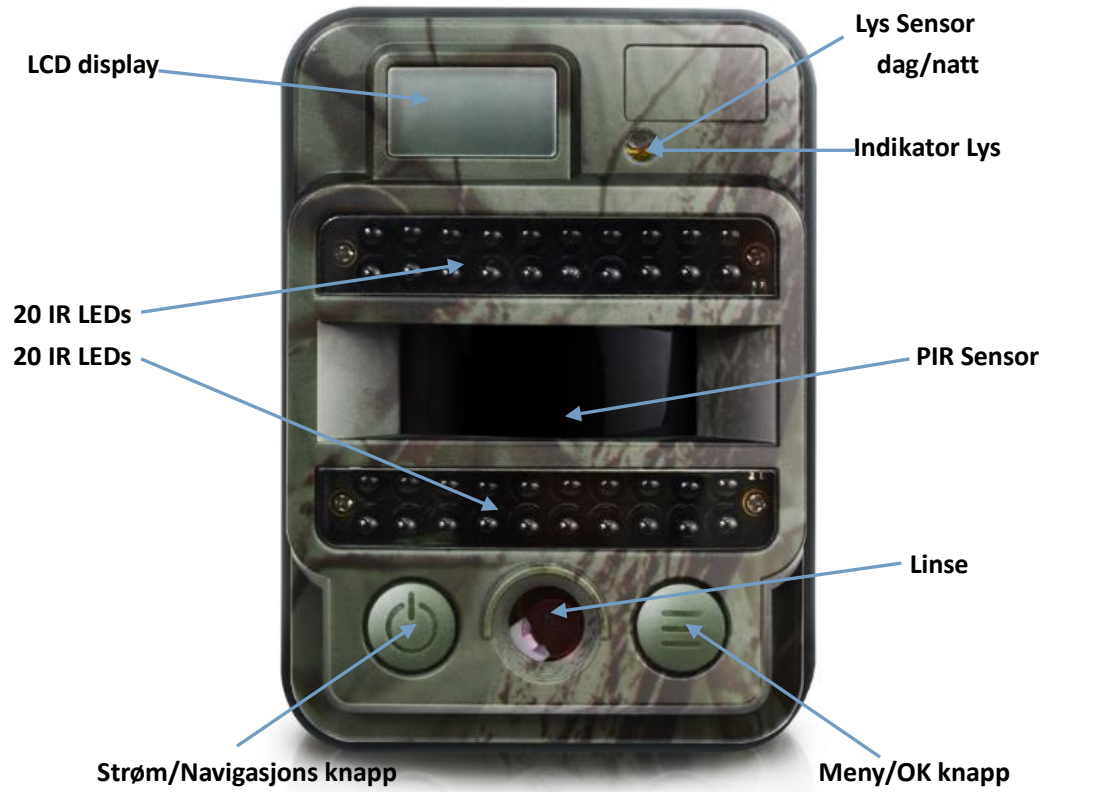
## Brecom C2400 Vilt/ Åtekamera



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# 1. Utseende og oversikt



## Kamera Display

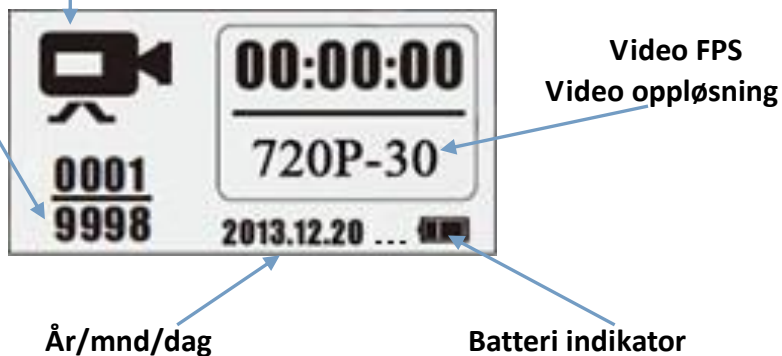


0001: Innspilte filer av bilder & video

9998: Estimert ledig antall basert på ledig kapasitet i minnekortet

Video Innspilling

**Video**



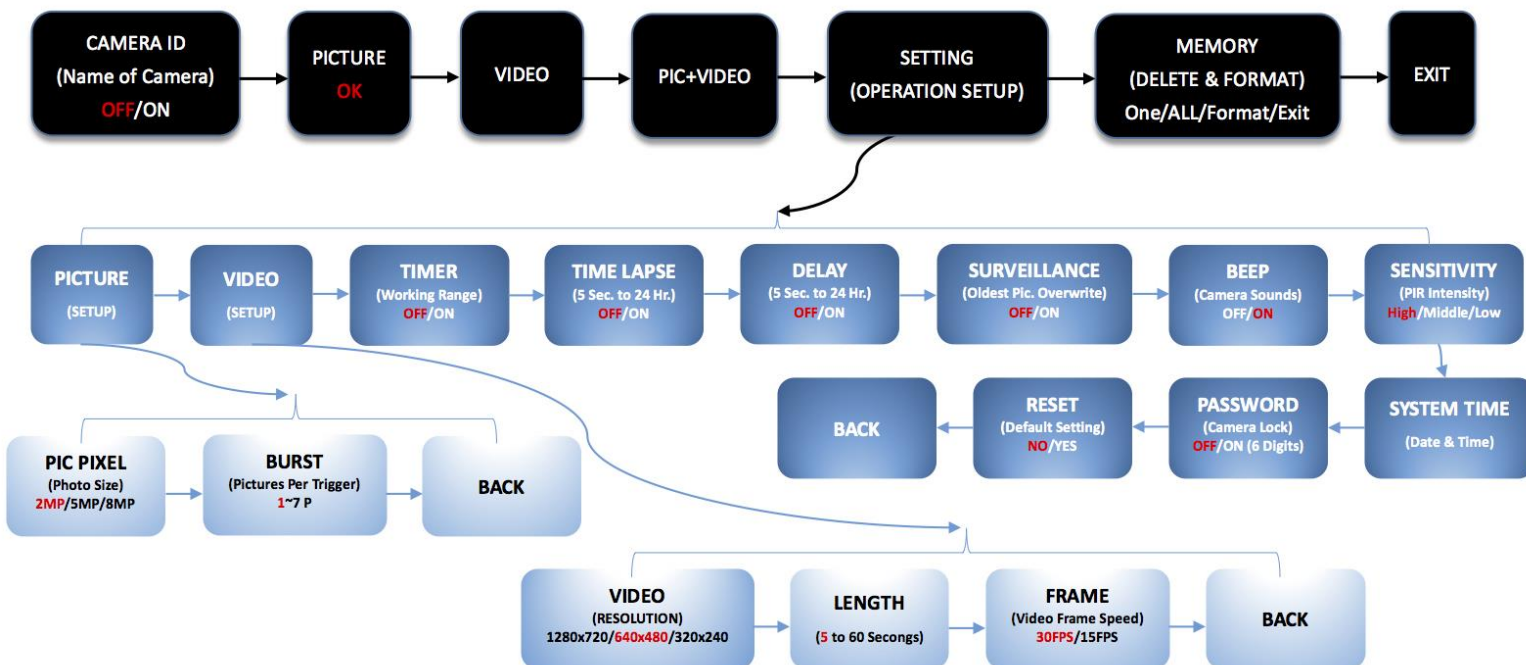
**Foto + Video**



Merk: Kamera virker i tre forskjellige innstillinger, kamera, video, kamera + video.  
Skjermen vil være forskjellig basert på ulike arbeidsmodus.

