Longwatch™ Video Engine
MICRO LPX

- -40°C to +70°C temperature range

- 7w power consumption

- Dual camera control

- Solid state hard drive

- DIN-rail mountable

- Direct PLC communication

Low power video engine ideal for extreme temperatures

The MICRO LPX Video Engine is a low power, extreme temperature compact industrial computer integrated with the Longwatch Video System software. All electronics are contained within a compact housing unit that can be DIN rail mounted. The MICRO LPX has the ability to communicate over many different networks and protocols back to the Video Control Center software in your control room or operations center.

The MICRO LPX unit continuously records high quality video from up to 2 cameras. The MICRO LPX 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 event types, such as door switches, motion detectors, MODBUS TCP, PLC outputs, SCADA based alarms, or manually initiated from the SCADA system. Additionally, the MICRO LPX can perform video image analysis which transforms any camera connected to the system into a motion detection device.

The MICRO LPX includes support for 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 LPX 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 LPX can also communicate over any TCP/IP (Ethernet, LAN or WAN) network or on a dedicated serial communications network. The MICRO LPX is designed to leverage existing communication networks, operating effectively on 9600 baud serial radio networks as well as high speed fiber networks.

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

IV&C
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specifications

CPU	Intel Atom Z510PT 1.1 GHz
RAM	1 GB DDR2 400 MHz
NIC	2x 10/100/1000 Ethernet Ports
Hard Drive	4 GB CF Drive (Operating System) 32 GB SD Card (Video Storage)
Serial Interfaces	DB-9 Male Jumper Selectable For RS-232/422/485
USB Interface	6x USB Ports Compliant With USB2.0
Watchdog Timer	255 Levels Timer Interval
On-board Digital I/O	3 Digital Inputs 3 Digital Outputs
Input Voltage	9-36 VDC
Power Consumption	7 W
Dimensions	6" x 4.9" x 1.9"
Mounting	NS 35 DIN rail
Weight	3.1 lbs
Operating Temperature	-40° C to +70° C

images

ordering information

MICRO LPX

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

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