

# DrillVision X-Purge Master Station

X-Purge Video System or Industrial PC

Class 1, Div 1, or Zone 1



**Driller's  
Choice!**

## Hardened Drilling Rig Monitoring System for Class 1 Div 1 Environments

DrillVision's Hazardous Environment Purged Server/ Monitor System is a tough, high temperature system for Video Monitoring or other industrial computing applications. Our Class 1, Div 1 or Zone 1 system is a completely enclosed, stainless steel, X-purged system with a 15" daylight readable display as well as a front mounted pointer. It contains a processor in a purged stainless steel enclosure and available with optional high Temp Server or vortex cooling and keyboard. System is designed using components approved for these environments. Customer should verify that system meets their requirements before purchasing. Component certifications available upon request.

**DrillVision™**

**Onshore, Offshore, Facilities, Pipelines**

*A Southern Electronics Company*

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New Orleans, LA 70119  
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[www.drillvisionsystems.com](http://www.drillvisionsystems.com)

# Specifications

## Enclosure

Physical Size: 24.00" x 24.00" x 12.00 "  
Material: 304 Stainless (316 is available as an option)  
Locking: 5 SS Clamps

## Front Panel

Large window for viewing internally mounted daylight readable 15" screen  
Ports: 1 x USB, 1 x Ethernet (NOT FOR USE DURING OPERATION IN C1D1 ENVIRONMENT)  
Power: Power On/Off Switch  
Pointing Device: Intrinsically Safe flush mount FM approved for Class 1, Div 1 Environments  
Purging Indicator: Yellow when purging  
Pressurized Indicator: Green when Pressurized, Red when not (in Alarm status)

## Type X Purge Sub System

Purge system provides a full purge and pressurization system for applications requiring Class 1 Division 1 Groups A\_D and/or Zone 1(21) IIC approval. Certified in accordance with international codes and standards.

The system has three components: Control Unit, Relief Valve, & Spark Arrestor.

Purge Rate: Selectable 10-225 N/min, 0.4-8 scfm  
Certification: IECEx SIR 07.0027X Zone 1 (21) Ex [pxb]  
Europe, ATEX Category 2 GD  
Cert no. SIRA 01ATEX 1295X  
USA/ Canada NFPA496 C1 Div 1  
UL E190061, FM 1X8A4.AE

Pressurization Method: Continuous (Owner supplied purging source)  
Housing: Stainless Steel  
Purge Supply Pressure: 4-8 bar (60-120 psi)  
Low Pressure Sensor: 250 Pa., 2.5 mbar  
Operating Temperature: -4° F - 131° F

More detailed purging specifications are available if needed.

## DrillVision's DrillView VMS

DrillVision's DrillView VMS is field proven with hundreds of installations around the world. Typical Driller's configuration is 4-6 cameras where live and recorded video can be viewed and controlled on local DrillVision touchscreen monitors or remotely on our remote viewing software. The software can record video and audio data over a TCP/IP network. In addition, the software has many other functions such as capacity of up to 32 channels of video, video analytics (such as people counting, face detection, missing object detection, and object tracking), and integration with Access Control.



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# Specifications continued

## Server Options

### **Industrial Intel 6th Generation Fanless Computer w/optional i7**

Processor: Intel Core i7-6700TE (Skylake) 2.4 GHz Processor  
Memory (RAM) : 8 GB SO-DIMM DDR4 2133  
Memory Capacity: 32 GB  
Memory Speed: 2133 MHz  
Graphics: Intel HD Graphics  
Primary Storage: TB mSATA SSD  
AC Adapter: Level VI Power Adapter DC 12 V, 8.33 A, 100 W  
Hardware Setting: Auto Power On  
Operating System: Windows 10 Pro - 64-bit  
Operating Temperature: 32°-122° F  
Alternate Wide Temperature Model Available: -40°-158° F

### **Industrial Harsh Environment Fanless Wide Temperature NVR (Optional)**

Processor: i5-4400E Intel Core Processor (Haswell)  
Memory (RAM) : 8 GB SO-DIMM DDR4 2133  
Memory Capacity: 32 GB  
Memory Speed: 2133 MHz  
Graphics: Intel HD4600 with Quick Sync Video  
Primary Storage: 960GB MLC SSD 2.5" SATA 3 Gb/s  
Raid: 0/1/JBOD  
POE: IEEE 802.3af, IEEE 802.3at (30 W per port)  
AC Adapter: Level VI Power Adapter DC 48-51 VDC, 6.8 A  
Hardware Setting: Auto Power On  
Operating System: Windows 10 Pro - 64-bit  
Operating Temperature: -40°-140° F

### **Multiple Mounting, Power, & Interface Options Available.**

Please discuss specific needs with your DrillVision Sales Representative.

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