Longwatch™ Remote Video Engine

RVE

- Small, rugged, industrial design
- Controls up to 12 cameras simultaneously
- Integrated access control for card readers and keypads
- Direct PLC communication

Hardened, compact industrial computer with Longwatch software

The Remote 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 RVE 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 RVE unit continuously records high quality video from up to 12 camera connections. The RVE 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 RVE can perform video image analysis which transforms any camera connected to the system into a motion detection device.

The RVE 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 RVE 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 RVE can also communicate over any TCP/IP (Ethernet, LAN or WAN) network or on a dedicated serial communications network. The RVE is designed to leverage existing communication networks, operating effectively on 2400 baud networks as well as high speed fiber networks.

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

specifications

	RVE	RVE-12
Maximum # cameras	**6**	**12**
CPU	Intel Atom N450 1.66 GHz	Intel Core i7 1.7GHz dual core CPU
RAM	2 GB DDR2 667 MHz	8GB DDR3L 1600MHz Memory
NIC	2x 10/100/1000 Ethernet Ports	4x 10/100/1000 Ethernet Ports
Hard Drive	500 GB DDR2 SSD	2TB 2.5" Hard Drive
Serial Interfaces	3x RS-232 Ports	2x RS232; 2x RS232/422/485 ports
USB Interface	6x USB Ports Compliant With USB2.0	2x USB 2.0 & 2x USB 3.0 ports
Watchdog Timer	255 Levels Timer Interval	255 Levels Timer Interval
Operating System	Windows Embedded Standard 7	Windows Embedded Standard 7
Input Voltage	12 VDC	24 VDC
Power Consumption	15 W	28 W typ., 40 W max.
Dimensions	10.41" x 2.72" x 5.40"	9.9" x 2.4" x 5.9"
Weight	4.4 lbs	3.5 lbs.
Operating Temperature	0° C to +45° C	- 20°C to 60°C

images

RVE

RVE-12

ordering information

RVE-C

C	Maximum # cameras supported
6	6 cameras
12	12 cameras

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

330 Nevada St., Newton, MA 02460 www.ivcco.com 617-467-3059

IVC INDUSTRIAL VIDEO & CONTROL