## 2. Kamera Meny Introduksjon

Fabrikkinnstillinger markert med RØDT



### 3. Hurtig Start

1. Åpne bak lokket for å sette inn Micro SD kort og batterier;






#### Slå på kamera

2. Trykk og hold **PÅ / Navigasjons knapp**  i 3 sek; kamera går da til PIR Auto oppsett etter indikator har blinket 5 ganger.
3. Trykk **Meny/OK knapp**  vekker opp kameraets LCD skjerm og går til TEST Mode.

#### Manuell fotografering/ video

4. **Test Mode**, trykk **PÅ/Navigasjon knapp**  igjen for å ta foto, video, Eller foto + video basert på valgt innstilling. Stopp video opptak ved å trykke igjen **PÅ/Navigasjons knapp**

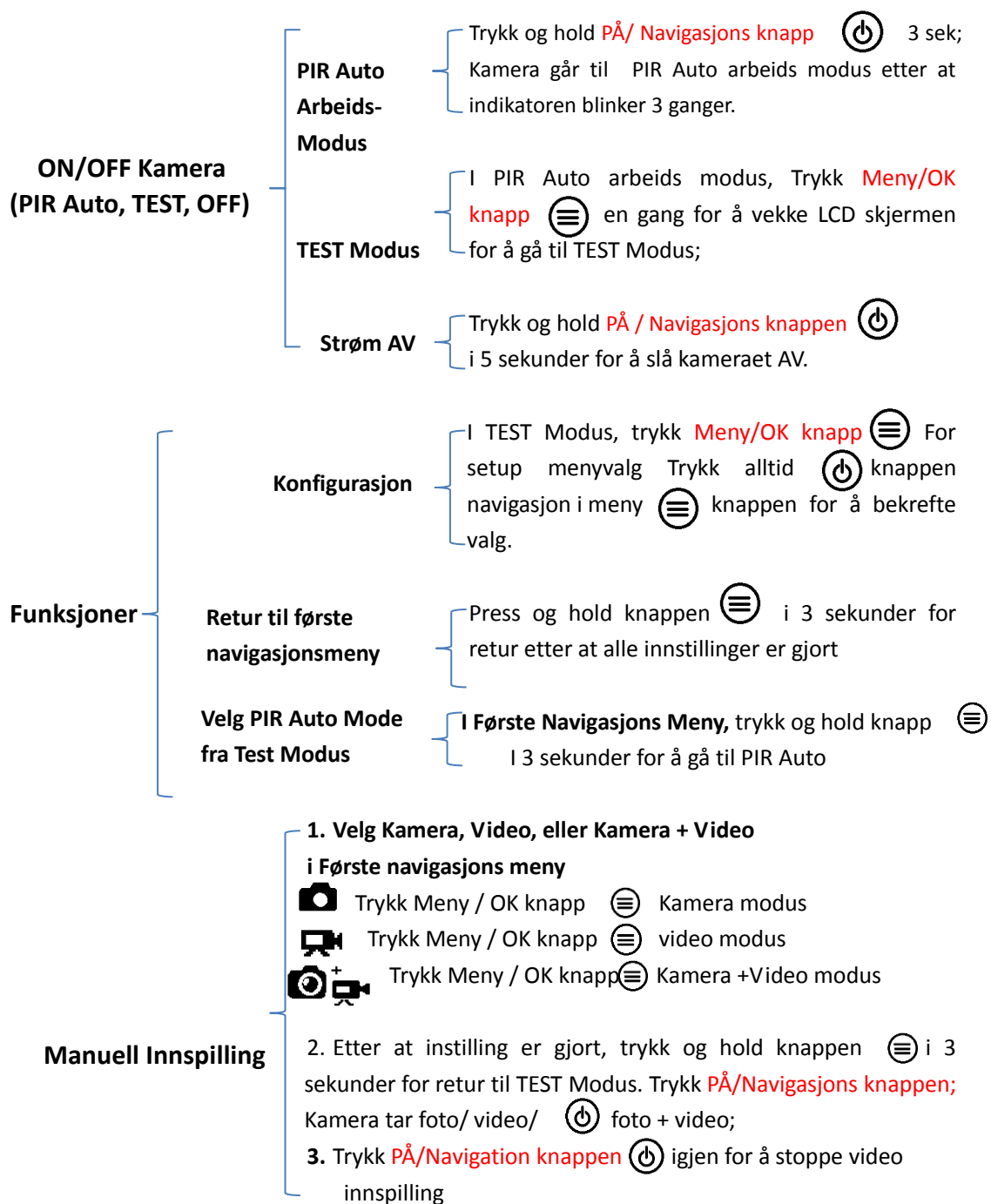
#### Meny for innstillinger

5. **Test av grunninnstilling** Trykk **Meny/OK knapp**  for innstillinger i meny. **PS. knapp**  er alltid for navigasjon; knapp  er alltid for OK lagre /bekrefte valgt innstilling
6. Trykk og hold tast  3 sekunder retur til Test Mode (Kamera Modus Meny) etter at innstillinger er ferdig
7. **Test Mode Grunninnstilling**, trykk og hold knappen  i 3 sekunder for å gå til PIR Auto modus; (indikator LED flash blinker 5 ganger, LCD skjerm er AV.)



#### Slå av kamera

8. Trykk og hold knappen  i 5 sekunder for å slå kamera av.

## Kamera innstillinger, oversikt









### Merk:






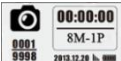




- 1) For å sikre kamera funksjoner, juster kamera til korrekt tid.
- 2) Ikke bruk Time Lapse forsinkelse samtidig 
- 3) Kamera kan slås av ved å trykke og holde knappen  når som helst

## 4. Detaljer Innstillinger



















### Kamera Modus (Fabrikkinnstilling)

<b>Name</b>	Kamera ID	OFF
	Foto	2MP
	Video	VGA (640*480)
	Foto+Video	OFF
	Innstillinger	
	Slett	
<b>Exit</b>	Tilbake til hovedmeny	

Hvis ønskede innstillings ikoner ikke vises på LCD skjermen, trykk  gjentagende ganger til ikonet kommer.

<b>Name</b> Kamera ID	<p><b>a. Oppsett</b></p> <ol style="list-style-type: none"> <li>1) Trykk SET for å gå til valgt innstilling, trykk  velg ON; trykk SET igjen for å gå inn i valg</li> <li>2) Trykk  for valg av tall/bokstaver, trykk SET for neste</li> <li>3) Trykk SET igjen for å bekrefte.</li> </ol> <p><b>b. Hvordan virker dette?</b></p> <p>Valgte tall og bokstaver trykkes på bildene. Denne funksjonen hjelper brukeren til å identifisere hvilke kamera og tid bildene er tatt</p>
 Foto	<p><b>a. Set up</b></p> <p>Trykk SET <sup>27</sup> for valg Foto modus, ikon OK vises</p> <p><b>b. Ta et bilde</b> </p> <p>Trykk og hold  i 3 sekunder for retur til TEST Modus</p> <p>Viser  Trykk  for å ta bilde</p>
 Video	<p><b>a. Set up</b></p> <p>Trykk  for valg Video modus; ikon OK vises <sup>37</sup></p> <p></p>



