

Specification Sheet

# Husky IVO 150D Viewing Station

## Feature Overview

The Husky IVO 150D Viewing Station is a swift solution for seamless access to live and recorded video footage via the XProtect Smart Client. Designed with speed, simplicity, and comfort in mind, the viewing station redefines convenience. With reliable performance, the viewing stations ensure uninterrupted viewing, while local storage offers ample space to archive crucial footage as needed.

### Key Features

- Small form factor – ideal for locations with limited space.
- Tested performance in the viewing station usage scenarios. Refer to the section [Recommended Usage](#). More details also available in the Husky IVO Viewing Stations Whitepaper.
- NVIDIA A400 Graphics Card

### Easy setup and access

- Reduce the time spent on finding the right installers, downloading drivers and even choosing your XProtect VMS version. The Husky IVO 150D has all this covered for you.
- Seamless setup with the Husky Assistant in a few simple steps
- XProtect software installation binaries pre-loaded, with option of automatically fetching the latest XProtect version online if connected to the Internet
- Windows and XProtect VMS optimizations according to your needs
- Choose any version of XProtect for your setup.

### Next level peace of mind

- Your video installation should not only be easy to set up, but also easy to manage and support – without extra costs or complexity. With Husky IVO 150D, you get our standard five-year warranty, with single-point support through Milestone and all the benefits of using XProtect as your VMS.
- Extensive camera compatibility – Compatibility of 14,000+ devices with your XProtect VMS

- Single point of contact for the support of both the VMS and the appliance
- Possibility for onsite support interventions for hardware repairs and replacement.

### Recommended Usage

- The overall recommendation is to use one monitor up to 4x4 streams with some exceptions. Refer to the section [Recommended Usage](#) later in the document.
- More details and information available in the Husky IVO Viewing Stations Whitepaper

### Note

- Husky IVO 150D Viewing Station is in fact the same hardware as Husky IVO 150D with the exception that it has a NVIDIA A400 Graphics Card. Also, it has undergone performance testing and dimensioning test targeted at Viewing Station usage scenario.

## Hardware Information

- **Form factor**
  - Desktop small form factor
- **CPU**
  - Intel® Pentium® Gold G7400 3.7GHz 6M Cache (2 Performance Cores, 4 Threads) 46 W
- **GPU**
  - NVIDIA A400
- **RAM**
  - 16 GB DDR4 (2 x 8 GB)
- **Operating system (OS)**
  - Windows 10 IoT Enterprise 2021 LTSC Value
- **VMS/OS storage**
  - 256 GB (SSD M.2 PCIe NVMe)
- **Number of hard drives**
  - 1 x 3.5" (internal)
- **Raw storage (gross)**
  - 4/8/12/16 TB  
(Dell Enterprise Grade 24/7 Drives)
- **RAID controller & support**
  - No
- **Display ports & VGA**
  - 3 x DisplayPort™ 1.4a, 1 x VGA (For installation use, not for live viewing purposes)
  - 4 x Mini DisplayPort™ 1.4 with latching mechanism on NVIDIA A400 Graphics Card.  
(Connect the viewing station monitors directly to NVIDIA T400 Outputs and not to the ports on the chassis)
- **Network interface**
  - 1 x 1 GbE (RJ45) + 1 x 2.5 GbE (RJ45)
- **Available PCIe slots and card fit**
  - 1 x PCIe x16 Gen 4, half-height (Occupied by NVIDIA T400 Card)
  - 1 x PCIe x4 Gen 3, half-height (Occupied by 2.5GbE Ethernet Card)
- **Archiving to external NAS**
  - Yes, through LAN
- **Credential and key encryption**
  - Trusted Platform Module (TPM 2.0)
- **Redundant power supply**
  - No

- **Remote management**
  - No
- **USB**
  - 1 x USB 2.0 port with PowerShare (front)
  - 1 x USB 2.0 port (front)
  - 1 x USB 3.2 Gen 2 port (front)
  - 1 x USB 3.2 Gen 2x2 Type-C port (front)
  - 3 x USB 3.2 Gen 1 ports (rear)
  - 3 x USB 3.2 Gen 2 port (rear)
  - 3 x USB 2.0 ports with Smart Power On (rear)

