



# **SYSTEM CONFIGURATOR USER MANUAL**

OpenEye® System Configurator

Software Manual

Manual Edition 31977AE – NOVEMBER 2014

# SYSTEM CONFIGURATOR

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The OpenEye System Configurator is a software tool that allows you to quickly and easily determine what equipment will work best for your installation. This tool allows you to estimate the storage and bandwidth requirements for any proposed installation.

If you have an existing recorder and want to add multiple new cameras, the System Configurator will help choose cameras and determine frame rate. If you are designing a system, the System Configurator can help decide what recorder to choose to work best with your camera needs.

The OpenEye System Configurator is a tool to be used for estimation only. Actual results of equipment will vary from application to application.

## Using the Online Estimator

To access the System Configurator, login to the OpenEye website, and then click System Configurator on the main page. You can start by selecting your cameras, or by selecting your recorder. Once you have selected your desired models and settings, use the Export Save tab to view the estimated storage and bandwidth of your proposed system.

## Select Cameras

Configure an OpenEye Recorder

Select Cameras | Select Model | Export save

Add Cameras Help

Description	Qty	Type	Manufacturer	Model	Resolution	Codec	Quality	Audio	IPS	Motion %	Bitrate (kbps)	Bandwidth (Mbps)	Storage (per day)
New Camera	1	IP	Onvf		320x24	H.264			4	15	48.44	0.05	0.13GB

Add Camera

Days to Record: 3

Storage Requirements

Storage	Bandwidth (Mbps)	Audio	IP Channels	Analog
Per-day storage requirement: 0.13GB	0.05	0	1	0
Total Storage required based on the number of days to store Audio & Video: 0.4GB				

Save | Load | Next

1. Click the **Select Cameras** tab.
2. Select your desired **Type** of camera.
3. If you have selected **IP**, select the **Manufacturer** and **Model**, as well as **Resolution**, **Codec**, Images Per Second (**IPS**), and Motion Detection Percentage (**Motion %**).
4. If you have selected **Analog**, select the **Resolution** and **Codec**, along with the **Quantity**, **IPS**, and **Motion Detection Percentage (Motion %)**. Enable **Audio** if needed.
5. Type a **Description** for the camera, and the number of cameras (**QTY**) you are considering adding to the system with these configurations.
6. To include other cameras with different settings in your estimation, click **Add Camera** and repeat steps 2-5, accordingly.
7. Type the **Number of Days to Store Recorded Audio and Video**, if known.
8. When you have finished, click **Next**.

## Select Model

Choose your recorder by model, or choose the specifications you need to narrow your search.

To choose a model directly, scroll through the list of recorders to find your model, and then click **Select**.

**Configure an OpenEye Recorder**

Select Recorder Options | Select Cameras | **Select Model** | Export save

Select Recorder Options | Help ?

**Recorders That Meet Your Specifications**

Model	Description	Storage (Total)	Bitrate (Total)	Audio (Total)	IP Only Ch (Total)	Hybrid Ch (Total)	Analog Ch (Total)
<input type="button" value="Select"/>	OES-A2U642T NVR, 2U, 64CH, 2TB	2TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U648T NVR, 2U, 64CH, 8TB	8TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U6412T NVR, 2U, 64CH, 12TB	12TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U6418T NVR, 2U, 64CH, 18TB	18TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U6424T NVR, 2U, 64CH, 24TB	24TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U6432T NVR, 2U, 64CH, 32TB	32TB	90 Mbps	16	64	0	0
<input type="button" value="Select"/>	OES-A2U322T NVR, 2U, 32CH, 2TB	2TB	90 Mbps	16	32	0	0
<input type="button" value="Select"/>	OES-A2U328T NVR, 2U, 32CH, 8TB	8TB	90 Mbps	16	32	0	0

Requirements (Based on configured cameras)	Storage (Required)	Bitrate (Mbps) (Required)	Audio (Required)	IP Channels (Required)	Analog (Required)
Selected model (External RAID Storage, IP CH upgrades, etc)	0GB	0.00	0	1	0
Remaining	-0.4GB	-0.00	0	-1	0

Save | Load | Next

To narrow your search, follow these instructions.

1. Click **Storage Requirement**.
2. Type the **Total Days of Storage Required**. If you do not know, leave this field blank.

**Note** You can also select options indicating live monitoring or remote capabilities.

3. Click **Filter Chassis Size**, and then select the appropriate size (**2U**, **3U**, **4U**, or **Micro Chassis**). You can select more than one size.
4. Click **Select Recorder Options**.

5. Choose the options you want to include with your recorder. You can select more than one option

**Note** The list of recorders will narrow with each selection you make. If your desired features do not exist in a recorder offered by OpenEye, the list will say "There are no matches based on the criteria you selected." To remedy this, eliminate options to expand your search.

6. Click **Additional RAID Storage** and select a storage size to include a storage upgrade in your calculation.
7. Click **Additional IP Channels** and select the number of additional channels to include an IP channel upgrade in your calculation.

**Note** Both **Additional RAID Storage**, and **Additional IP Channels** are upgrade options to be purchased in addition to your recorder.

8. When you have determined your requirements, click **Select** next to the recorder you want to include in your calculations, and then click **Next**.

## Export Save

When you have determined your cameras, camera settings, and recorder configuration, click **Export Save** to view the results of your calculations.

Configure an OpenEye Recorder

Select Cameras Select Model Export save

Review Configuration Help ?

### Details

#### Camera Details

model	description	type	manufacturer	resolution	codec	ips	motion %	bit rate (Mbps)	Total Storage (GB)	IP QTY	Analog QTY
CM-810	New Camera	IP	OpenEye	1024x768	H.264	4	15	0.40	0.77	1	0
CM-811	Existing Camera	IP	OpenEye	1024x768	H.264	4	15	1.40	2.3	3	0

Required Resources

3.07	4	0
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#### Digital Recorder Details

QTY	Model	Description	Total Storage (GB)	IP QTY	Analog QTY
1	CE5-A2J0418T	N-Series 2U NVR, 64 Channel, 10TB Storage, Dual NIC, Reporter/Ready! (Included Software: RACUS Hub-Site Remote, Standard Remote, Emergency Agent, Backup Viewer, Mobile Phone Support)	10000	64	0

Remaining Resources

17996.93	60	0
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### Project Information

Date: Wed May 01 2013

Configuration #: 0

Reseller Name:

Salesperson:

Project Location:

Project Description:

### Disclaimer

The information contained in this report is an estimation only. Real world values may be substantially different.

Save Load Export

If your camera requirements are too high for your chosen recorder, the result listed in **Remaining Resources** will be a negative number. You can go back to the **Select Cameras** or **Select Model** tabs to make adjustments.

## Saving Configuration

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You can save this configuration to use these same cameras or recorders on the System Configurator at another time, without being required to manually re-enter all the information. To save your estimation, follow these instructions.

1. Type the appropriate information into the Project Information area, and then click **Save**.
2. Type a title for this configuration name and a customer name, and then click **Save**.

**Note** If you are not signed in with an OpenEye account, skip to step 3.

3. Type a **Configuration Number**, and then click **OK**.

To use a previously saved estimation,

1. Click **Load**.
2. Click **Load Configuration** next to the configuration you want to review.

## Downloading Configuration

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You can download your configuration to print out for a client or send via email. To download your estimation, follow these instructions.

1. Type the appropriate information into the Project Information area, and then click **Export**.
2. Click the file type you want to download (**PDF** or **XLS**).
3. The downloaded file can be opened, printed, and saved as desired.

[www.openeye.net](http://www.openeye.net)

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