	<p><b>b. Start opptak</b></p> <p>Trykk og hold knappen  i 3 sekunder  å gå tilbake til TEST Modus; trykk  for å ta video klipp; trykk  igjen for å stoppe opptak.</p>
 Foto + Video	<p><b>a. Set up</b></p> <p>Trykk  for valg Foto + Video modus; ikon OK vises</p> <p>Viser </p> <p><b>b. Start opptak; Foto(s) Først, så tas opptak av Video</b></p> <p>Trykk og hold knapp  i 3 sekunder for å gå tilbake til TEST Modus; Trykk  for start av opptak. Trykk  igjen for å stoppe opptak.</p>
Innstillinger	Trykk  for å gå til detaljerte innstillinger.
 Slett	<p><b>Set up</b></p> <ol style="list-style-type: none"> <li>1) Trykk  for valg, trykk  for valg slette One eller All innspilte filer), eller formatere SD kort;</li> <li>2) Trykk  velg Yes/ No, trykk  for å bekrefte Slette/Formatere.</li> </ol> <p><b>Merk: 1)</b> Meny står fortsatt i Yes/No etter sletting av en fil; Trykk "No" for å gå tilbake.</p> <ol style="list-style-type: none"> <li>3) Hvis alle filer er slettet går kamera tilbake til TEST Mode automatisk</li> </ol>
<b>Exit</b>	Trykk  for å gå tilbake til TEST Mode 

## Foto Innstilling (Fabrikkinnstilling)

 Image Size 2M

 Multi-shot 1P

Hvis ønsket ikon ikke vises på kameraets LCD skjerm, trykk  gjentagende ganger til ikonet vises

 Oppløsning bilde	<p><b>Set up</b></p> <p>Trykk  for valg innstilling. Trykk  for valg ønsket Foto oppløsning; Trykk  for bekreftet innstilling.</p> <p>(8MP/5MP/2MP: 3264x2448, 2560x1920, 1920x1080)</p>
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






 Bilde pr. triggering	<b>Set up</b> Trykk  for valg av innstilling, trykk  for å velge antall bilder pr triggering. Trykk  for å bekrefte (Fra 1~7 photos per trigger.)
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## Video Opsett (fabrikkinnst.)













	Video Størrelse	VGA
<b>Length</b>	Video Lengde	5s
<b>Frame</b>	Video ramme	30FPS
<b>Hz</b>	Frekvens	50Hz
	Audio Recording	ON












Hvis ønsket ikon ikke vises på kameraets LCD skjerm, trykk  gjentagende ganger til ikonet vises

 Video oppløsning	<b>Oppsett</b> Trykk  for valgt av innstilling  for valgt Video Størrelse, trykk  for å bekrefte. (720P/VGA/CIF: 1280x720/640x480/320x240)
<b>Length</b> Video Lengde	<b>Oppsett</b> Trykk  for valg av innstilling.  for valgt video Lengde pr. Trigger;  for valgt innstilling (S 5 til 60 sekunder)
<b>Frame</b> Video Frame	<b>Oppsett</b> Trykk  for valg av innstilling. Trykk  for valgt innstilling Video ramme. Trykk  for å bekrefte. (15FPS / 30FPS)




























## Kamera innstillinger (fabrikkinnstilling)













	Timer	OFF
	Time Lapse	OFF
	Forsinkelse	OFF
	Stempel	ON
	SD syklus opptak	OFF
	Kamera lyd	ON
	PIR følsomhet	Høy
	Tid/Dato	
	Kamera Passord	OFF
	Reset	NO

Hvis ønsket ikon ikke vises på kameraets LCD skjerm, Trykk  gjentagende ganger til ikonet vises.

 Timer	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Trykk  for valg innstilling, Trykk  for valg <b>ON</b>; trykk  for valg av timer;</li> <li>2) Trykk  for ønsket innstilling, Trykk  for å bekrefte;</li> <li>3) Trykk  igjen for Start tid og Slutt Tid.</li> </ol> <p><b>b. Hvordan virker dette?</b> Kamera virker kun mellom START og SLUTT tid.</p>
 Time Lapse	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Trykk  for valgt innstilling. Trykk  og velg ON; Trykk  igjen og sett Time Lapse;</li> </ol>



	<p>2) Trykk  for valgt innstilling. Trykk  og bekreft.</p> <p>3) Trykk  etter at alle valg er gjort.</p> <p>4)</p> <p><b>b. Hvordan virker dette?</b> Kamera vil ta foto/ video automatisk med valgt interval</p>
 Forsinkelse	<p><b>a. Set up</b></p> <p>1) Trykk  for valg av innstilling. Trykk  , velg ON; Trykk  igjen for valg Forsinkelse;</p> <p>2) Trykk  for valg innstilling. Trykk  for å bekrefte</p> <p>3) Trykk  igjen for å gå "tilbake."</p> <p>4)</p> <p><b>b. Hvordan virker dette?</b> Kamera vil ta foto/ video med valgt tidsinterval. Dette hindrer at man tar for mange bilder/videoer.</p>
 Overvåkning (gamle bilder overskrevet)	<p><b>a. Set up</b></p> <p>Trykk  for valg av innstilling, Trykk  velg ON/OFF.</p> <p></p> <p>Trykk  for å bekrefte innstilling.</p> <p><b>a. Hvordan virker dette?</b> Valg "ON", kamera fortsetter å ta opp foto/videoer ved å stryke tidligere bilder og video opptak fra SD kortet.</p>
 Kamera Lyd	<p><b>a. Set up</b></p> <p>Trykk  for valg av innstilling. Trykk  velg ON/OFF; Trykk  for å bekrefte.</p> <p><b>b. Hvordan virker dette?</b> Velges "OFF" slås kameraets mikrofon av.</p>
 PIR Følsomhet	<p><b>a. Set up</b></p> <p>Trykk  for valg av innstilling, Trykk  velg Høy/Middel/Lav;  Trykk  for å bekrefte.</p> <p><b>c. Hvordan virker dette?</b> High/ Middle/ Low; Høyere følsomhet 1) mer følsomhet for lettere å oppdage små objekter; 2) Lengre avstander; 3) Lettere for å merke forskjellen mellom kroppsvarme og omgivelses temperatur; 4) Lettere for kamera for å trigges til opptak. I <b>høy temperatur</b> Vanskelig for kamera å skille mellom kroppstemperatur og omgivelsestemperatur, <b>foreslår å velge High.</b></p>
SYSTEM Tid (Dato og tid)	<p><b>A: Setup</b></p> <p>1) Trykk  for å komme inn på innstilling side;</p> <p>2) Trykk  for valg, trykk  for å velge tall og</p>

	<p>flytt til neste tall .</p> <p>3) Trykk  for å gå ut av oppsett.</p> <p><b>a. Hvordan virker dette?</b></p> <p>Dato/Tid; Dato: “måned/ dag/ år”; Tid: “time/minutt”</p> <p><b>Note: Plz Juster riktig tid når du slår på kameraet for første gang.</b></p>
 Kamera Passord	<p><b>a. Set up</b></p> <p>1) Trykk  for å velge innstilling. Trykk  for valg ON; Trykk  igjen for å velge Passord;</p> <p>2) Trykk  for å velge, Trykk  for å bekrefte å gå til neste nummer;</p> <p>3) Trykk  igjen for å bekrefte.</p> <p><b>b. Hvordan virker dette</b></p> <p>Eget password beskytter ditt kamera; støtter totalt 6 tegn langt passord.</p>
 Reset	<p><b>a. Set up</b></p> <p>Trykk  for å velge innstilling, Trykk  for valg YES/NO; Trykk  for å bekrefte.</p> <p><b>b. Hvordan virker dette?</b></p> <p>Velg YES for å stille kameraet tilbake til fabrikk innstillinger.</p>