### General Information

- **Hardware warranty**
  - 5 years full system warranty (incl. HDD) Onsite support next business day<sup>1</sup>
- **Dimensions**
  - 290 x 92.6 x 292.8 (mm) 11.42" x 3.65" x 11.53"
- **Weight**
  - 4.20 kg (min) 9.27 lb (min)
- **Power input**
  - 90 VAC - 264 VAC (47 Hz - 63 Hz)
- **Max. power consumption**
  - Single, 300W up to 92% efficiency (80 Plus Platinum)
- **BTU rating**
  - 1024 BTU/h (max. theoretical)
- **Protection**
  - OVP (over voltage), OCP (over current), OTP (over temp), SCP (short circuit)

### Environmental

This unit is intended for stationary server room and office use, according to the conditions stated below.

- **Operating temperature**
  - 5° – 45° C / 41° – 113° F
- **Storage temperature**
  - -40° – 70° C / -40° – 158° F
- **Humidity**
  - 20 – 80% relative humidity (non-condensing)

### Regulatory

- **Regulatory Model and Type**
  - Model D17S, Type D17S00

# Recommended Usage

The performance results show that the Husky IVO™ 150D Viewing Station can easily be used in an installation with one monitor and can view up to four 1080p camera streams.

Recommendation	
The overall recommendation is to use one monitor up to 4x4 streams with some exceptions.	

The chart below shows situations where the test results were positive (Green). The yellow test results show situations where some users may experience frames dropping below the number of acceptable frames or the monitor displaying minor video stuttering.

### Husky IVO 150D with Nvidia A400

4K monitor/cameras		1x1	2x2	3x3	4x4	5x5	
1 monitor	H264	1080P 1 Mbit/s	Green	Green	Green	Green	
		1080P 4 Mbit/s	Green	Green	Green	Green	
		1080P 8 Mbit/s	Green	Green	Green	Green	
		4K 10 Mbit/s	Green	Green	Green		
	4K 20 Mbit/s	Green	Green				
	H265	1080P 1 Mbit/s	Green	Green	Green	Green	Yellow
		1080P 3 Mbit/s	Green	Green	Green	Green	
4K 15 Mbit/s		Green	Green	Yellow			
2 monitors	H264	1080P 1 Mbit/s	Green	Green			
		1080P 4 Mbit/s	Green	Yellow			
		1080P 8 Mbit/s	Green	Yellow			
		4K 10 Mbit/s	Green				
	4K 20 Mbit/s	Yellow					
	H265	1080P 1 Mbit/s	Green	Green			
		1080P 3 Mbit/s	Green	Green			
		4K 15 Mbit/s	Green				

In order to obtain further details, please refer to the Whitepaper we have published on viewing station usage scenarios.

## Miscellaneous

### XProtect VMS software

Milestone Husky appliances are preloaded with Milestone XProtect VMS installation binaries, which means that they can be used with any XProtect VMS variants. The required VMS licenses are purchased separately. The units can also be used with XProtect Essential+ with up to 8 cameras for free. Husky IVO 150D Rev. 2a is compatible with XProtect 2022 R3 releases and newer.

<sup>1</sup> Onsite intervention dispatched following Milestone's support processes – hardware Service Tag information accuracy required. Subject to regional availability, dependent on Dell Technologies support network. Dell Technologies onsite support service will be given on a best effort basis conditioned upon the location of the Husky IVO unit. Onsite support services like NBD or 4HR are being counted from the moment Dell Technologies' troubleshooting is finalized and conditioned upon the hour and the day of the week the troubleshooting finishes.

Milestone reserves the right to correct errors and typos in these data sheets.

Previous revisions may still be delivered during transition phases to refreshed revisions.



### About Milestone Systems

Milestone Systems is a world leader in data-driven video technology used in industries as diverse as manufacturing, airports, law enforcement, retail, and traffic management. We provide a clear picture of how to create a safer, better and more prosperous world. Our XProtect video management software, BriefCam AI-powered analytics, and Arcules cloud VSaaS help our customers learn from the past, understand the present, and predict the future. Founded in 1998 and headquartered in Copenhagen, Milestone employs more than 1,500 people worldwide and has been an independent company in the Canon Group since 2014. For more information visit: [www.milestonesys.com](http://www.milestonesys.com)

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