

DrillVision™ Micro

Micro HD Video Engine



Hardened, compact industrial computer with DrillWatch Software

The MICRO HD Video Engine is a hardened, compact industrial computer integrated with the DrillVision Video System software. All electronics are protected in a ruggedized, aluminum sealed housing that can be conveniently mounted for many different applications. The Micro HD has the ability to connect over many different networks and protocols back to the Video Control Center software in your control room or operations center.

The MICRO HD unit continuously records high quality video from up to 2 camera connections. The Micro HD generates and transmits live video as well as video event clips from remote sites back to a central location. The video clips can be triggered from multiple physical event triggers, such as door switches, motion detectors, PLC outputs, SCADA based alarms, or manually initiated from the SCADA system. Additionally, the Micro HD can perform video image analysis which transforms any camera connected to the system into a motion detection device.

The MICRO HD includes support of access control peripherals such as HID card readers and keypads for central management of employee access permissions and remote monitoring and control of entry points.

The MICRO HD has the ability to communicate over process control networks by emulating a Programmable Logic Controller (PLC) or Remote Terminal Unit (RTU) and appears to the SCADA system as another PLC or RTU on the network. The Micro HD can also communicate over any TCP/IP (Ethernet, LAN or WAN) network or on a dedicated serial communications network. The MICRO-HD is designed to leverage existing communication networks, operating effectively over high speed wired and wireless networks. The system includes built-in bandwidth management features to limit network traffic.

DrillVision™

Onshore, Offshore, Facilities, Pipelines

A Southern Electronics Company

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Specifications

Maximum # cameras	2
CPU	Intel Celeron N2930
RAM	4 GB DDR3L, 1333 MHz
NIC	2x 10/100/1000 Ethernet Ports
Hard Drives	64GB SATA (Operating System) 500GB SATA (Video Storage)
Serial Interfaces	2x Serial COM Ports
USB Interface	4x USB 2.0 Ports; 1x USB 3.0 Port
Watchdog Timer	256 Levels Timer Interval
Operating System	Windows 10 IOT 64 bit
Input Voltage	9 -30 VDC
Power Consumption	17.5 W
Dimensions	10.55" x 2.58" x 7.68"
Weight	5.95 lbs
Operating Temperature	0° C to +55° C

Images



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