## Software Upgrade

1. Kopier filene (3 files) into MicroSD Card;  
Note: Bruk 1 or 2 GB SD card til oppgradering.








1628  
VLC media file (.bin)  
1,695 KB



DRAMPARA  
Text Document  
1 KB



ISP  
VLC media file (.bin)  
128 KB


2. Sett inn Micro SD Card i kamera;
3. Sett I batteri/ eller koble til USB kabel;
4. Trykk og hold **Power/Navigation button**  kamera vil da gi ett pip;
5. Slipp knapp  når du ser rød indikator blinker.
6. Trykk og hold **Menu/OK button**  ; 
- Note:** rødt indicator LED stopper og blinke, men vil da lyse konstant.
7. Slipp knapp  når du ser ISP vises I skjerm

ISP

8. Oppgradering er ferdig, når rødt indikator lyse r av.
9. Ta ut batteri/ koble fra kabel
10. Sett inn batteri, slå på kamera.

**Note: Ikke koble fra kabel når enhet oppgraderes. Om du gjør dette må kamera oppgraders via PC**

## USB Innkobling

Når kamera er koblet via USB; Trykk og hold knappen , kameraets høyttaler gir ett Beep'e lyd, og rød indikator LED lyser opp; Innstillingen nedenfor vises.



Trykk  for valg DC inn, og PC tilkobling; Trykk  for å bekrefte.

### a. DC inn for Power Supply

Kamera går til Test Mode.



### b. PC tilkobling for å lese Micro SD kort



Kameraets skjerm viser bilde som nedenfor. Nå kan du lese Micro SD kort koblet via PC.



**Ved å trykk  igjen, vil kamera returnere til PC kamera; Trykk  igjen for Exit. Ta ut kabelen. Restart kamera**

<b>5 Spesifikasjoner</b>	
Video Format	.avi
Video oppløsning	720P (1280*720) D1 (640*480) CIF (320*240)
Video Frame	15 / 30 FPS; programmerbar
Video Lengde	5-60sek. programmerbar
Bilde Format	JPEG
Bilde Oppløsning	2MP (1920x1080) 5MP (2560x1920) <b>8MP(3264x2448)</b>
Bildeserie Nummer	1~7 fotos/trigger(programmerbar)
Foto Stempel	<b>Batteri indikator</b>
	Måne fase
	temperatur
	Dato & tid
Kamera ID—4 tegn/ kombinasjon (Programmer av bruker)	
Forsinkelse	1sek~23t 59min 59sek.
<b>Natt funksjon</b>	
Rekkevidde natt	8-10m, 30 feet
Antall Infra-Rød LED	40 stk.
<b>General</b>	
Bilde sensor	1.3 Mega Pixels Color CMOS
Linse	F=3.0; FOV=49°; Auto IR-Cut-Remove
Rekkevidde IR	8 meter
Infrarød Cut Filter	Ja
Hvit Balanse	Automatisk
Dag/Natt Modus	Farger dag / Svart/hvitt natt
Minimum Illumination	0 Lux (IR på)
Effectiv PIR vinkel	100°
PIR Følsomhet	Høy / Normal / Lav 3 nivåer
Lyd innspilling	Ja
Spenning	DC 6V 2A
Batteri størrelse	4 AA
Auto Strøm Av	PIR Auto Mous i 1min uten noe operasjoner
Interface	USB; Micro SD card
Minne, Type og Størrelse	Micro SD, opp til 32G Anbefalt 2-8 G
Display	1.0 tommer svart/hvitt skjerm
Språk	Engelsk
Sensor Type	PIR (Passiv infrarød)

Sensor Rekkevidde	12-15m; 50 fot
Sensor Trigger tid	0.8-1 sek
Batteri Alarm	Ja
Stand-by Tid	Ca. 4 mnd. (4 AA batterier)
Operativ Temperatur	(-20 - +60) °C
Drift luftfuktighet	5%-90%
Vanntetthet	IP54
Størrelse	115.10*84.05*54.62mm
Vekt	224.2 g
Sertifisering	CE, FCC, RoHs
<b>Funksjoner</b>	
Foto+Video	Ja
Time Lapse	Ja
Timer	Ja
Time Lapse forsinkelse	Ja
Passord beskyttelse	Ja, 6 tegn
SD kKort Cycle	Ja
Auto Power AV i Test Modus	Ja

Spesifikasjonene kan endres uten forvarsel

#### Garanti

Våre produkter er garantert mot defekter i materialer og utførelse i en periode på 2 år fra den opprinnelige kjøpsdatoen. Hvis det finnes en feil, vil vi, (1) reparere produktet uten kostnad ved bruk av nye eller reparerte deler; (2) bytte ut produktet med et tilsvarende produkt som er nytt eller renovert. Frakt betales av kjøper.

Denne garantien utelukker skade som følge av misbruk, ulykker, endringer eller andre årsaker som ikke er defekter i materialer og utførelse. Denne garantien dekker bare feil på grunn av feil i materialer og utførelse under normal bruk.

For å få garantiservice, kan du kontakte oss for å finne årsaken til problemet før retur av produktet. Ved retur send med en skriftlig beskrivelse av problemet og utskriftseksempler for å fikse problemet. **Kjøpskvittering MÅ sendes med.**

