



DVR Installation Manual

OpenEye[®]



OpenEye E-Series DVR

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This guide will assist you in setting up an **OpenEye E-series** DVR for the I-View Now portal.

Installation Step Summary

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3. **Notification Setup:** Configuring the DVR for communication with I-View Now's service.
4. **Recording Setup:** Configuration of alarm and event recording.
5. **Live Stream Setup:** Live video streaming configuration.
6. **Schedule Setup:** Configuring when the DVR should be recording video.
7. **Camera Setup:** Setting up camera motion detection and picture settings.
8. **Motion Recording Setup:** Configuring recording on motion events.
9. **Sensor Recording Setup:** Enabling recording and notifications on alarm inputs.
10. **Extra Alarm Setup:** Extra event (HDD info, etc.) setup.
11. **Entry Delay Setup:** Duplicate camera for entry delay setup

Installation Checklist

System

System Configuration

- Turn on NTP synchronization to pool.ntp.org (*not required, but a good idea*)

User Configuration

- Change admin password
- ▶ Create new guest user
 - Function access permission: Everything but shutdown and network configuration
 - Setup access: None

Record

Record Configuration

- Turn on for all channels
- Size: 352x240
- IPS: 30
- Quality: High
- Intensive: Off
- Pre-alarm: 5 sec
- Post-alarm: 10 sec

Schedule

- Set all squares to MOT+SENS

Motion/Event configuration

- Motion: On
- Sensitivity: (Set as needed)
- Area: On
- Sensor: (Set as needed)
- Video Loss: off

(Continued on next page)

Network

Network Configuration

- Network type: Static IP
- IP address: (Choose a static IP on the network)
- Client Configuration:
- Center port: 2000
- Video port: 2002
- Web port: 80
- DNS Server: 8.8.8.8, 8.8.4.4

E-Mail Configuration

- ▶ E-Mail Server
 - Email Server: SMTP Server
 - User name: Username
 - User e-mail: *E-mail from installation worksheet*
 - Server: ivnview.com
 - Port: 3480
 - ID: USERID
 - Password: PASSWORD
- ▶ Type: E-mail. For first e-mail option:
 - SET: Sensor only
 - PIC: Off
 - E-Mail address: *E-mail from installation worksheet*

Setting Up Entry Delay

- Configure Pins
- Duplicate camera

Installation Worksheet

The I-View Now Portal will provide an Installation Worksheet after entering the DVR make and model into the system. This sheet will contain configuration information for the DVR's notifications area, and provides a form to fill in details about the site setup (alarms, zone names). An example worksheet is printed below.

| | | | |
|-------------------------------------|---------------------|---|-----------------|
| DVR/NVR #1: OpenEye E-Series | | | |
| SMTP Account ID: | example@ivnview.com | DVR Username: | admin |
| SMTP Server ID: | ivnview.com | DVR Password: | 11111 |
| SMTP Server Port: | 3480 | | |
| Location IP Address: | _____ | | |
| Device Port Number: | _____ | | |
| Device Port Number: | _____ | | |
| <hr/> | | | |
| Pin 1 | Camera _____ | Event Type: <input type="checkbox"/> Alarm <input type="checkbox"/> Panic <input type="checkbox"/> Alert <input type="checkbox"/> Arm <input type="checkbox"/> Disarm <input type="checkbox"/> Unused | Zone Desc _____ |
| <hr/> | | | |
| Pin 2 | Camera _____ | Event Type: <input type="checkbox"/> Alarm <input type="checkbox"/> Panic <input type="checkbox"/> Alert <input type="checkbox"/> Arm <input type="checkbox"/> Disarm <input type="checkbox"/> Unused | Zone Desc _____ |

You will need to retrieve the IP address while on-site. Either ask the customer/IT department for the IP address, or visit <http://whatismyip.org> while on-site for the correct address.

User Setup

This step sets up a guest account for the owner's use, as well as setting the administrator password. This menu is available from **System -> User Configuration**.

