

ENFORCER®

EV-N6506-3W4Q

IP Covert PIR Camera

Web Admin User Manual



Features:

- H.265/MJPEG, Dual Stream IP Camera
- 1/2.8" 5MP Sony CMOS
- D-WDR (Digital Wide Dynamic Range)
- 3.7mm Covert pinhole lens
- True Day & Night function with ICR module
- 12VDC operation, 802.3af PoE
- ONVIF Profile S
- 1440p Resolution
- 2DNR (2D Digital Noise Reduction)
- 3DNR (3D Digital Noise Reduction)
- Camera is hidden in a non-functioning PIR sensor housing

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Programmable Features:

• Exposure

Adjust the shutter speed, automatic gain control (AGC), and defog settings

• Digital Wide Dynamic Range (D-WDR)

Provide clear images even under circumstances where backlight illumination can vary

• Back Light Compensation (BLC)

Adjust the exposure to properly display the subject in front of bright light sources

• White Balance

Adjust the color temperature/image color

• Day & Night

Adjust the level of ambient light that triggers the camera to switch between color and B/W modes

• Digital Noise Reduction (DNR)

Adjust for less interference on the screen in an area with low illumination



D-WDR OFF



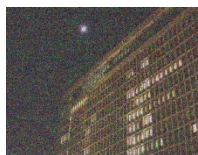
D-WDR ON



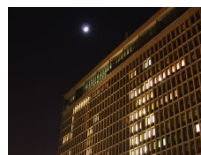
BLC OFF



BLC ON



DNR OFF



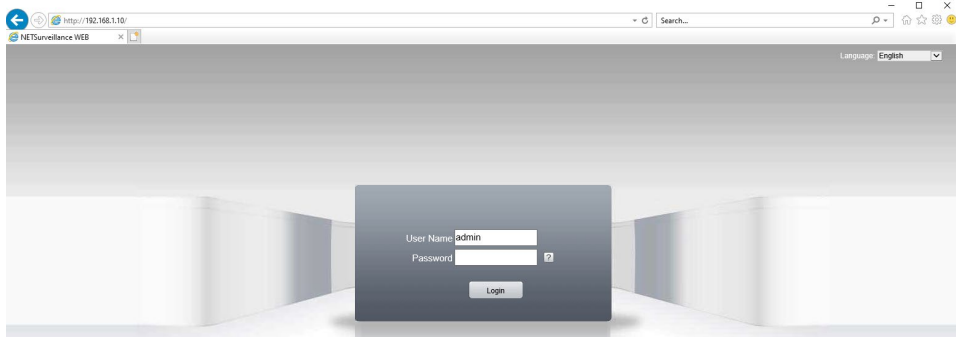
DNR ON

NOTE: All screen images in this manual are simulated.

Accessing the IP Camera Interface:

Login Screen

1. To access the IP Camera interface, input the IP address of the front-end device into the URL address bar of the Internet Explorer browser (default IP address: 192.168.1.10).
2. ActiveX installation is required when the IP camera interface is first accessed. Follow the prompts to install ActiveX.
3. In the following login screen, input the default User Name (Default: admin) and Password (Default: Leave Blank).
4. Click "Login" to proceed.



IP Camera Interface:

Once within the IP Camera interface, the following tabs are made available:

- **Playback:** The Playback tab provides the primary live camera feed and limited settings for adjusting the camera's position and image.
- **Log:** The Log tab allows for full replay and review of recorded video.
- **DeviceCfg:** The DeviceCfg tab allows for full configuration of the IP camera's settings.
- **LocalCfg:** The LocalCfg tab allows for search and review of programmed alarms.
- **Log Out:** Press the Log out tab to log out completely of the IP camera interface.

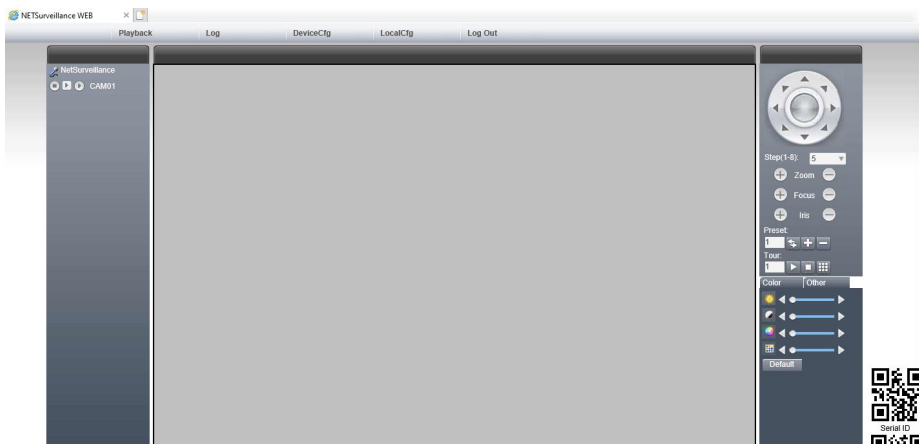


Image Settings:

To open the Image Settings panel, click the "Images" button. The Image Settings panel allows for adjustment of the video image's brightness, contrast, hue, and saturation.