**Breens Jaktutstyr AS**  
**Postboks 265**  
**2150 Årnes**  
**Tlf: 63 90 95 85**  
**Mail: post@brecom.no**



# USER'S MANUAL

## Scouting Trail Camera

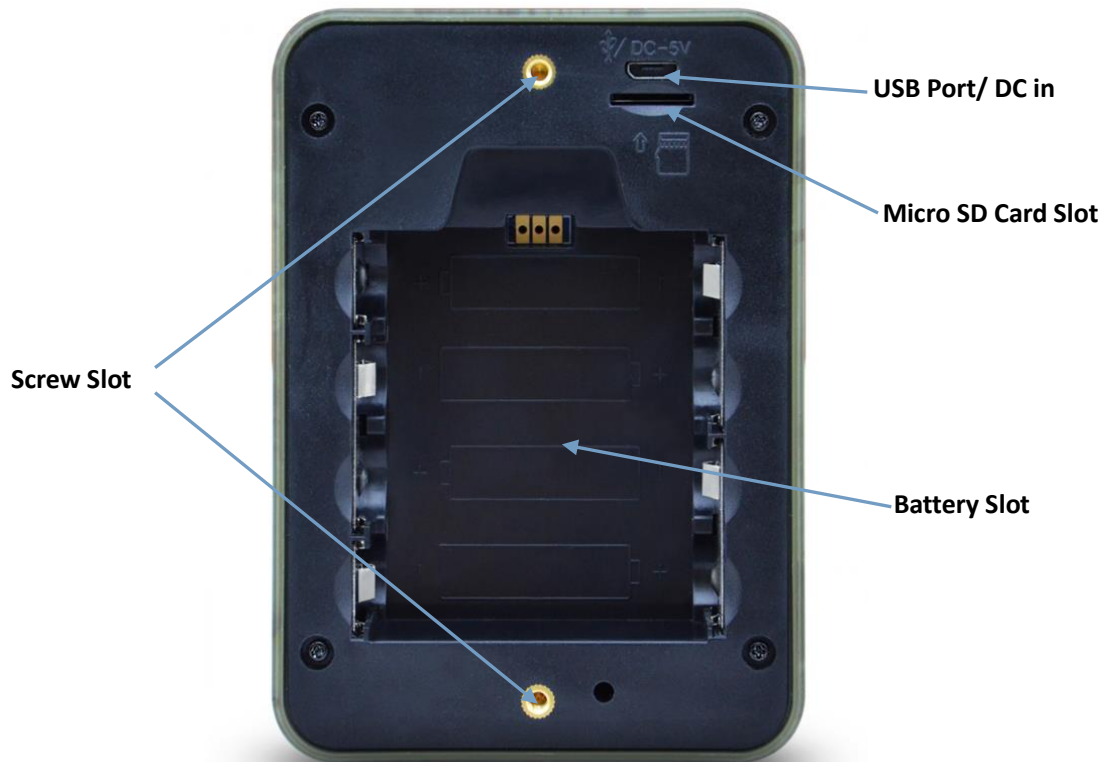
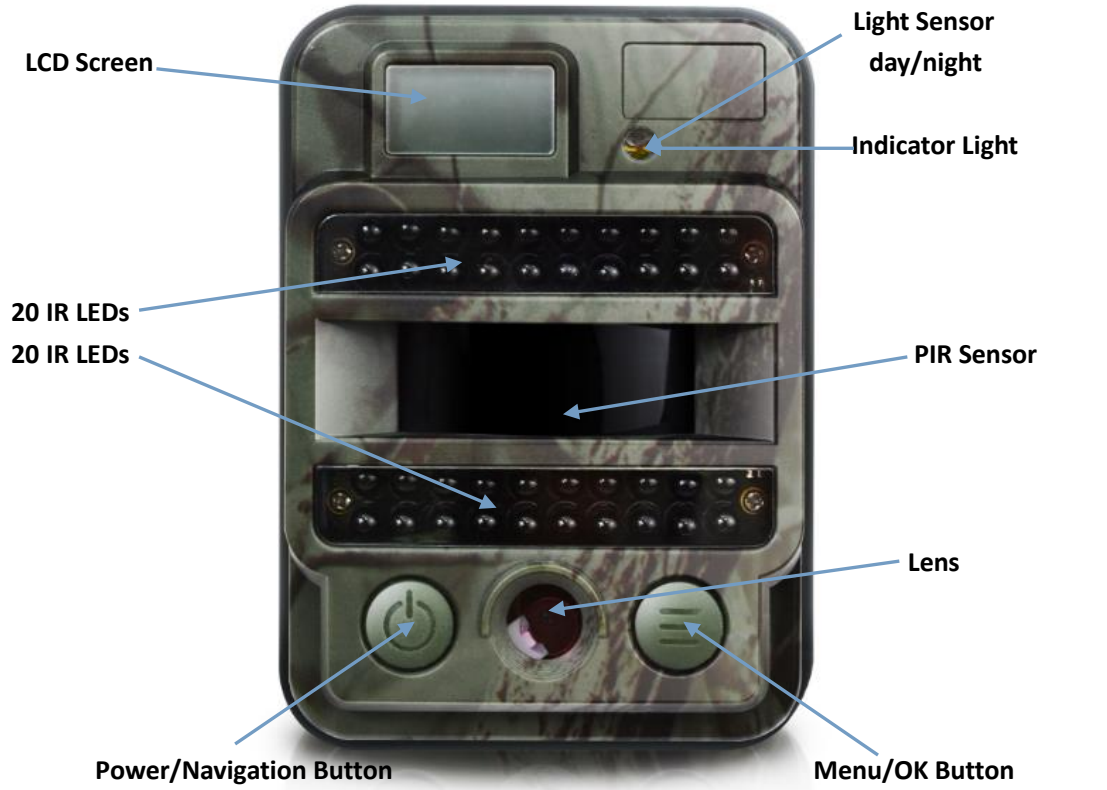


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# 1. Whole View and Details of Camera

