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# Milestone Systems

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Milestone® System Watch

Administrator manual



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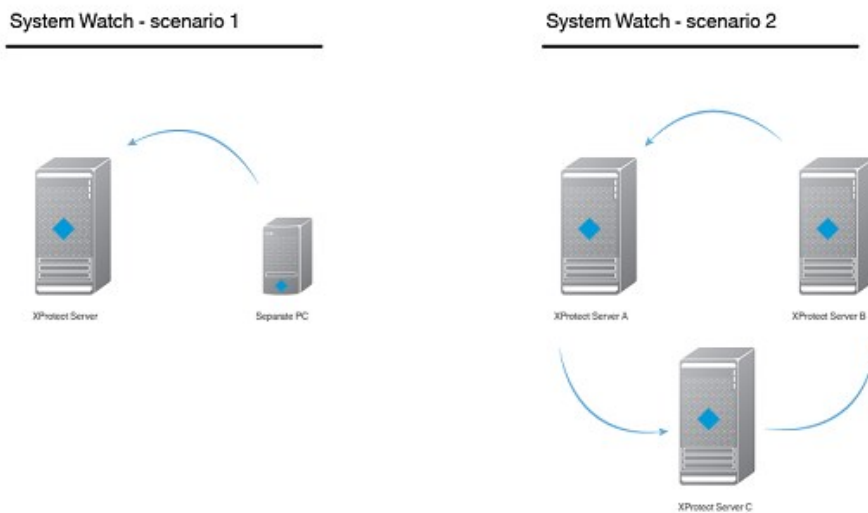
This product may make use of third-party software for which specific terms and conditions may apply. When that is the case, you can find more information in the file `3rd_party_software_terms_and_conditions.txt` located in your Milestone system installation folder.

## Overview

### Milestone System Watch (explained)

Milestone System Watch is a utility intended for security personnel to monitor and detect hardware or software failures. In order to use System Watch, you must install it on a separate computer from the computer running the XProtect software you want to monitor. One System Watch installation can watch a single XProtect server.

- In a setup with a single XProtect server, you need a single installation of System Watch on a PC separate from the XProtect server (scenario 1)
- In a setup with a multi-server system running XProtect Enterprise or XProtect Professional, you can have System Watch on Server A monitor Server B, while Server B can run System Watch to monitor Server C, etc (scenario 2)



Once installed, System Watch checks if software and/or hardware on the computer that runs your XProtect system is running correctly. If failures are detected, System Watch triggers outputs to an attached ADAM 6060 box (if you have such an ADAM box installed). This takes place when System Watch has registered a number of failures.

System Watch can detect:

- Hard drive failures. If a hard drive fails on which recordings are stored (before archiving), you can configure System Watch to trigger an output on an I/O device
- Recording system failures, including power failures. If the recording server fails (for example a crash, network interface card failure, motherboard failure, power failure), you can trigger an output on an I/O device
- Camera failures. If your XProtect surveillance system can no longer communicate with a camera, you can trigger an output on an I/O device

System Watch is compatible with XProtect Enterprise 8.1+, XProtect Professional 8.1+, XProtect Express 1.1+ and XProtect Essential 2.1+.



System Watch enables XProtect systems to adhere to the French surveillance regulation APSAD R82 and can be used by APSAD-certified installers.

# Installation

## Install System Watch

1. Run the installer. Depending on your security settings, you may receive one or more security warnings. Click the **Run** button if you receive a warning.
2. When the installation wizard starts, select language for the installer and then click **Continue**.
3. Read and accept the license agreement, and indicate if you want to participate in the Milestone data collection program.
4. Select **Typical** or **Custom** installation. If you select **Custom** installation, you can select application language and where to install System Watch. Select a user for the service account. If the computer is part of a domain, you must either define the service as a network service or a domain user account.
  - If you choose **This preferred account**, System Watch installs a network service account
  - If you choose **This account**, you can browse for a domain user in your network user database that has rights to access both the computer running System Watch and the computer running the XProtect surveillance system. Provide the password assigned to the selected user account



