

## NVD-B02-6-30X-50-HDW User Manual

This digital night vision camera can be used in both daytime and nighttime, its inner WIFI could link mobile phone, so users could observe and operate on mobile phone. The magnification range is 6~30X, objective diameter is 50mm, infrared light is imported from USA, visual range is 0.8 ~ 580m. Users can take photo and video on both night vision and mobile phone. It is capable of an SD expansion up to 128GB. The night vision camera can records at 1080P, allowing you to clearly and easily identify your target in playback. Whether you are interested in exploring, hunting, or just staying safe in pitch black conditions, this Night Vision Camera is all you will need.

**WARNING:** When using electronic equipment, please obey the following basic rules: For adult only. This camera is not a toy --- treat with care. This camera is intended for recreational use only. Using this camera for illegal activities is absolutely prohibited.  
**CARE & MAINTENANCE:** Keep away from water and store in a cool, dry environment; Do not attempt to repair. Clean lens with dry microfiber cloth is OK.

**USER INSTRUCTIONS:**(See Product Diagram for number correspondence)

Turn On: Press 17 once. Green light 13 will indicate unit is on

Turn Off: Press and hold 17 for two seconds. "ByeBye" message appear on display

Note: Not intended for use in daytime, so user may not see image immediately during daytime

**SET TIME:** Press and hold 18 to enter TIME SET mode. Press 19 and 20 to adjust time. Press 21 to save time setting and press 22 to exit time adjust mode without saving time setting.

**AV MODE OUTPUT:** Long press 18 once to enter TIME SET mode; Long press 18 second time to enter NTSC/PAL mode; press 19 and 20 to select menu, press 21 to saving setting, press 22 to exit without saving setting.

**TF CARD FORMAT:** Long press 18 once to enter TIME SET mode; Long press 18 second time to enter NTSC/PAL mode. Long press 18 third time to enter the FORMAT mode of TF card, select OK and press 22 to make sure the formatting, all files of TF card has been deleted now.

**FOCUSING:** Focus 9 (objective lens), then 14 (hand wheel), then 1 (eyepiece)

**USING NIGHT VISION:**

Press 18 Once, red light 15 will indicate that infrared is on, 16 can adjust IR light brightness

Press 18 Second: **IR on + green image**

Press 18 Third: **IR on + Black & White image**

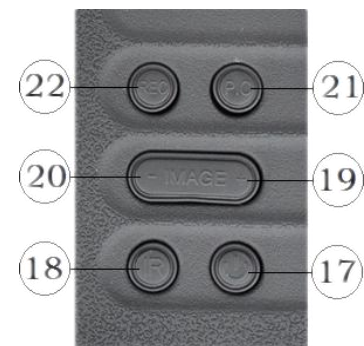
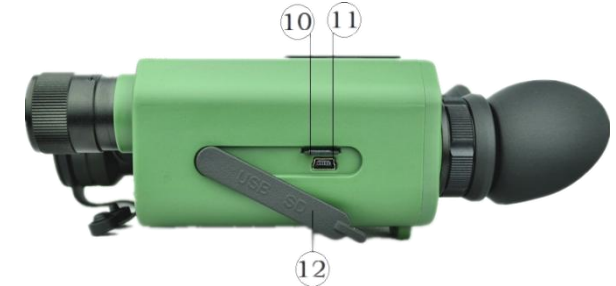
Press 18 Forth to turn IR light off.

14 can adjust the (7 classes) low illumination and contrast. At night, rotate 14 to adjust the low illumination to 4~7 class, the night vision will get a better image.

Press 19 and 20 to adjust the magnification from 6 ~ 30X.

**RECORD VIDEO:** Press 22 to record video, press 22 again to stop recording video. During recording, pressing 21 could also take picture.

1	left/right eyepiece
2	1/4" interface
3	LOGO
4	battery lid
5	adjustable IR light
6	5V2A/DC input
7	AV output
8	twist Objective out
9	objective
10	TF card
11	USB data port
12	TF card cover
13	green indicator light
14	adjust LCD display
15	red indicator light
16	adjust IR brightness
17	ON / OFF
18	IR button
19	increase magnification +
20	reduce magnification -
21	take photo
22	record video



**Important:** If you are powering the camera with batteries, then do not connect the camera to the adaptor. Turn the unit OFF before plugging into adaptor. If you attach the adaptor to the unit while it is turned on and batteries are in the camera, the image will turn fuzzy. To recover, take the battery out, disconnect unit from adaptor, then put batteries back in and turn on.

TAKE PICTURE: Press 21 to take picture, this unit could continuously take pictures.

REVIEW PICTURE/VIDEO ON SD CARD: Press 17 once to enter the mode of picture/video scan, press 17 again to exit. In the mode of picture/video scan, press 21 to watch a video file.

LINK MOBILE PHONE: Download the special APP on the Android system mobile phone, the APP name is CONCOM. Install this APP, turn on the night vision, then press 21 and hold three seconds, the WIFI name (SSID) and password (PWA2) will appear on the display. When the night vision WIFI function is turned on, click the CONCOM on mobile phone, then click the "link unit"(连接设备), find the corresponding WIFI and input the password. When the WIFI link is finished, back to the CONCOM APP and click the option "to set"(去设置), then a "√" will appear and then automatically skip. Now users could use mobile phone to operate night vision through WIFI.

NOTE: When the WIFI function is turned on, the unit will have a higher power consumption. At present, if users want to turn on the WIFI function, powering the unit with battery or USB port will be OK. If users powering the unit with the DC electricity, the night vision working might be unstable or unable to turn on WIFI function. So, users should buy some good quality batteries or 5V2A mobile power bank, then users could enjoy the WIFI function.

Model	<b>NVD-B02-6-30X-50HD (WIFI)</b>
Magnification (X)	6-30 X
Objective diameter (mm)	50 mm
Field of view(° )	7°
Display specifications	<b>VGA 0.26" (640x480), 2PCS</b>
Eyepiece diopter (D)	±5
Waterproof	IPX4
Visual range (1/4 moon, IR on)	0.8……410m
Visual range (full moon)	0.8……580m
Infrared (IR) light	805nm / 40mW(America)
IR effective distance	200m
Video pixel	1080P(1920x1080)/60fps
Picture pixel	2MP
WIFI	Android/iOS
USB External WIFI / USB Data Copy	802.11 b/g/n
Sensitivity	0.002LUX
TF card maximum memory	<b>128GB</b>
Battery type (V)	18650, 3.7V 1pcs
Work hour (IR off, 20° C)	4h
Work temperature range (° C)	-10……+ 50° C
DC input	6~9V/2A
Tripod interface	1/4 "
Video output format	APL/NTSC
Dimensions(LxWxH), mm	210×115×65
Weight (g)	700
Product accessories	Color box, soft bag, shoulder belt, dryer, lens cloth, manual, PE bag, batteries charger, video cable, USB cable, daylight color filter etc.