## Front View of Camera



## Camera Screen Display (Test Mode Main Interface)

### Photo Mode Interface

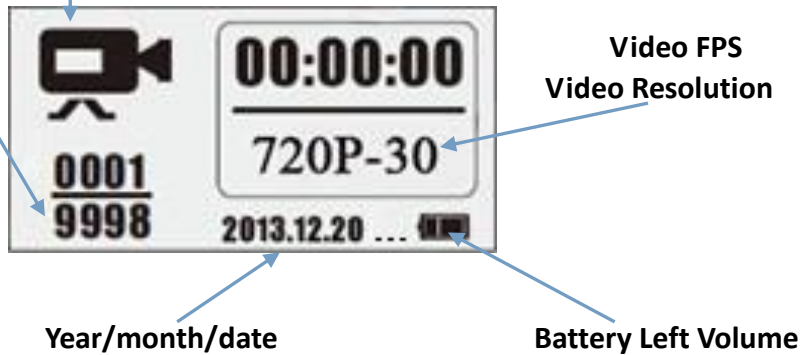


0001: recorded file number of photos & video clips

9998: estimated available file number based on left memory space in memory card

### Video Recording

### Video Mode Interface



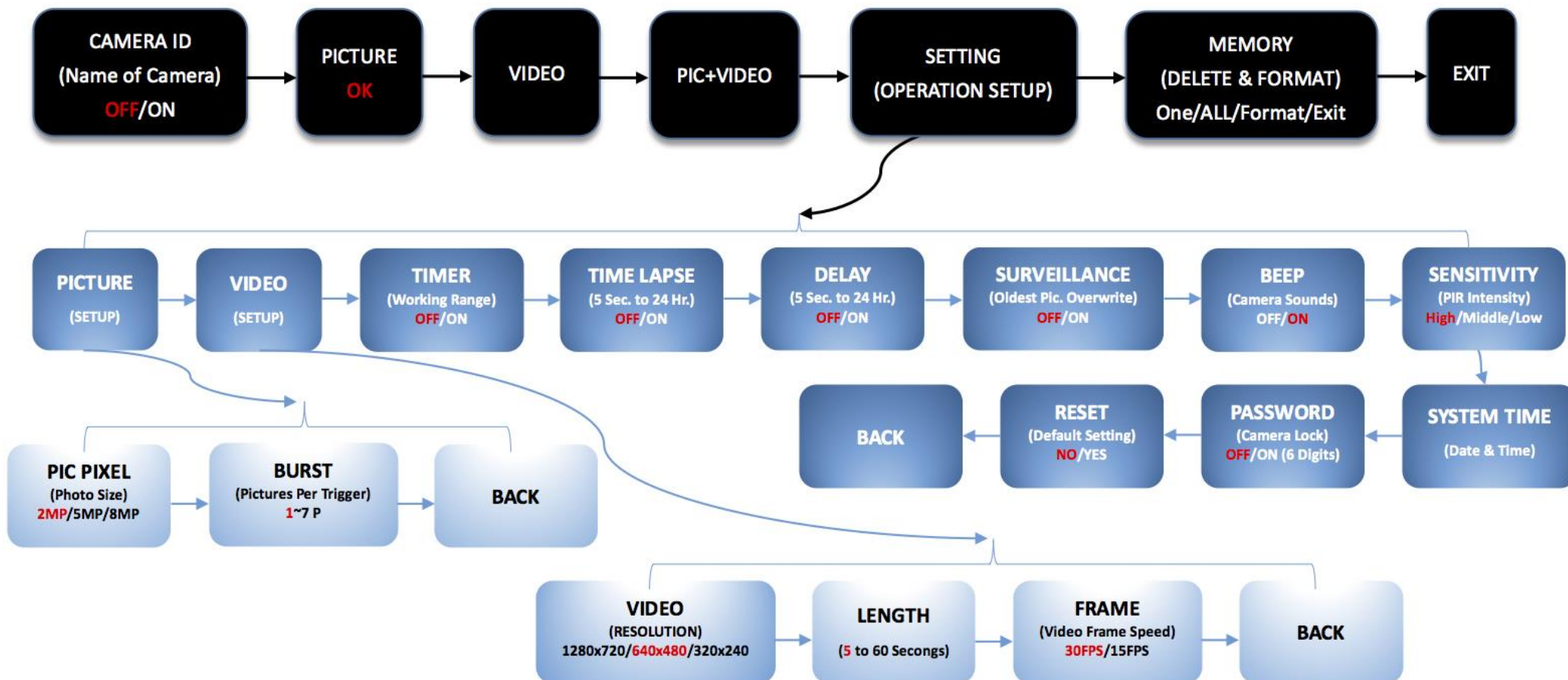
### Photo + Video Mode Interface



Note: camera support camera, video, camera + video three different working modes; screen display will be different based on different working mode.

## 2. Camera Menu List Introduction

Default Setting in Red



### 3. Quick Start

1. Open back cover to insert MicroSD Card and batteries;

#### Power On Camera

2. Press and hold **LEFT Power/Navigation button** "NEXT" for 3 secs; camera will enter PIR Auto Working mode after indicator flashes 5 times;
3. Press **RIGHT Menu/OK button** "SET" once to wake up camera LCD screen to enter TEST Mode;

#### Manual Photographing/ Video Recording

4. **Test Mode Main Interface**, press **LEFT Power/Navigation button** "NEXT" again to shoot photos, videos, or photo + video based on camera settings; stop video recording by pressing again **LEFT Power/Navigation button** "Next"

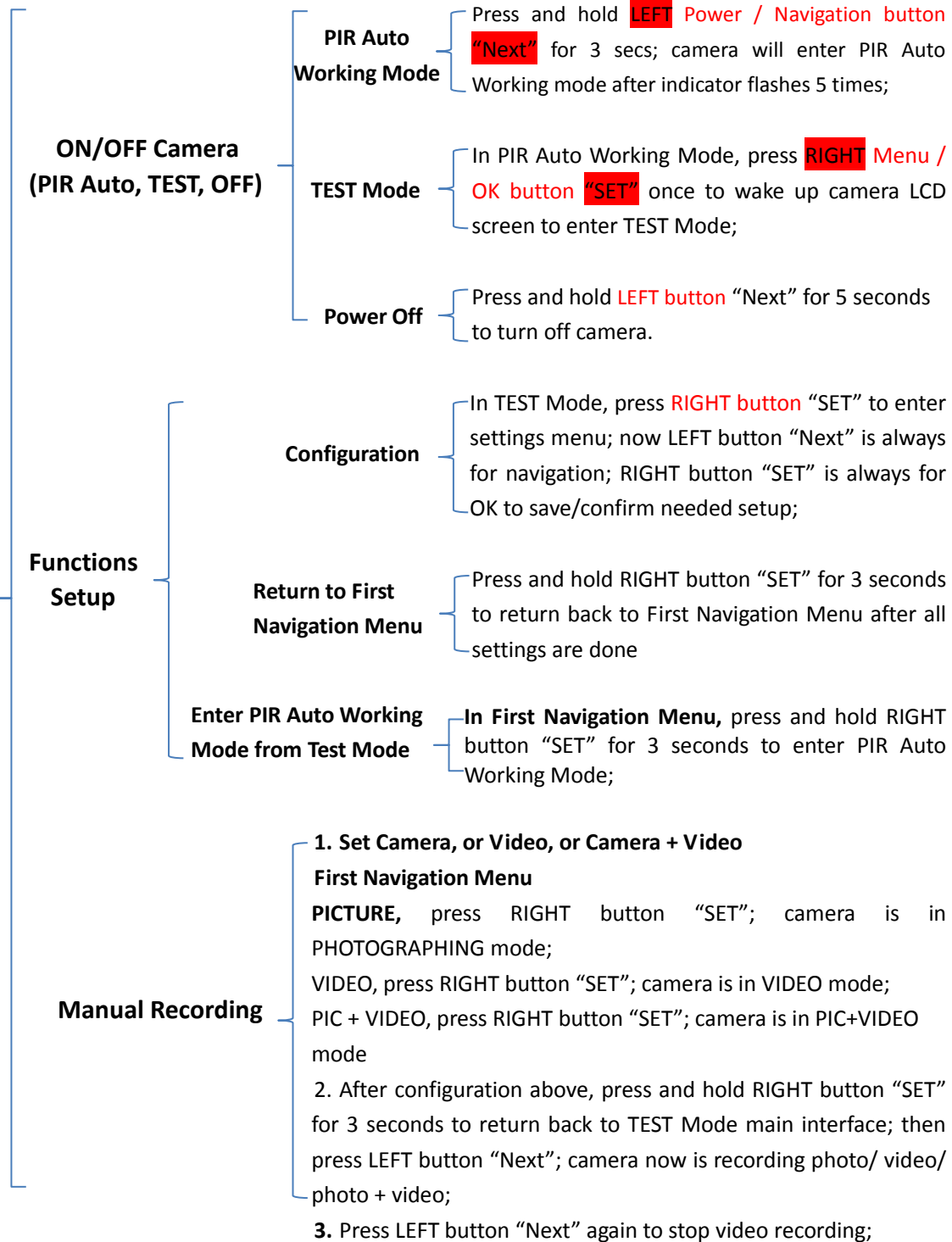
#### Enter Menu for Setup Functions

5. **Test Mode Main Interface**, press **RIGHT Menu/OK button** "SET" to enter settings menu; **now LEFT button** "Next" is always for navigation; **RIGHT button** "SET" is always for OK to save/confirm needed setup;
6. Press and hold button "SET" for 3 seconds to return Test Mode Main Interface (Camera Modes Menu) after all settings are done;
7. **Test Mode Main Interface**, press and hold button "SET" for 3 seconds to enter PIR Auto Working Mode; (indicator LED will flash 5 times, Screen will be off.)

#### Power Off Camera

8. Press and hold button "Next" for 5 seconds to turn off camera.

## Camera Operation Flow Chart



### Note:

- 1) To ensure camera functions well; pls adjust camera date & time;
- 2) Plz don't turn on TIME LAPSE and DELAY at the same time;
- 3) Camera can be turned off by pressing and holding RIGHT button "Next" any time.

## 4. Detail Setups

### Camera Modes (Default Settings)

CAMERA ID                      OFF

PICTURE                        2MP

VIDEO                         VGA (640\*480)







PIC+VIDEO                    OFF

Settings














MEMORY (Delete & FORMAT)

Exit                      Back to Previous Page

If wanted setting is not showing on camera LCD screen, press LEFT button "NEXT" to navigate for wanted setting.