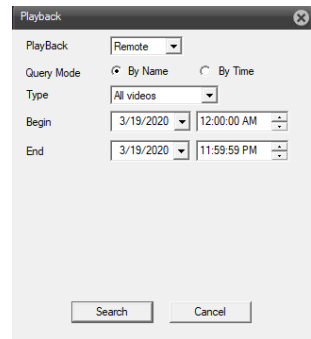
- **Brightness:** Adjust the brightness of the video image
- **Contrast:** Adjust the contrast of the video image
- **Saturation:** Adjust the saturation of the video image
- **Tone:** Adjust the tone of the video image



Playback Settings:

The playback settings allows for full replay and review of recorded video.

1. **PlayBack** – Choose between Remote or Local playback
2. **Query Mode** – Select to search for video by Name or by specific Time
3. **Type** – Select the type of video or picture to search for
4. **Begin** – Select the beginning video recording time to search
5. **End** – Select the ending video recording time to search
6. Click Search to find video



Log:

Alarm Log:

The alarm log records the camera's alarm features.

Displaying the alarm type, date, time, device, and channel.

Type	Date	Time	Device	Channel
Video Motion	2020-03-19	11:24:05	192.168.1.10	CAM1
Video Motion	2020-03-19	11:23:03	192.168.1.10	CAM1
Video Motion	2020-03-19	11:22:29	192.168.1.10	CAM1
Video Motion	2020-03-19	11:21:41	192.168.1.10	CAM1
Video Motion	2020-03-19	11:20:58	192.168.1.10	CAM1
Video Motion	2020-03-19	11:12:22	192.168.1.10	CAM1
Video Motion	2020-03-19	11:09:33	192.168.1.10	CAM1
Video Motion	2020-03-19	10:59:14	192.168.1.10	CAM1
Video Motion	2020-03-19	10:59:29	192.168.1.10	CAM1
Video Motion	2020-03-19	10:57:24	192.168.1.10	CAM1
Video Motion	2020-03-19	10:57:21	192.168.1.10	CAM1
Video Motion	2020-03-19	10:49:19	192.168.1.10	CAM1
Video Motion	2020-03-19	10:48:29	192.168.1.10	CAM1
Video Motion	2020-03-19	10:46:23	192.168.1.10	CAM1
Video Motion	2020-03-19	10:45:24	192.168.1.10	CAM1

Operate Log:

The Operate log records the camera's login attempts.

Type	Date	Time	User	Describe
Notify	2020-03-19	10:29:21	admin	192.168.1.10 Connect successful

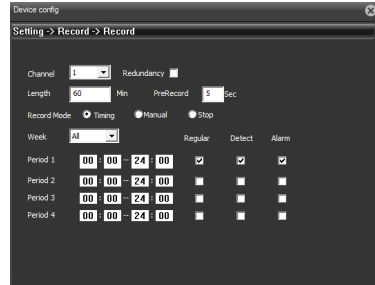
Device Configuration:

The Device Configuration provides access to the Record and Record Snapshot settings



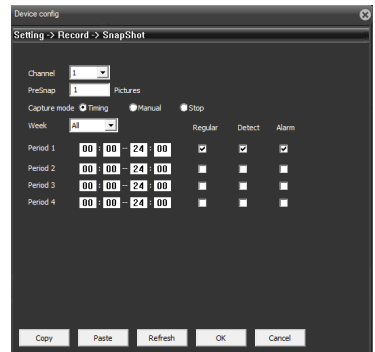
Setting – Record – Record:

1. **Channel** – Select channel to use (default = 1)
2. **Length** – Select the max length of recorded video (default is 60 minutes)
3. **PreRecord** – Set the pre-record time
4. **Record Mode:**
 - a. **Timing** – Automatically records based on up to 4 timing configurations.
 - b. **Manual** – Manually set the camera to record or stop recording
 - c. **Stop** – Stops the camera from recording
5. Click OK to save.



