



The open platform company

Milestone Systems

Milestone Husky™ 2017 R1

M20 Hardware and Service Guide

Contents

About this guide	4
XProtect Management Application Husky items	5
Network switch (explained)	5
Network switch properties	6
Husky IO Module (explained)	8
Husky IO Module setup	8
Milestone Husky Assistant	9
Milestone Husky Assistant properties	9
Choose your language	10
Replace a disk	10
Create a Husky Support .zip file	10
Reconfigure	11
Upgrade	12

Copyright, trademarks and disclaimer

Copyright © 2017 Milestone Systems A/S

Trademarks

XProtect is a registered trademark of Milestone Systems A/S.

Microsoft and Windows are registered trademarks of Microsoft Corporation. App Store is a service mark of Apple Inc. Android is a trademark of Google Inc.

All other trademarks mentioned in this document are trademarks of their respective owners.

Disclaimer

This text is intended for general information purposes only, and due care has been taken in its preparation.

Any risk arising from the use of this information rests with the recipient, and nothing herein should be construed as constituting any kind of warranty.

Milestone Systems A/S reserve the right to make adjustments without prior notification.

All names of people and organizations used in the examples in this text are fictitious. Any resemblance to any actual organization or person, living or dead, is purely coincidental and unintended.

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.

About this guide

This hardware and service guide for Milestone Husky™ serves as a point of reference to the Milestone Husky software and Milestone Husky hardware. This guide describes the Milestone Husky specific items in the XProtect Management Application and the Milestone Husky Assistant, that helps you maintain and reconfigure your system.

XProtect Management Application Husky items

Network switch (explained)

The network switch with PoE+ camera ports are optional.

The network switch is available as an eight or sixteen ports option.

When you have connected your cameras and other devices to the built-in Power over Ethernet (PoE+) capable network switch, you can use the **Network Switch** node in the Management Application navigation pane to get an overview of connected cameras and devices. You can monitor the current status of the ports and connected devices. It can help you find an IP address or troubleshoot a camera or another device. You can also monitor the PoE power consumption.

The **Network Switch** functionality gives you access to:

- Switch status:
 - PoE summary information
 - A list overview of all the available ports
 - A list overview of all the connected devices
 - Port-specific information about the power consumption
- Switch management:
 - Enable or disable a port
 - Enable or disable PoE for a port
 - Lock a port to a MAC address
 - Restart of a device

Network switch properties

The **Network switch status** in the top of the screen gives you an overview of the following information for the switch:

Status element	Description
Current power usage	A sum of all the power in Watt used by the connected devices.
Max power used	A maximum of all the power in Watt used by the connected devices. The value is updated after any change to the ports.
Total power available	The total amount of power in Watt the switch can deliver.

The **Port status** list in the middle of the screen gives you an overview of the following information for all ports:

Status element	Description
Port number	The unique port ID.
Device and IP address	The name and IP address of the device connected to the port. Before a device is added to the system the status is Unknown . If a device is moved from PoE camera port 1-8 to PoE camera port 9-16 or the opposite, the device gets a new IP address and the device status changes to Unknown . As a result, you must add the device to the system again. (PoE camera ports are optional)
Current power usage	Current power consumption in Watt.
Max power used	Maximum value of the power consumption in Watt. The value is reset after a device is restarted or disconnected for one minute.
MAC address	Shows the physical address (MAC address) of the device connected to the port.

Milestone Husky - M20 Hardware and Service Guide

To learn more about a specific port and the connected device, select the relevant row and review the **Port details** at the bottom of the screen. The following information appears:

Status element	Description
Port number	Shows the port number of the selected row in the Port status list above.
State	Shows the current port state. Statuses may be: <ul style="list-style-type: none">• Connected with power• Connected• Disconnected
PoE+	Shows if the connected device uses the PoE+ standard.
Enabled	Port setting: Enable or disable the port.
PoE enabled	Port setting: Enable or disable PoE.
MAC address	Shows the physical address (MAC address) of the device connected to the port.
Lock port to MAC address	Port setting: Locks the port to the connected device. Other devices will not be able to use this port.
Restart device	Sometimes you need to restart a camera to apply the settings you have changed in the camera software. If your camera is powered by the network switch, you can disable and enable PoE to restart your device. The Restart device button helps you do that. There is a wait state of ten seconds from power off to power on.

