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 for video 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 over high speed wired and wireless networks. The system includes built-in bandwidth management features to limit network traffic.

IVC
INDUSTRIAL
VIDEO & CONTROL

▶ specifications

Maximum # cameras	**2**
CPU	Intel Celeron N2930
RAM	8 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
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

▶ 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