Setting – Record – Snapshot:

1. **Channel** – Select channel to use (default = 1)
2. **PreSnap** – Select number of PreSnaps (default = 1)
3. **Record Mode:**
 - a. **Timing** – Automatically records based on up to 4 timing configurations.
 - b. **Manual** – Manually set the camera to snap a snapshot
 - c. **Stop** – Stops the camera from recording
4. Click OK to save



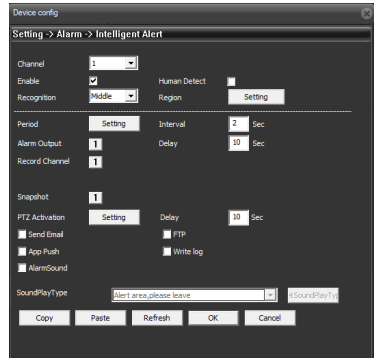
Setting – Alarm:

1. **Intelligent Alert** – Configure alerts
2. **Video Blind** – Configure settings pertaining to camera being blinded (spray painted or covered)
3. **Video Loss** – Configure settings for loss of video
4. **Alarm Input** – Configure alarm inputs
5. **Alarm Output** – Configure alarm outputs
6. **Abnormal** – Configure settings for abnormalities (IP conflicts, not enough storage)



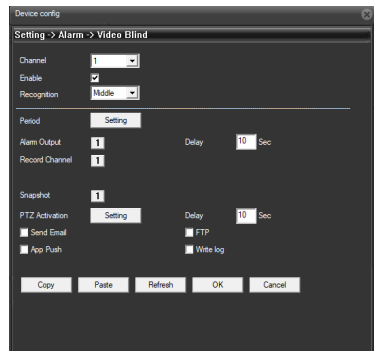
Setting – Alarm – Intelligent Alert:

1. **Channel** – Select channel to use (default = 1)
2. **Enable** – Check to enable
3. **Human Detect** – Check to detect humans only
4. **Recognition** – Select the sensitivity from Lowest to Highest (default = middle)
5. **Region** – Select the region to monitor
6. **Period** – Set the schedule to monitor
7. **Intervals** – Set the desired intervals in seconds (default = 2 seconds)
8. **Alarm Output** – Default = 1
9. **Delay** – Set the desired delay in seconds (default=10 seconds)
10. **Record Channel** – Default = 1
11. **Snapshot Channel** – Default = 1
12. **PTZ Activation** – Not supported
13. **Send Email** – Check to alert using email
14. **FTP** – Check to alert to FTP server
15. **App Push** – Check to force open application
16. **Write log** – Check to write to the log file
17. **AlarmSound** – Check to enable sound
18. **SoundPlayType** – Select from pre-recorded messages
19. Click OK to save



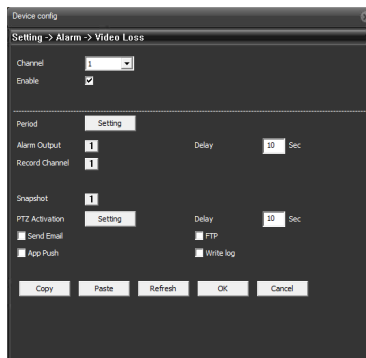
Setting – Alarm – Video Blind:

1. **Channel** – Select channel to use (default = 1)
2. **Enable** – Check to enable
3. **Recognition** – Select the sensitivity from Lowest to Highest (default = middle)
4. **Period** – Set the schedule to monitor
5. **Alarm Output** – Default = 1
6. **Delay** – Set the desired delay in seconds (default = 10 seconds)
7. **Record Channel** – Default = 1
8. **Snapshot Channel** – Default = 1
9. **PTZ Activation** – Not supported
10. **Send Email** – Check to alert using email
11. **FTP** – Check to alert to FTP server
12. **App Push** – Check to force open application
13. **Write log** – Check to write to the log file
14. Click OK to save



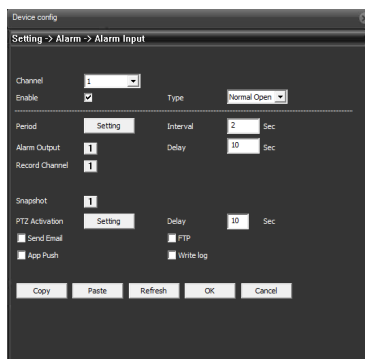
Setting – Alarm – Video loss:

1. **Channel** – Select channel to use (default = 1)
2. **Enable** – Check to enable
3. **Period** – Set the schedule to monitor
4. **Alarm Output** – Default = 1
5. **Delay** – Set the desired delay in seconds (default = 10 seconds)
6. **Record Channel** – Default = 1
7. **Snapshot Channel** – Default = 1
8. **PTZ Activation** – Not supported
9. **Send Email** – Check to alert using email
10. **FTP** – Check to alert to FTP server
11. **App Push** – Check to force open application
12. **Write log** – Check to write to the log file
13. Click OK to save