Husky IO Module (explained)

The Husky IO Module is a part of your Milestone Husky product. It is a built-in IO module with four inputs and four outputs and is listed in the Management Application navigation pane under **Hardware Devices** as a camera. You can configure the module for use with event notifications.

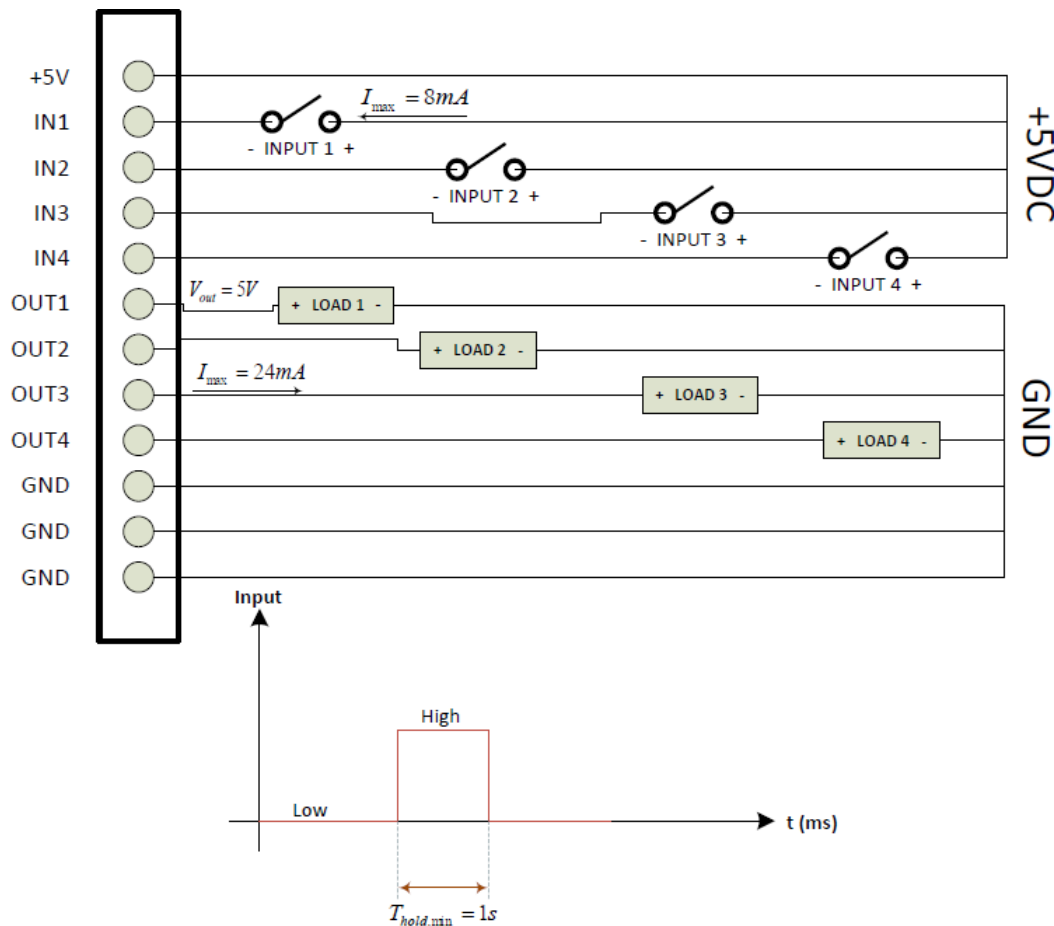
Husky IO Module setup

The module is installed and added as a hardware device with the following details:

Hardware Device Name	Husky IO Module
Address	127.0.0.1
Port	1337
Device Driver	M20

If you have deleted the Husky IO Module in the Management Application and want to add it again, you must use the details in the table above. You can also use the **Reconfigure (on page 11)** option in the Milestone Husky Assistant.