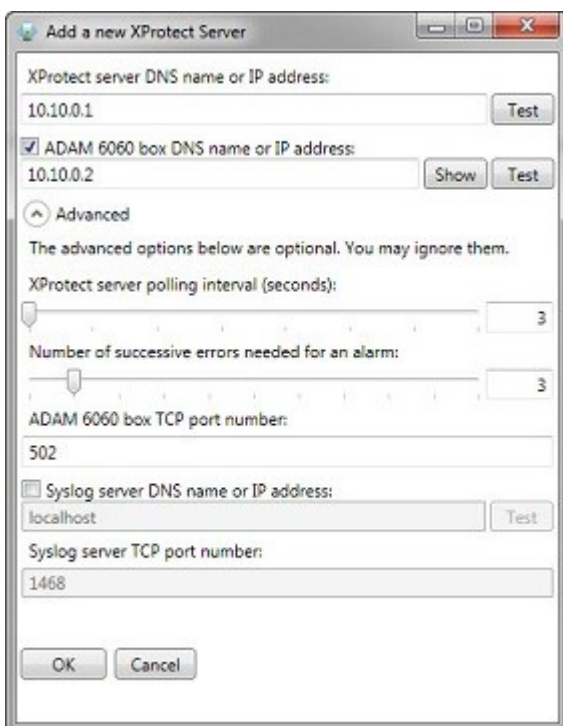
5. Click **Continue** to complete the setup.

# Configuration

## Set up System Watch

Once you have installed System Watch, you add an XProtect surveillance server by indicating its DNS name or IP address. Click **Test** to see if a connection has been successfully established between System Watch and your XProtect surveillance system.

You add an ADAM 6060 box by indicating its DNS name or IP address. ADAM 6060 boxes are enabled by default. If you do not have an ADAM 6060 box connected to your system, Milestone recommends that you clear the check box enabling the ADAM box, since your system will keep using system resources while trying to connect to the ADAM 6060 box.

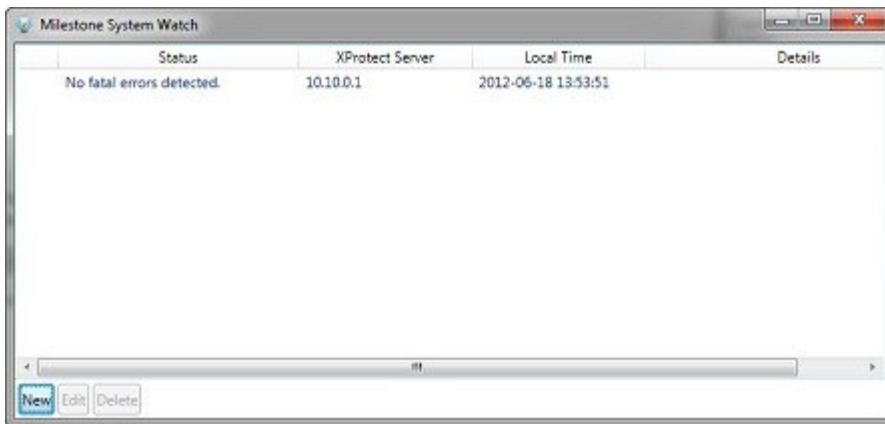


Click **Show** to see an overview of alarm states (on/off), or click **Test** if you want to test the connection between System Watch and your ADAM 6060 box.

Under **Advanced**, you can set:

- The number of seconds to pass before the System Watch contacts the XProtect server
- The number of successive errors needed for an alarm to be triggered
- TCP port number for the ADAM 6060 box
- DNS name or IP address of a Syslog server
- TCP port number for the Syslog server

Once you have finished setting up the XProtect surveillance server, click **OK**. System Watch now keeps you updated on the status of the XProtect surveillance server. If you need to, you can edit existing servers or add more XProtect surveillance servers at a later stage.