Camera ID (Name of Camera)	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press "SET" to enter configuration page, press  to choose ON; press "SET" again to enter configuration page;</li> <li>2) Press  to choose wanted digit/alphabet, press "SET" to confirm and move to the next;</li> <li>3) Press "SET" again to confirm combination to exit.</li> </ol> <p><b>b. How does this work?</b></p> <p>Selected 4 digits/ alphabets will show on the photo stamp. Such function can help user to identify photos are from where and which camera.</p>
PICTURE	<p><b>a. Set up</b></p> <p>Press "SET" to enter Photo mode; icon OK appears at middle bottom of interface</p> <p><b>b. Take a Photo</b></p> <p>Press and hold button  for 3 seconds to return back to TEST Mode main interface; then press  to take a photo</p>
VIDEO	<p><b>a. Set up</b></p> <p>Press  to enter Video mode; icon OK appears at middle bottom of interface</p> <p><b>b. Start Recording</b></p> <p>Press and hold button  for 3 seconds to return back to TEST Mode</p>









	main interface; then press  to take a video clip; press  again to stop recording.
PIC + VIDEO	<p><b>a. Set up</b> Press  to enter Photo + Video mode; icon OK appears at middle bottom of interface</p> <p><b>b. Start Recording; Photo(s) First, then Recording Video</b> Press and hold button  for 3 seconds to return back to TEST Mode main interface; then press  to start recording; press  again to stop recording.</p>
SETTINGS (Operation Setup)	Press  to enter camera detail settings.
MEMORY (DELETE & FORMAT)	<p><b>Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page, press  to choose to delete One or All recorded file(s), or Format SD card;</li> <li>2) Press  choose Yes/ No, press  again to confirm deletion/ Format.</li> </ol> <p><b>Note: 1)</b> Menu will stay in Yes/No interface in deleting One file; plz press “No” to get back to previous interface. This is designed to enable user to delete several files together without pressing more buttons. <b>2)</b> If all files are deleted, camera will get back to TEST Mode Main Interface automatically.</p>
EXIT	Press  to get back to TEST Mode main interface 

### Photo Settings (Default Settings)

PIC PIXEL            2M  
Burst                 1P










If wanted setting is not showing on camera LCD screen, press LEFT button “NEXT” to navigate for wanted setting.

PIC PIXEL (Picture Size)	<p><b>Set up</b> Press  to enter configuration page, press  to choose desired Photo Size; press  to confirm setting. (8MP/5MP/2MP: 3264x2448, 2560x1920, 1920x1080)</p>
Burst (Pictures Per Trigger)	<p><b>Set up</b> Press  to enter configuration page, press  to choose desired Photo Burst number; press  to confirm setting. (Support 1~7 photos per burst/ trigger.)</p>

## Video Settings(Default Settings)

VIDEO RESOLUTION	VGA (640*480)
LENGTH	5s
FRAME	30FPS

If wanted setting is not showing on camera LCD screen, press LEFT button “NEXT” to navigate for wanted setting.

VIDEO RESOLUTION	<p><b>Set up</b></p> <p>Press  to enter configuration page, press  to choose desired Video Size, press  to confirm setting. (720P/VGA/CIF: 1280x720/640x480/320x240)</p>
LENGTH	<p><b>Set up</b></p> <p>Press  to enter configuration page, press  to choose desired Video Length per Burst/ Trigger; press  to confirm setting. (Support 5~60 seconds)</p>
FRAME (Video Frame Speed)	<p><b>Set up</b></p> <p>Press  to enter configuration page, press  to choose desired Video Frame; press  to confirm setting. (Optional 15FPS and 30FPS)</p>

## Camera Settings (Default Settings)

TIMER (Working RANGE) OFF

TIME LAPSE OFF

DELAY OFF

SURVEILLANCE (Oldest Pic Overwrite) OFF

BEEP (Camera Sounds) ON



























SENSITIVITY (PIR Intensity ) High















SYSTEM TIME (Date & Time) \_\_\_\_\_

PASSWORD OFF

RESET NO

If wanted setting is not showing on camera LCD screen, press LEFT button “NEXT” to navigate for wanted setting.

<p>TIMER</p>	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page, press  to choose ON; press  again to set timer;</li> <li>2) Press  to choose wanted number, press  to confirm and move to next number;</li> <li>3) Press  again after Start time and End Time is set to Exit.</li> </ol> <p><b>b. How does this work?</b></p> <p>Camera will only work during pre-set Start Time and End Time.</p>
<p>TIME LAPSE</p>	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page, press  to choose ON; press  again to set Time Lapse;</li> <li>2) Press  to choose wanted number, press  to confirm and move to next number;</li> <li>3) Press  again after all numbers are selected to Exit.</li> </ol> <p><b>b. How does this work?</b></p> <p>Camera will take photos/ videos automatically upon the interval user set.</p>
<p>DELAY</p>	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page, press  to choose ON; press  again to set Delay;</li> <li>2) Press  to choose wanted number, press  to confirm and move to next number;</li> <li>3) Press  again after all numbers are selected to Exit.</li> </ol> <p><b>b. How does this work?</b></p> <p>Camera will take photos/ videos based on the pre-set time interval upon motion. This option prevents from taking too many photos or videos.</p>
<p>SURVEILLANCE (Oldest Pic Overwrite)</p>	<p><b>a. Set up</b></p> <p>Press  to enter configuration page, press  to choose ON/OFF; press  to confirm setting.</p> <p><b>b. How does this work?</b></p> <p>Select “ON”, camera will continue to record photos/videos by deleting earliest photos or video clips recorded in SD card.</p>
<p>BEEP (Camera Sounds)</p>	<p><b>a. Set up</b></p> <p>Press  to enter configuration page, press  to choose ON/OFF; press  to confirm setting.</p> <p><b>b. How does this work?</b></p> <p>Select “OFF” to turn off camera speaker.</p>
<p>SENSITIVITY (PIR Intensity)</p>	<p><b>a. Set up</b></p> <p>Press  to enter configuration page, press  to choose</p>

	<p>High/Middle/Low; press  to confirm setting.</p> <p><b>b. How does this work?</b> High/ Middle/ Low; 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. In <b>high temperature</b> environment, body heat of subjects and environment temperature is hard to tell by camera, <b>suggest to set High.</b></p>
SYSTEM TIME (Date & Time)	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page;</li> <li>2) Press  to choose, press  to confirm wanted number and move to next number;</li> <li>3) Press  again to Exit after all numbers are selected.</li> </ol> <p><b>b. How does this work?</b> Date/Time; Date: “month/ date/ year”; Time: “hour/minute” <b>Note: Plz adjust Time/Date when you turn on camera to ensure camera to function well as expected.</b></p>
PASSWORD (Camera Lock)	<p><b>a. Set up</b></p> <ol style="list-style-type: none"> <li>1) Press  to enter configuration page, press  to choose ON; press  again to set Password;</li> <li>2) Press  to choose wanted digit, press  to confirm and move to next number;</li> <li>3) Press  again to confirm.</li> </ol> <p><b>b. How does this work?</b> Enable password protection for your camera; support totally 6 digits long password access.</p>
RESET	<p><b>a. Set up</b></p> <p>Press  to enter configuration page, press  to choose YES/NO; press  to confirm setting.</p> <p><b>b. How does this work?</b> Choose YES to reset camera settings back to factory default settings.</p>

## Software Upgrade

1. Copy the upgrade software files (3 files) into MicroSD Card;  
Note: Suggest to use 1 or 2 GB SD card to do the upgrade.