Click **"ADD/CHANGE"** next to the **admin** user to open the user editor.

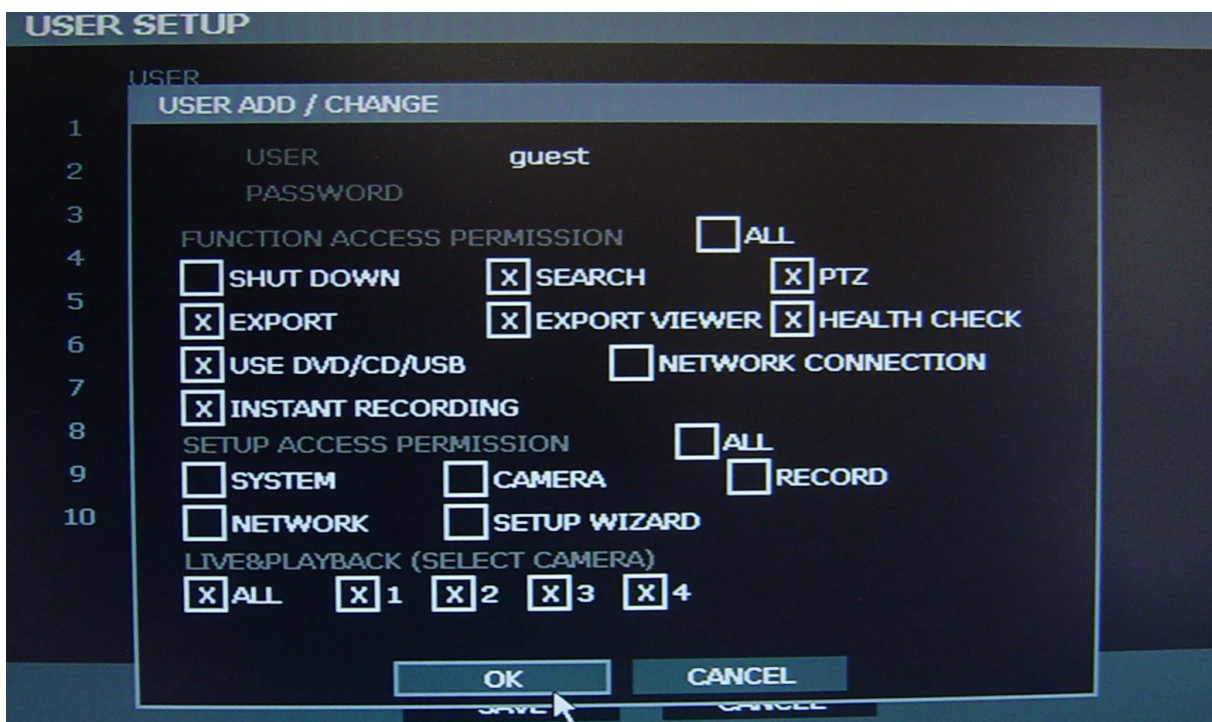
- Set the password to the password in the installation manual.

Click **OK** to finish.

Next, click **"ADD/CHANGE"** next to user slot 2 to create a new user.

- Username: **guest**
- Password: **None**
- Function access permissions: **All, except shutdown/network connection**
- Setup access: **None**
- Access to all cameras

Click **OK** to save the new user.



Recording Setup

This will set up event-based recording.

Recording Setup – Frame

Enter the following settings. You can click the headers to toggle the settings for all channels at once.

- All channels **On**
- Size: **352x240**
- IPS: **30**
- Quality: **Normal**
- Intensive: **Off**
- Pre-Alarm: **5 sec**
- Post-Alarm: **10 sec**

Click **Save** to finish. You will need to reopen the menu to select the Schedule.

