

## **MICRO HD**

### **Longwatch Micro Video Engine**

The Micro HD Video Engine is a hardened, compact industrial computer integrated with the Longwatch 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.

Furthermore, integrated Access Control peripherals such as HID card readers and keypads enable central management of employee access permissions and can remotely monitor and unlock 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 on 2400 baud networks as well as high speed fiber networks.

Micro HD units can be deployed in mixed environments allowing for seamless migration to higher speed networks as they become available.

### **Specifications**

<b>CPU</b>	Intel Atom N450 1.66 GHz	<b>Power Input Voltage</b>	12 V
<b>Memory</b>	2 GB DDR2 667 MHz	<b>Minimum Power Input</b>	12 V, 1.12 A
<b>Hard Drive</b>	500 GB SSD	<b>Power Consumption</b>	15 W
<b>Network Interfaces</b>	2 x 10/100/1000 Mbps Network Interface Ports	<b>Dimensions</b>	10.41" x 2.72" x 5.40"
<b>Serial Interfaces</b>	3 x RS-232 ports, Compliant with USB 2.0	<b>Weight</b>	4.4 lbs
<b>USB Interface</b>	6 x USB ports, Compliant with USB 2.0	<b>Operating Temp.</b>	-20°C - 60°C
<b>Watchdog timer</b>	255 levels timer interval		