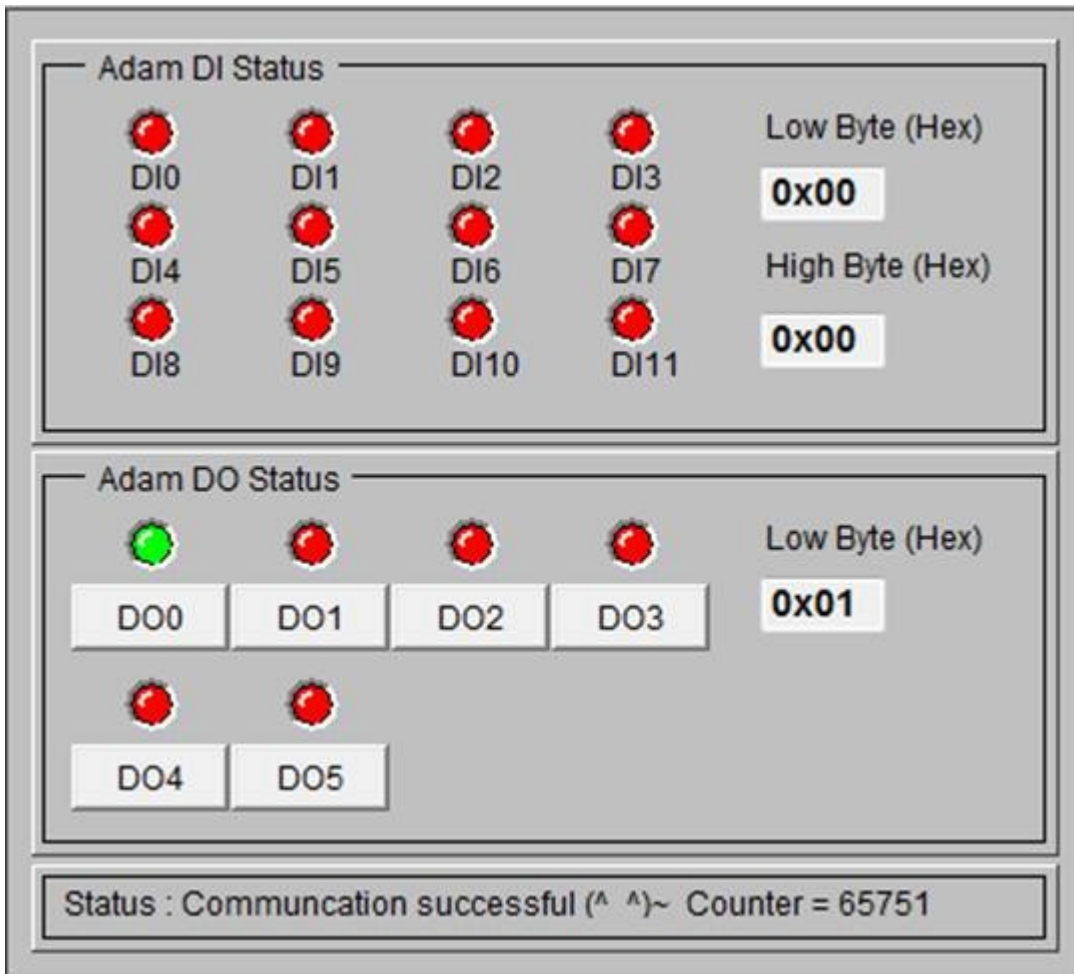




## Troubleshooting

### About error scenarios on the ADAM box (explained)

When a failure on recording servers, hard drives or cameras is detected, the ADAM box' pins indicates which type of failure you are experiencing. If pin 0 is on, it indicates that a failure has been detected (or that the **Test** button has been pushed), if pin 2 is on, it indicates there is a recording server failure, if pin 3 is on, it indicates a hard drive failure and if pin 4 is on, it indicates that there is a camera failure.



The **Test** button has been pressed to show pin 0/error code 0x01.

Name	Description
Recording server failure:	The error code is 0x05, and pins 0 and 2 on the ADAM box are raised (pin 0 on means 0x01, pin 2 on means 0x04, so total 0x05).
Hard drive failure:	The error code is 0x09, and pins 0 and 3 on the ADAM box are raised (pin 0 on means 0x01, pin 3 on means 0x08, so total 0x09).
Camera failure:	The error code is 0x11, and pins 0 and 4 on the ADAM box are raised (pin 0 on means 0x01, pin 4 on means 0x10, so total 0x11).
A hard drive failure and a camera failure at the same time:	Pins 0, 3 and 4 on the ADAM box are raised (pin 0 for both hard drive failure and camera failure, pin 3 for hard drive failure, and pin 4 for camera failure).

When you click the **Test** button in System Watch, it raises pin 0 (and only pin 0) for a short while on the ADAM box (as seen in the screenshot above).



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#### About Milestone

Milestone Systems is a leading provider of open platform video management software; technology that helps the world see how to ensure safety, protect assets and increase business efficiency. Milestone Systems enables an open platform community that drives collaboration and innovation in the development and use of network video technology, with reliable and scalable solutions that are proven in more than 150,000 sites worldwide. Founded in 1998, Milestone Systems is a stand-alone company in the Canon Group. For more information, visit <https://www.milestonesys.com/>.

