



# MILESTONE HUSKY™ X2

## Plug-n-play network video recorder built for Milestone XProtect® VMS

The Milestone Husky X2 is a 2U rack mountable plug-n-play network video recorder with a built-in PoE+ switch and input/output connector. With a verified continuous recording throughput of more than 550 Mbit/s, it provides the power and scalability required in most small to mid-market surveillance installations. The Milestone Husky X2 comes with pre-installed XProtect VMS, allowing everyone to start right with the free XProtect Essential+ or any other XProtect VMS version.

### All you need to start right

Milestone Husky X2 is delivered with pre-installed XProtect VMS, which reduces the deployment costs and makes it easy to get started with the unit.

Connect up to eight cameras and get access to all essential VMS functionality for free, by using XProtect Essential+.

Unlock any of the paid XProtect VMS variants that suit your needs with a simple license change.

### Plug-n-play

The built-in managed 16 port PoE+ switch ensures the easy connection of cameras and other security devices, eliminating the need for additional equipment. The PoE provides PoE+ on all ports with 250W of total power. The switch provides important security functions such as port MAC address locking.

Integrated I/O connectors makes it easy to connect detectors and alarm triggers to the unit and to control external devices.

### Low total cost of ownership

Efficient Intel® i3 Skylake CPU and onboard GPU make the most of the XProtect VMS, while minimizing power consumption and heat emission.

A single Milestone Husky X2 offers a proven capacity of more than 130 cameras per unit and delivers more than 550 Mbit/s continuous recording throughput.

Includes two disk bays supporting up to 20 TB total storage.

## Ordering information

BAREBONE UNITS		STORAGE AND TRAYS*	
<b>HX2</b>	Husky X2 barebone	<b>HX2S2TB-2</b>	2TB HDD w/tray for X2 (2-pack)
<b>HX2P16</b>	Husky X2 barebone w/16 PoE switch	<b>HX2S6TB-2</b>	6TB HDD w/tray for X2 (2-pack)
		<b>HX2S8TB-2</b>	8TB HDD w/tray for X2 (2-pack)
		<b>HX2S10TB-2</b>	10TB HDD w/tray for X2 (2-pack)
		<b>HX2ST-2</b>	HDD tray for X2 (2-pack)

\* Milestone Husky X2 NVR may be used with storage drives sourced from other parties than Milestone, provided that the type of storage drives used have been validated and approved by Milestone. Please refer to [www.milestonesys.com/husky-support](http://www.milestonesys.com/husky-support) for a complete list of approved storage drives.



## General Specification

**Max. number of cameras**  
133 cameras\* continuous recording

**Form factor**  
Standalone/ 2U rack-mount

**Dimensions (WxDxH)**  
43 x 33 x 8.8 cm  
16.9 x 13 x 3.5 inch

**Shipping weight**  
Approx. 13.5 kg / 30 lbs

**Hardware warranty**  
3 years

## Compute System

**CPU**  
Intel® Core™ i3-6100 3.7 GHz

**CPU passmark**  
5475

**GPU**  
Intel® HD Graphics 530

**GPU video decoding**  
Yes, Smart Client and server side VMD

**RAM**  
16 GB

**Credential and key encryption**  
No

**Operating system (OS)**  
Windows 10 IoT Enterprise CBB

## Storage System

**Max. recording rate**  
556 Mbit/s

**Internal video storage (raw)**  
4/12/16/20 TB

**Number of hot-swap HDD drives**  
2 bays, SATA  
(Both disk bays shall be used)

**RAID support**  
No

**Archiving to external NAS/SAN**  
Yes

**VMS/OS storage**  
256 GB mSATA SSD

**Software recovery image**  
Yes

## Network System and Connections

**Network interface**  
2 x 1 GbE RJ45  
16 x 1 GbE PoE+ RJ45 (HX2P16 only)

**Built-in I/O connector**  
4 x in + 4 x out

**Remote management**  
No

**Display connections**  
1 DVI + 1 HDMI

**Maximum resolution**  
1920 x 1200 on both DVI and HDMI

**USB**  
4 x USB 3.0

## Power System

**Power input**  
100~240V, 50/60 Hz

**Max. power consumption**  
250W Non-PoE / 500W PoE+

**Redundant power supply**  
No

**Protection**  
OVP (over voltage), OCP (over current), OTP (over temp), SCP (short circuit)

## Environmental

**Operating temperature**  
0° - 40° C / 32° - 104° F

**Storage temperature**  
-20° - 70° C / -4° - 158° F

**Humidity**  
10 - 90% relative humidity (non-condensing)

## Regulatory

**Regulatory compliance**  
CE (class A), WEEE1, FCC (class A)1, RCM, UL, VCCI (class A)2,3, Mexico (CoC)

### XProtect VMS software

Milestone Husky X series NVRs are preloaded with Milestone XProtect Advanced VMS, which means that they can be used with the following XProtect VMS variants: Professional+, Expert and Corporate, where required licenses are obtained separately. The units can also be used with XProtect Express+ with up to 8 cameras for free.

\*) No hard system limit, maximum number of cameras only limited by available system resources and recording speed. Stated number validated with, 720P @25 FPS, 2 Mbit/s with VMD

1 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.

2 This is a Class A product based on the standard of the Voluntary Control Council for Interference (VCCI). If this equipment is used in a domestic environment, radio interference may occur, in which case the user may be required to take corrective actions.

3 VCCI (class A) - この装置は、クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。