The screenshot shows a menu titled "RECORD SETUP - FRAME" with a table of settings for 4 channels. Below the table is an "INFORMATION" section showing "USED IPS : 120 IPS / 240 IPS". At the bottom are tabs for "FRAME", "SCHEDULE", "AUDIO", and "INSTANT", and buttons for "SAVE" and "CANCEL".

| CH | ON/OFF | SIZE | IPS | QUALITY | INTENSIVE | PRE ALARM | POST ALARM |
|----|--------|---------|-----|---------|-----------|-----------|------------|
| 1 | ON | 352X240 | 30 | NORMAL | OFF | 5 SEC | 10 SEC |
| 2 | ON | 352X240 | 30 | NORMAL | OFF | 5 SEC | 10 SEC |
| 3 | ON | 352X240 | 30 | NORMAL | OFF | 5 SEC | 10 SEC |
| 4 | ON | 352X240 | 30 | NORMAL | OFF | 5 SEC | 10 SEC |

INFORMATION

USED IPS : 120 IPS / 240 IPS

FRAME SCHEDULE AUDIO INSTANT

SAVE CANCEL

Schedule

To set event recording up properly, click **MOT+SENS**, then click **ALL** in the top left of the grid. The schedule should be purple, as below.

After changing the schedule, click **Save** to exit this menu.

The screenshot shows the 'RECORD SETUP - SCHEDULE' menu. At the top, under 'CAMERA', there are checkboxes for 'ALL', '1', '2', '3', and '4', all of which are checked. Below this, under 'RECORD MODE', there are several options: 'NO RECORDING' (unchecked), 'CONTINUOUS' (unchecked), 'MOTION' (unchecked), 'SENSOR' (unchecked), 'CONT+MOT' (unchecked), 'CONT+SENS' (unchecked), and 'MOT+SENS' (checked with an 'X'). The main part of the screen is a grid with days of the week (SUN, MON, TUE, WED, THU, FRI, SAT, H.DAY) on the left and hours (00 to 23) on the top. The entire grid is filled with a purple color, indicating that recording is scheduled for all days and times. At the bottom, there are buttons for 'FRAME', 'SCHEDULE', 'AUDIO', and 'INSTANT'. Below these, there are 'SAVE' and 'CANCEL' buttons.

Motion/Event Configuration

- Motion: **On**
- Sensitivity: Adjust as necessary
- Area: **On**
- Sensor: Set to the appropriate input number(s)
- Video Loss: **Off**

Click **Save** to finish. You may have to reenter this menu to access the other tabs along the bottom.

The screenshot shows a menu titled "MOTION/EVENT SETUP - INPUT". It contains a table with 6 columns: CH, MOTION, SENSITIVITY, AREA, SENSOR, and VIDEO LOSS. The table has 4 rows of data. Below the table is a navigation bar with four tabs: INPUT, SENSOR, ACTION, and ALARM MONITOR. The INPUT tab is currently selected. At the bottom of the screen are two buttons: SAVE and CANCEL.

| CH | MOTION | SENSITIVITY | AREA | SENSOR | VIDEO LOSS |
|----|--------|-------------|------|--------|------------|
| 1 | ON | 5 | ON | 1, | OFF |
| 2 | ON | 5 | ON | 2, | OFF |
| 3 | ON | 5 | ON | 3, | OFF |
| 4 | ON | 5 | ON | 4, | OFF |

INPUT SENSOR ACTION ALARM MONITOR

SAVE CANCEL

Network Setup

This section will guide you through setting up the proper network options.

Network Configuration Menu

Consult the local IT staff for an open static IP to assign the DVR to, and use that here. You will also need to know the static IP address when forwarding a port through the router.

- Host Name: **Any** – For example, customer's last name
- Network Type: **Static IP**
- IP Address: *Use the static IP above*
- Subnet Mask: **Should be 255.255.255.0** unless directed otherwise
- Gateway: **Should be 192.168.1.1** unless directed otherwise
- DNS: **8.8.4.4** or **8.8.8.8**

DDNS settings should be left to "None". Click **Save** to complete this step.

