Longwatch™ Micro Video Engine
MICRO HD

- Small, rugged, industrial design

- Controls two cameras simultaneously

- Integrated Access Control for card readers and keypads

- 500 GB hard drive storage

Hardened, compact industrial computer with Longwatch software

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.

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 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.

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▶ specifications

Maximum # cameras	2
CPU	Intel Atom N450 1.66 GHz
RAM	2 GB DDR2 667 MHz
NIC	2x 10/100/1000 Ethernet Ports
Hard Drive	500 GB DDR2 SSD
Serial Interfaces	3x RS-232 Ports
USB Interface	6x USB Ports Compliant With USB2.0
Watchdog Timer	255 Levels Timer Interval
Operating System	Windows Embedded Standard 7
Input Voltage	12 VDC @ 1.12A
Power Consumption	15 W
Dimensions	10.41" x 2.72" x 5.40"
Weight	4.4 lbs
Operating Temperature	0° C to +45° C

▶ images

▶ ordering information

MICRO HD

▶ IVC Longwatch software

Point & click camera management & control
Complete video software package for surveillance, batch monitoring and regulatory compliance. Integrates seamlessly into your SCADA/HMI.

▶ accessories

SP1	All weather enclosure
EIO	Input/Output device
CS-3301-03	Analog Camera Server

ISO 9001 Certified

MADE IN THE USA

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