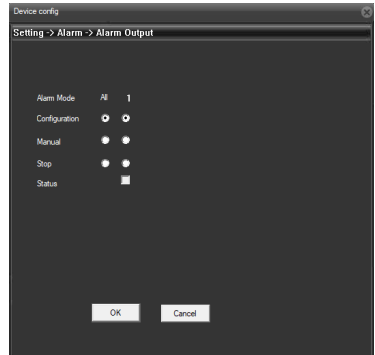
Setting – Alarm – Alarm Input:

1. **Channel** – Select channel to use (default = 1)
2. **Enable** – Check to enable
3. **Type** – Select Normally Open or Normally Close Input
4. **Period** – Set the schedule to monitor
5. **Interval** – Set the desired interval in seconds (default = 2 seconds)
6. **Alarm Output** – Default = 1
7. **Delay** – Set the desired delay in seconds (default = 10 seconds)
8. **Record Channel** – Default = 1
9. **Snapshot Channel** – Default = 1
10. **PTZ Activation** – Not supported
11. **Send Email** – Check to alert using email
12. **FTP** – Check to alert to FTP server
13. **App Push** – Check to force open application
14. **Write log** – Check to write to the log file
15. Click OK to save



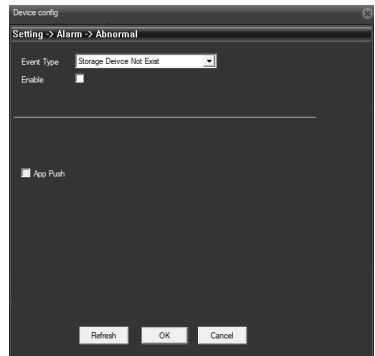
Setting: Alarm – Alarm Output:

1. **Channel** – Select channel to use (default = 1)
2. **Enable** – Check to enable
3. **Configuration** – Select to automatically output alarm
4. **Manual** – Select to manually output alarm
5. **Stop** – Select to have no alarm output
6. **Status** – Check to visually show alarm output
7. Click OK to Save



Setting: Alarm – Abnormal:

1. **Event Type:**
 - a. **Storage Device Not Exist** – Will alert when storage device is not connected
 - b. **Storage Space Lack Alarm** – Will alert when storage is running low
 - c. **Storage Device Access Failure** – Will alert when cannot access device
 - d. **IP Conflict** – Will alert when another device has the same IP as camera
 - e. **NetAbort** – Will alert when camera is disconnected from the network
2. **Enable** – Check to enable
3. **App Push** – Check to force open application
4. Click OK to save



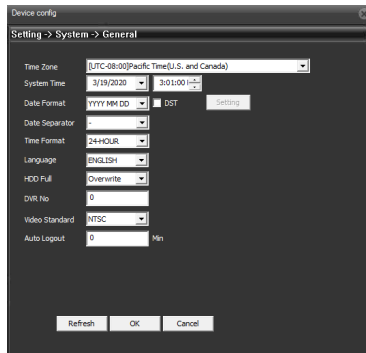
Setting – System:

1. **General** – General configurations
2. **Encode** – Encoding configurations
3. **Network** – Network configurations
4. **NetService** – Services available
5. **GUI Display** – OSD configurations
6. **PTZ Config** – PTZ configurations
7. **RS232** – Serial port configurations
8. **Camera param.** – Advanced camera configurations
9. **Setting** – System – General
10. Click OK to save



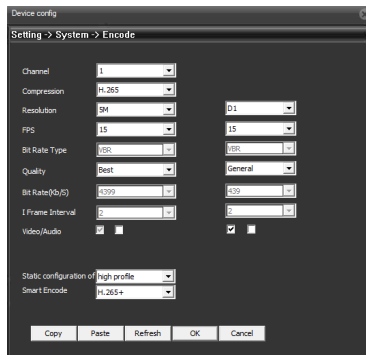
Setting – System – General:

1. **Time Zone** – Select time zone
2. **System Time** – Enter date and time
3. **Date Format** – Select the format to display the date
4. **DST** – Check for Daylight Savings Time
5. **Date Separator** – Select character to use to separate the date
6. **Time Format** – Select between 12 hour or 24 hour clock
7. **Language** – Select language
8. **HDD Full** – Select to either overwrite or stop recording when hard drive is full
9. **DVR No** – Set the number for the DVR (default = 0)
10. **Video Standard** – Select between PAL or NTSC
11. **Auto Logout** – Set a time limit in minutes to automatically log off
12. Click OK to save



Setting – System – Encode:

1. **Channel** – Select channel to use (default = 1)
2. **Compression** – Select between H.265 or H.265X
3. **Resolution** – Select between 2MP, 4MP, or 5MP
4. **FPS** – Select the frames per second
5. **Bit Rate Type** – Select between VBR or CBR
6. **Quality** – Select between Worst and Best (default is Best)
7. **Bit Rate (Kb/S)** – Set the Bit rate
8. **I Frame Interval** – Set the I frame interval (default = 2)
9. **Video/Audio** – Check to record video or audio
10. **Static Configuration** – Select profile between Baseline, Main Profile, and High profile. High profile takes up more space for the stream but the picture quality is better.
11. **Smart Encoding** – Select to use smart encoding on H.265+



Setting – System – Network:

1. **Net Card** – Select network adapter
2. **IP Address** – Enter IP Address for camera
3. **Subnet Mask** – Enter subnet mask
4. **Gateway** – Enter default gateway
5. **Primary DNS** – Enter primary DNS server address
6. **Secondary DNS** – Enter secondary DNS server address
7. **Media Port** – Enter TCP steaming port (default = 34567)
8. **HTTP Port** – Enter HTTP port (default = 80)
9. **Onvif Port** – Enter Onvif port (default = 8899)
10. **Device Info** – Displays camera mac address



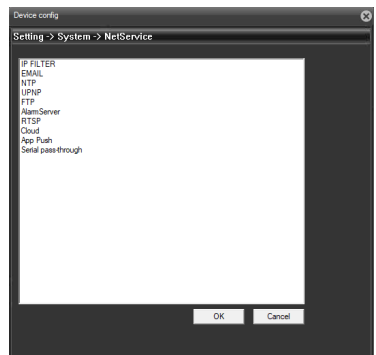
Transfer Policy:

- a. **Adaptive** – For lower bandwidth network. Preview screen automatically adjust to substream.
 - b. **Quality Preferred** – For higher bandwidth network. Preview screen stays in main stream.
 - c. **Fluency Preferred** – Changes the encoder settings and lowers the stream without reducing frame rate to ensure a smoother video.
 - d. **Network Priority** – Limits the users that can view the camera simultaneously. Users with higher bandwidth will take priority.
11. Click OK to save

Setting – System – NetService:

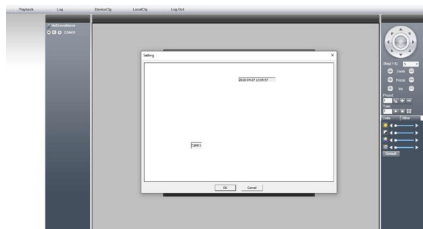
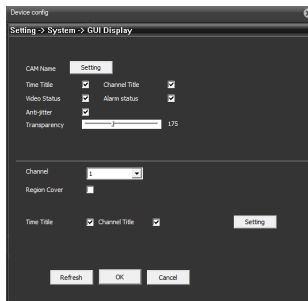
NetService displays the network services available. Double-click each option listed below to configure:

1. **IP Filter** – Blacklist and White list services
2. **EMAIL** – Use email to send alerts or other services
3. **NTP** – Set the time server
4. **UPNP** – Allows devices in your network to discover each other
5. **FTP** – Configure the file server
6. **AlarmServer** – Configure an alarm server
7. **RTSP** – Real Time Streaming Protocol – used to stream camera video over network
8. **Cloud** – Set up a third party cloud provider
9. **App Push** – Force open an application
10. **Serial Pass-Through** – Configure RS232 settings



Setting – System – GUI Display:

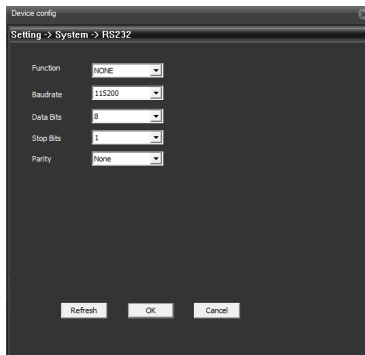
1. **CAM Name** – Click Setting and Enter camera name
2. **Time Title** – Check to display camera name on screen
3. **Channel Title** – Check to display channel number on screen
4. **Video Status** – Check to display status of recording on screen
5. **Alarm Status** – Check to display alerts from alarms on screen
6. **Anti-Jitter** – Check to enable anti-jitter
7. **Transparency** – Adjust transparency (default = 175)
8. **Channel** – Select channel to use
9. **Region Cover** – Check to enable region cover
10. **Time Title** – Check to display time on screen
11. **Channel Title** – Check to display channel on screen
12. **Setting** – Configure the position of the user interface.
13. Click OK to Save



Setting: System – PTZ Config: Not Supported

Setting – System – RS232:

1. **Function** – Select between NONE and Transparent functions
2. **Baudrate** – Set baudrate (max 115200)
3. **Data Bits** – Set data bits (5 – 8)
4. **Stop Bits** – Set stop bits (1 – 2)
5. **Parity** – Set parity (None, Odd, Even, Mark, Space)
6. Click OK to save



Setting – System – Camera param:

1. **Channel** – Select channel to use
2. **Exposure mode** – Set the exposure time. Can choose between Automatic and Manual.