Connection diagram



Milestone Husky Assistant

You can use the Milestone Husky Assistant application for status, configuration and maintenance of your Milestone Husky system. The Milestone Husky Assistant can be found alongside the Management Application and the Smart Client on the Windows desktop.

Milestone Husky Assistant properties

The Milestone Husky Assistant has these features available:

Navigation element	Description
Overview	You can change the language in which Milestone Husky Assistant appears.
Storage Management	A list of disks available for video storage. You can see the storage status and if the disk is configured for use with Milestone XProtect. When you replace a disk you can format it and prepare it for use with Milestone XProtect .
Installed Components	A list of installed Milestone software components and versions.
Support	Lists the system information you need if you contact Milestone Support.
Reconfigure	This will help you reconfigure the network, time synchronization and storage. Additional device drivers will also be installed.
SLC	License information. The products' software license code (SLC).
Firmware	Milestone Husky firmware version.
Serial number	The products' hardware serial number.
MAC	The products' network switch physical address (MAC address).

Choose your language

Select your preferred language:

1. Select the **Overview** tab.
2. Select your preferred language from the list of available languages.

Some of the languages require a restart of the assistant. Milestone Husky Assistant uses the Windows regional settings, so if your settings are English, the Milestone Husky Assistant chooses English by default.

Replace a disk

Replace a disk for use in Milestone XProtect:

3. Select the **Storage Management** tab.
4. Select **left** or **right** from the list of disks available for video storage.
5. Click **Next** to format the disk and prepare it for use with Milestone XProtect.

The system only supports WD Purple Surveillance Hard Drive.

Create a Husky Support .zip file

If you contact Milestone Support, create a Husky Support .zip file that lists the system information you need:

1. Select the **Support** tab.
2. Click **Collect** to start the creation of a Husky Support .zip file. When created, save it at your preferred location.
3. Provide Milestone Support with the Husky Support .zip file, when they assist you in troubleshooting a problem.

Reconfigure

This will help you reconfigure the network, time synchronization and storage. Additional Husky device drivers will also be installed.

1. Click **Reconfigure** and click **Next**.
2. Define the network switch IP address range for devices connected to the switch. Every device that you connect to the switch gets an IP address in the defined range. There are two predefined ranges:

- **192.168.0.1 - 192.168.0.254**
- **10.0.0.1 - 10.0.0.254**

You can also specify the starting point of a range. The Husky Assistant automatically defines the end point of the range.

To define your own range:

Select **Other**:

If your device uses a static IP address, make sure to give it an IP address in the defined range.

Note that if your system uses a network switch with 16 PoE ports, the above IP address range splits into two subnets. One for each 8 port module. Make sure to assign the camera to the correct subnet.

3. When you have selected an IP range click **Next**.

A summary appears.

4. Click **Setup** to start your reconfiguration.

If the Husky IO Module has been deleted, the Milestone Husky Assistant will add it again.

5. Setup complete. Click **Finish** to close the Milestone Husky Assistant.

Upgrade

You can upgrade your entire system configuration from one product version to another, for example from XProtect Professional 2016 R2 to XProtect Professional 2017 R1 fairly fast and easily. Install the new product on top of the old version without any need to remove the previous version.

When you install the new version of your system, it inherits the configuration from the previously installed version/product. Milestone recommends that you make regular backups of your server configuration as a disaster recovery measure. You should also do this when you upgrade your server. While it is rare that you lose your configuration (cameras, schedules, views and more), it can happen under unfortunate circumstances. Fortunately, it takes only a minute to back up your configuration.

Note that you do not need to manually remove the old version of your system before you install the new version. The old version is removed when you install the new version.

About Milestone Systems

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 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 is a stand-alone company in the Canon Group. For more information, visit: <http://www.milestonesys.com>.