The screenshot shows a 'NETWORK SETUP' menu with two main sections: 'NETWORK' and 'DDNS'. The 'NETWORK' section includes fields for Host Name (Example-DVR), Network Type (STATIC IP), IP Address (192.168.1.159), Subnet Mask (255.255.255.0), Gateway (192.168.1.1), DNS (24.234.0.5), and Client Configuration (SETUP). The 'DDNS' section includes fields for DDNS Server (NONE), Host Name (-), ID (-), Password (*), Router IP (OFF), and Status (CHECK, UNCHECKED). At the bottom are 'SAVE' and 'CANCEL' buttons.

| NETWORK | |
|----------------------|---------------|
| HOST NAME | Example-DVR |
| NETWORK TYPE | STATIC IP |
| IP ADDRESS | 192.168.1.159 |
| SUBNET MASK | 255.255.255.0 |
| GATEWAY | 192.168.1.1 |
| DNS | 24.234.0.5 |
| CLIENT CONFIGUTATION | SETUP |

| DDNS | |
|-------------|-----------------|
| DDNS SERVER | NONE |
| HOST NAME | - |
| ID | - |
| PASSWORD | * |
| ROUTER IP | OFF |
| STATUS | CHECK UNCHECKED |

SAVE CANCEL

E-Mail Configuration

This section sets up the DVR for communication to the I-View Now service.

To begin, click **E-Mail Server**. Within the dialog, change the following settings:

- E-Mail Server: **SMTP Server**
- User Name: **USERNAME**
- User E-Mail: *E-mail from worksheet*
- Server: **ivnview.com**
- Port: **3480**
- ID: **USERID**
- Password: **PASS**

Click OK to save the settings for the e-mail server.

After saving the settings:

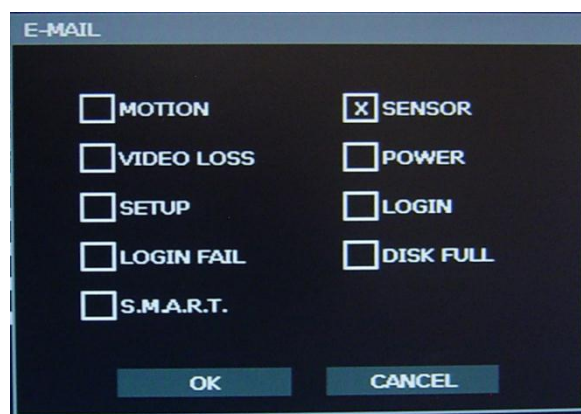
- Click the first e-mail on the main screen and set it to the e-mail address from the installation worksheet.
- Click **SET** and disable all but **SENSOR**.
- Set **PIC** to **OFF**.

Click **Save**. Configuration of the DVR is now complete.