1628  
VLC media file (.bin)  
1,695 KB






DRAMPARA  
Text Document  
1 KB



ISP  
VLC media file (.bin)  
128 KB

2. Insert MicroSD Card into camera;
3. Insert batteries/ or plug in USB power cable;
4. Press and hold **Power/Navigation button** , camera speaker emits one Beep

Sound;


5. Release button  when you see red indicator led flashes;
6. Then press and hold **Menu/OK button** ;
- Note:** red indicator LED stops flashing but keeps lighting up;
7. Release button  after you see until **ISP** interface shows up in screen

ISP

8. Upgrade succeeds when red indicator led is off;
9. Plug out batteries/or power cable;
10. Insert batteries/ or power cable; turn on camera. Done.

**Note:** Don't cut off power supply during software upgrade; otherwise, camera will not be able to be turned on again unless software upgrade via PC.

## USB Connection

When camera is connected via USB, press and hold button , camera speaker emits one Beep Sound, and release button when red indicator LED lights up; then interface below appears.



Press  to choose DC in, or PC connection; press  to confirm choosing.

### a. DC in for Power Supply

Camera enters Test Mode Main Interface.



### b. PC Connection to Read MicroSD Card



Camera screen shows interface as below. Now you can read MicroSD Card contents via PC.



**By pressing**  **again, camera will be turned into a PC camera; press**  **again to Exit.**



**Plug out power cable to turn off camera and restart.**

## 5. MicroSD Card Selection & Battery Life Test Report

### MicroSD Card Selection

A memory card is required to operate the camera. When the camera is "ON" and no memory card is inserted, screen displays "No SD Card". Micro SD Card slot of camera supports up 32 GB memory card. Before inserting or removing the memory card, the camera must be powered OFF. Failing to do so may cause loss of or damage the pictures already recorded in the memory card. Following data shows an approximate quantity of photos which can be recorded by the camera depending on the memory card capacity.

Chart below will show you the approximate capacity of different size SD cards. Pls check to see which size card can fit your needs best.

SD Size Capacity	1GB	2 GB	4 GB	8 GB	16 GB	32 GB
<b>Photo (pictures)</b>						
<b>2 MP</b>	1645	3195	6197	12401	23786	50146
<b>5 MP</b>	653	1244	2356	4453	7957	14241
<b>8 MP</b>	421	796	1488	2873	4864	8092
<b>Video (hours)</b>						
<b>720P HD</b>	00:09:50	00:18:41	00:35:15	01:06:51	02:11:18	04:20:54
<b>640x480</b>	00:21:31	00:41:58	01:22:13	02:47:27	05:29:13	13:01:16
<b>320x240</b>	00:50:45	01:44:18	03:21:04	06:37:45	13:22:58	27:00:20

### Battery Life Test Report for Reference

Test Condition: LCD screen off. Mode: "Power On" _PIR intelligent automatically monitoring						
4AA Alkaline Batteries						
Photos shot per day	Working time	Video clips shot per day			Working time	
<b>IR LEDs On</b>						
2MP	100 photos	26 days	320× 240	10 sec	10 clips	47 days
5MP	100 photos	24 days	640× 480	10 sec	10 clips	44 days
8MP	100 photos	21 days	1280× 720	10 sec	10 clips	41 days
<b>IR LEDs Off</b>						
2MP	100 photos	51 days	320× 240	10 sec	10 clips	185 days
5MP	100 photos	48 days	640× 480	10 sec	10 clips	170 days
8MP	100 photos	46 days	1280× 720	10 sec	10 clips	161 days

## 6. Specification

<b>Recording</b>	
Video Format	.avi
Video Resolution	<b>720P (1280*720)</b> VGA (640*480) CIF (320*240)
Video Frame Rate	15 / 30 FPS; programmable
Video Length	5-60sec. programmable
Still Image Format	JPEG
Still Image Resolution	2MP (1920x1080) 5MP (2560x1920) <b>8MP(3264x2448)</b>
Shooting Numbers	1~7 photos/trigger(programmable)
Photo Stamp	<b>Battery left volume</b>
	moon phase
	temperature
	Date & time
camera ID—4 digits/ alphabets combination (Programmable by User)	
Record Delay	1second~23h 59min 59sec
<b>Night Vision</b>	
Night Vision Distance	<b>8~10m, 30 feet</b>
No. of Infra-Red LEDs	<b>26pcs</b>
<b>General</b>	
Image Sensor	1.3 Mega Pixels Color CMOS
Lens	F=3.0; FOV=49°; Auto IR-Cut-Remove
Effective IR Flash	<b>8 meters</b>
Infrared Cut Filter	Yes
White Balance	Automatic
Day/Night Mode	Color during day / B&W at night
Minimum Illumination	0 Lux (IR on)
<b>Effective PIR Angle</b>	<b>100°</b>
PIR Sensitivity	High / Normal / Low 3 levels
Audio Recording	Yes
Operation Power	5-6V DC (1~2A)
Battery Type	4 AA
Auto Power Off	Enter PIR Auto Mode in <b>1min</b> without any operations
Interface	USB; <b>Micro SD card slot</b>
<b>Memory Type and Size</b>	<b>Micro SD Card, up to 32G</b>
<b>Display</b>	<b>1.0 inch B/W Screen</b>
Language	English
Sensor Type	PIR (Passive Infrared)

<b>Sensor Range</b>	<b>12~15m; 50 feet</b>
Sensor Trigger Speed	0.8-1 sec
Power Consumption	150mA (+1380mA: 940nm IR LEDs on) (+1080mA: 850nm IR LEDs on)
Low Battery Alert	Yes
Stand-by Time	4 months (4 AA batteries)
Operating Temperature	(-20 ~ 60) °C
Operation Humidity	5%-90%
Waterproof spec	IP54
Dimensions	100.4*70.44*51.32mm
Weight	171.2 g
Certification	CE, FCC, RoHs
<b>Functions</b>	
Photo+Video	Yes
Time Lapse	Yes
Timer	Yes
Time Lapse Delay	Yes
<b>Password Protection</b>	<b>Yes, 6 digits</b>
<b>SD Card Cycle Recording</b>	<b>Yes</b>
Auto Power Off in Test Mode	Yes
Water/WeatherProof	Yes

Specifications are subject to change without prior notice



## 7. Warranty

With great pride and full confidence in our products, we always keep our words which are given to our customers as specified warranty terms and service below. Based on a strict QC system, we initially offer all our customers [one year long time limited warranty](#), come along with selectable chargeable [renewal policy of warranty as one, two, three, or four years](#).

Our products are warranted against defects in materials and workmanship for a period of one year from the date of original purchase. If a defect exists, we will, at our option and to extent permitted by law will (1) repair the product at no charge using new or refurbished parts; (2) exchange the product with a functionally equivalent product that is new or refurbished. Provided the product is returned freight charge paid.

This warranty excludes damage resulting from abuse, accident, modifications or other causes that are not defects in materials and workmanship, or by someone other than our authorized technicians. This warranty only covers failures due to defects in materials or workmanship under normal usage.

To obtain warranty service, please contact us to determine the nature of problem before return the product under this warranty (with a written description of the problem and print samples) for repairing or exchanging.