Day/Night mode:

- a. **Star IR** – Camera controls day and night settings automatically
- b. **Full Color** – Camera stays in color
- c. **Black and White mode** – Camera stays in black and white
- d. **Smart Alert** – Enable smart alert

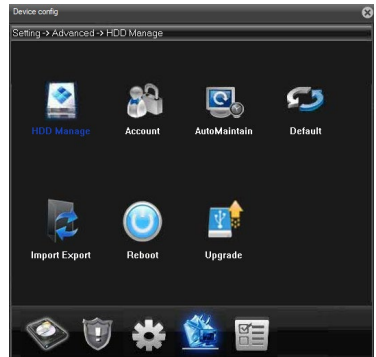


Setting – System – Camera param (continued):

- e. **Intelligent Variable** – Enable Intelligent Variable
- f. **Intelligent Infrared** – Enable Intelligent Infrared
3. **Auto Iris** – Choose between Close (Off) and Open (On).
4. **White Balance** – Set the white balance for Indoor, Outdoor, Automatic
5. **AE Reference** – Set the AE reference (default = 50)
6. **BLC** – Turn backlight compensation Open (On) or Close (Off)
7. **D-WDR** – Turn digital wide dynamic range Open (On) or Close(Off)
8. **AE Sensitivity** – Adjust sensitivity
9. **AGC** – Turn automatic gain control Open (On) or Closed (Off)
10. **Slow Shutter** – Set the shutter speed (None, Low, Medium, High)
11. **IR_Cut** – Set the IR Cut to IR_synchronous Switch or Automatically Switch
12. **DayNTLevel** – Set Day time NT Level (0 -5)
13. **NightNTLevel** – Set Night time NT Level (0 – 5)
14. **Front end comm** – Send a communication to front end
15. **Mirror** – Check to mirror image
16. **Flip** – Check to flip image
17. **Anti-Flicker** – Check to enable Anti-Flicker
18. **IRSwap** – Check to enable IRSwap
19. **No Red Face Exposure** – Check to reduce red face exposure
20. Click OK to save

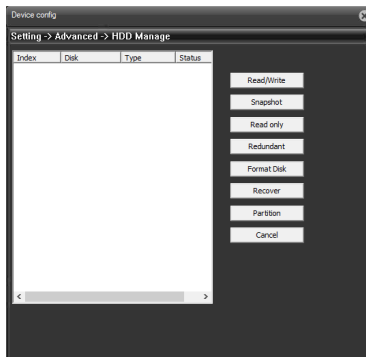
Setting – Advanced:

1. **HDD Manage** – Manage TF card settings
2. **Account** – Manage account settings
3. **AutoMaintain** – Manage automatic reboot and automatic delete settings
4. **Default** – Restore factory defaults
5. **Import Export** – Manage import and export config files
6. **Reboot** – Reboots the camera
7. **Upgrade** – Manage upgrade on firmware



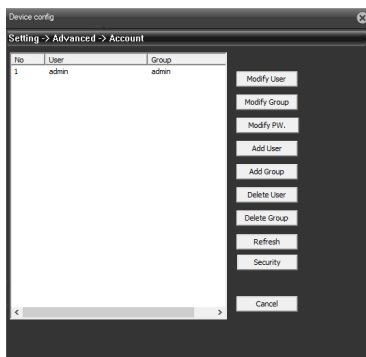
Setting – Advanced – HDD Manage:

1. **HDD Manage** – Manage TF card settings
2. **Read/Write** – Assign read and write permissions to hard drive
3. **Snapshot** – Take a snapshot of current hard drive
4. **Read Only** – Assign read only permissions
5. **Redundant** – Set redundancy with multiple hard drives
6. **Format Disk** – Delete information on hard drive
7. **Recover** – Attempt to recover hard drive
8. **Partition** – Partition selected hard drive
9. **Cancel** – Exit



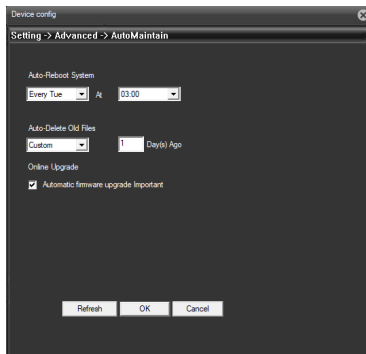
Setting – Advanced – Account:

1. **Modify User** – Set the permission for user
2. **Modify Group** – Set the permissions for the user group
3. **Modify PW** – Change password
4. **Add User** – Add user
5. **Add Group** – Add user group
6. **Delete User** – Delete user
7. **Delete Group** – Delete user group
8. **Refresh** – Refresh list
9. **Security** – Configure secret questions in case password is forgotten
10. **Cancel** – Exit



Setting – Advanced – AutoMaintain:

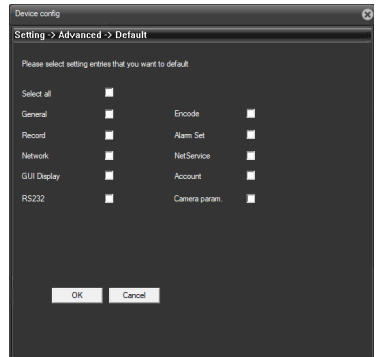
1. **Auto-Reboot System** – Select a time to auto reboot
2. **Auto-Delete Old Files** – Select the number of days old a file needs to be in order to auto-delete
3. **Only Upgrade** – Check to automatically check for upgrade
4. Click OK to save



Setting – Advanced – Default:

Select the settings to default back to factory settings

Click OK to save

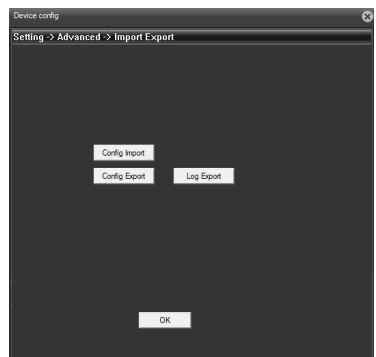


Setting – Advanced – Import Export:

1. **Config Import** – Click to import config file
2. **Config Export** – Click to export config file
3. **Log Export** – Click to export log file
4. Click OK to exit

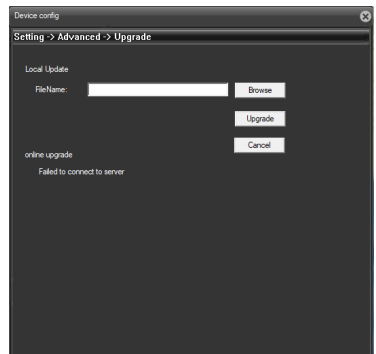
Setting – Advanced – Reboot:

1. Click OK to reboot camera



Setting – Advanced – Upgrade:

1. **Browse** – Select firmware update file
2. **Upgrade** – Click Upgrade to start the upgrade process
3. **Cancel** – Click to exit



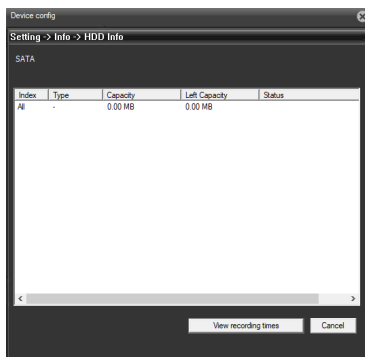
Setting – Info:

1. **HDD Info** – View storage and recordings information
2. **Log** – View Log file
3. **Version** – View software version



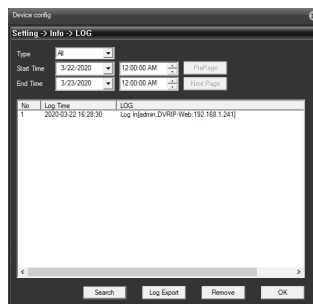
Setting – Info – HDD Info:

1. **View recording times** – Click to view recording times
2. Click Cancel to exit



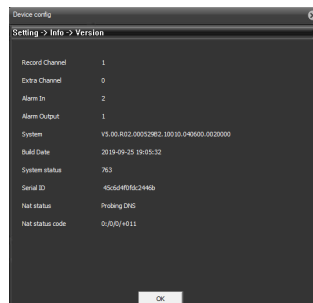
Setting – Info – Log:

1. **Type** – Select the type of log file to search (All, System, Config, Storage, Alarm Event, Week day, Account, or Playback)
2. **Start Time** – Select start time for search
3. **End Time** – Select end time for search
4. **Search** – Fill in the start and end time and click search to display log
5. **Log Export** – Export log to file
6. **Remove** – Delete log
7. **OK** – Click OK to exit



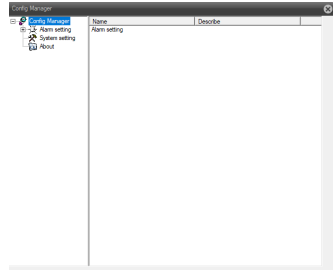
Setting – Info – Version:

1. **OK** – Click OK to exit



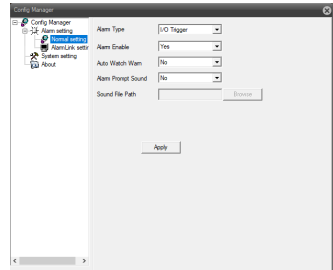
Config Manager:

1. **Alarm Setting** – Alarm configurations
2. **System Setting** – System configurations
3. **About** – Version information



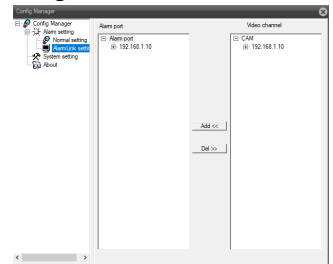
Config Manager – Alarm Setting – Normal Setting:

1. **Alarm Type** – Set external alarm trigger
2. **Alarm Enable** – Select Yes to enable
3. **Auto Watch Warn** – Select Yes to enable
4. **Alarm Prompt Sound** – Select Yes to enable notification sound
5. **Sound File Path** – Browse to .wav file
6. **Apply** – Click Apply to save



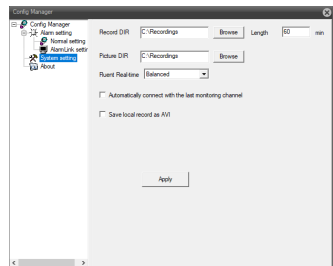
Config Manager – Alarm Setting – AlarmLink Setting:

Used to establish linkage between alarms



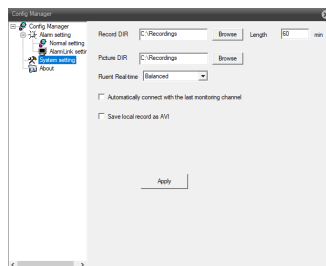
Config Manager – System Settings:

1. **Record DIR** – Set directory to save recordings
2. **Length** – Set the max length of recording in minutes (default = 60)
3. **Picture DIR** – Set directory to save pictures
4. **Fluent Real-Time** – Set the quality of the video from Most Real-Time (Highest) to Most Fluency (Lowest)
5. **Automatically connect with the last monitoring channel** – Check to enable
6. **Save local record as AVI** – Check to save files as .avi
7. **Apply** – Click Apply to save



Config Manager – About:

Record DIR – Displays the software versions



Troubleshooting:

The screen is blank	<ul style="list-style-type: none"> • Check that the camera is powered up • Check that the power supply’s polarity is correct • Check that the monitor is powered up • Check that the video cable connecting the camera to the monitor is connected properly
The screen image is dim	<ul style="list-style-type: none"> • Clean the lens using a soft, clean cloth • Check that the light source is adequate
Strong backlight is overpowering the image	<ul style="list-style-type: none"> • Change the D-WDR or Backlight settings
Image has too much digital noise	<ul style="list-style-type: none"> • Change the DNR settings
The screen image is distorted	<ul style="list-style-type: none"> • Change the position of the camera
Motion detection is not activated	<ul style="list-style-type: none"> • Activate MOTION DET in the Setup Menu • Properly define the motion detection area
IR LEDs do not turn on	<ul style="list-style-type: none"> • Check that the correct power supply is in use

IMPORTANT: Users and installers of this product are responsible for ensuring this product complies with all national, state, and local laws and statutes related to monitoring and recording audio and video signals. SECO-LARM will not be held responsible for the use of this product in violation of any current laws or statutes.

FCC COMPLIANCE STATEMENT

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.

WARRANTY: This SECO-LARM product is warranted against defects in material and workmanship while used in normal service for three (3) years from the date of sale to the original customer. SECO-LARM’s obligation is limited to the repair or replacement of any defective part if the unit is returned, transportation prepaid, to SECO-LARM. This Warranty is void if damage is caused by or attributed to acts of God, physical or electrical misuse or abuse, neglect, repair or alteration, improper or abnormal usage, or faulty installation, or if for any other reason SECO-LARM determines that such equipment is not operating properly as a result of causes other than defects in material and workmanship. The sole obligation of SECO-LARM and the purchaser’s exclusive remedy, shall be limited to the replacement or repair only, at SECO-LARM’s option. In no event shall SECO-LARM be liable for any special, collateral, incidental, or consequential personal or property damage of any kind to the purchaser or anyone else.

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SECO-LARM® U.S.A., Inc.

16842 Millikan Avenue, Irvine, CA 92606
 Phone: (949) 261-2999 | (800) 662-0800

Website: www.seco-larm.com
 Email: sales@seco-larm.com



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