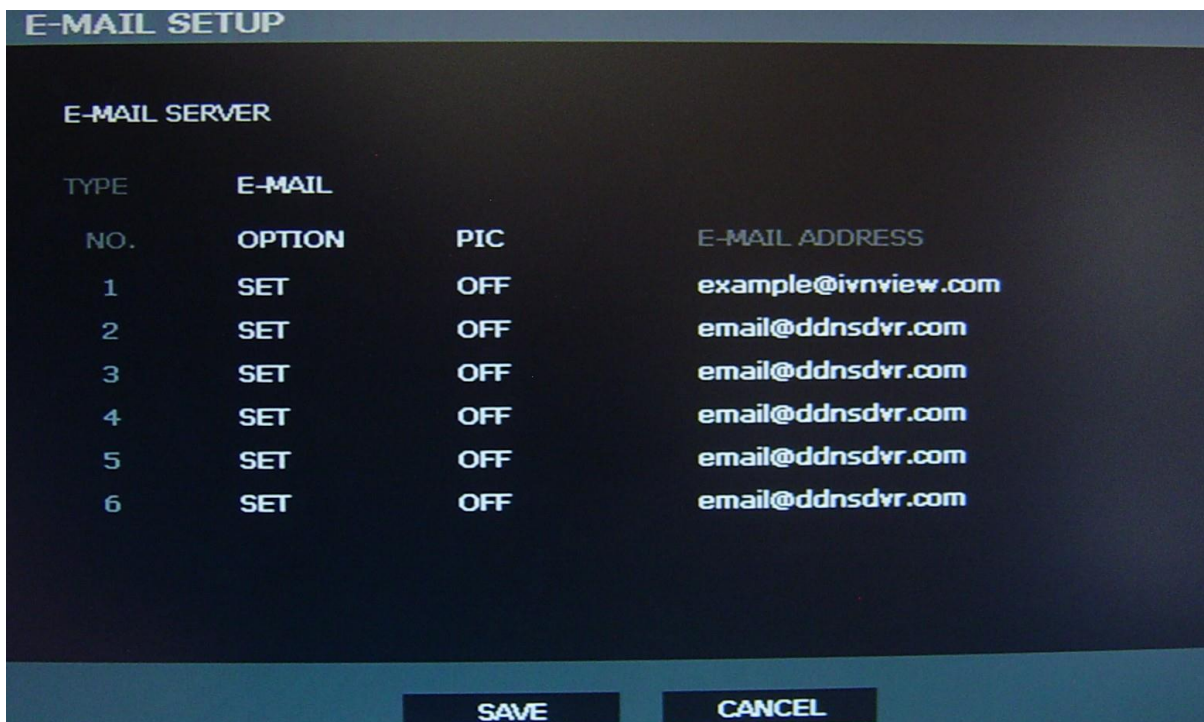
The E-MAIL SERVER dialog box contains the following fields and values:

| E-MAIL SERVER | |
|---------------|---------------------|
| E-MAIL SERVER | SMTP SERVER |
| USER NAME | USERNAME |
| USER E-MAIL | example@ivnview.com |
| SERVER | ivnview.com |
| PORT | 3480 |
| ID | USERID |
| PASSWORD | **** |
| <hr/> | |
| REPORT STAR | OFF |
| MAC ADDRESS | 00:1C:84:10:C3:23 |
| SEND TIME | 00:00:00 |
| SECURITY CODE | 000000 |
| SEND UPDATE | |
| OK CANCEL | |



The E-MAIL dialog box contains the following options:

| E-MAIL | |
|-------------------------------------|--|
| <input type="checkbox"/> MOTION | <input checked="" type="checkbox"/> SENSOR |
| <input type="checkbox"/> VIDEO LOSS | <input type="checkbox"/> POWER |
| <input type="checkbox"/> SETUP | <input type="checkbox"/> LOGIN |
| <input type="checkbox"/> LOGIN FAIL | <input type="checkbox"/> DISK FULL |
| <input type="checkbox"/> S.M.A.R.T. | |
| OK CANCEL | |



The E-MAIL SETUP screen displays a table of email configurations:

| E-MAIL SETUP | | | |
|---------------|--------|-----|---------------------|
| E-MAIL SERVER | | | |
| TYPE | E-MAIL | | |
| NO. | OPTION | PIC | E-MAIL ADDRESS |
| 1 | SET | OFF | example@ivnview.com |
| 2 | SET | OFF | email@ddnsdvr.com |
| 3 | SET | OFF | email@ddnsdvr.com |
| 4 | SET | OFF | email@ddnsdvr.com |
| 5 | SET | OFF | email@ddnsdvr.com |
| 6 | SET | OFF | email@ddnsdvr.com |
| SAVE CANCEL | | | |

Setting up Entry Delay

This DVR does not support recording on multiple channels triggered by one alarm input.

Therefore, entry delay on this hardware requires use of **two** cameras and **two** sensor inputs, due to the one-to-one relationship between alarm inputs and cameras; one to record the entry event, and one to send an alarm when the panel has not been disarmed in time.

As an example, if the alarm configuration is:

- Pin 1: Perimeter Alarm
- Pin 4: Entry Delay

The camera viewing channel 1 will have to be duplicated via BNC cabling to channel 4 as well.

