



Evolution HD 2809

Evolution HD 2809 with up to 28 simultaneous video ports

Overview

The Evolution HD 2809 is a flexible and modular Digital Video Equipment for security applications over Ethernet networks and especially designed for high performance distributed video switching. Its scalability allows for world class high end video security solutions and fulfills any requirement for security applications.

Ultra High Density

Evolution HD 2809 equipments are accommodating 7 slots for video & audio codec boards whereby each board contains 4 totally independent video channels. Therefore, with up to 28 video ports in a 4U-19" enclosure, the Evolution HD proposes the highest video port density available on the market.

Industrial design

The Evolution HD 2809 chassis is made of aluminum and galvanized sheet steel and especially designed for professional and industrial environments. This fault tolerant, 4U-19" rack-mounted video encoder/decoder provides redundant power supplies, Gigabit Ethernet ports and system hard disks for quality video and audio transmission and switching.



Standard Features

- Industrial 4U-19" rack-mounted enclosure
- Up to 7 slots for video boards (4 totally independent video codec's) or optional modules
- Integrated serial ports for PTZ camera remote control
- Redundant and hot-swappable power supplies
- Support for Ethernet/IP CoS
- Autonomous monitoring module with Ethernet & COM ports for remote alarm notification through SNMP/HTTP, e-mail or pager
- Remote web-based administration tools
- Integrated security through login and password
- Dual Gigabit Ethernet controller chips
- 2 ATA interfaces for embedded storage hard disks
- SCSI interface for connection to RAID storage equipments
- Mouse, keyboard, VGA and USB ports
- Optional serial and isolated I/O modules
- Optional CompactPCI Rear I/O Audio Codec Board (high quality synchronized MP3 audio channels)

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Specifications

Physical	CompactPCI form factor with aluminum frame and galvanized sheet steel
Dimensions	444 (W) x 175 (H) x 305 (D) mm (4U-19"); Weight: 12kg
Power supply	2 redundant, hot-swappable power supply units (2 x 300W) with automatic selection of power line input range (110V - 230V)
Cooling device	Hot-swappable tray with 3 fans providing forced cooling air in the system
Temperature	Operating: 0°C to 45°C, max. 90% RH; Storage: -20°C to 60°C
Conformity	EMC 89/336/EEC (EN 55022 Class B, EN 55024); Low voltage EMC 72/23/EEC (EN 60950); FCC: CFR 47, Part 15, Sub part B, Class 1 digital devices; RUL, CUL (Power supply)
System	Intel® Pentium M 1.6 GHz processor Microsoft® Windows XP Embedded 2 RS232 serial ports for PTZ camera remote control functions USB port with fuse protection VGA output for display Mouse and keyboard connectors PCI to PCI bridge (up to 7 PCI bus master peripherals) Rear I/O module for SCSI and RS-232 IDE Connector P1800 PMC slot for optional modules (hard disk)
Networking	Dual Gigabit Ethernet Intel® 82546GB Controller Chips, 10/100/1000 Base-TX with RJ-45 connectors
System monitoring	Autonomous system monitoring module (power, fan speed, temperature, voltage) with independent Ethernet & COM ports Remote alarm notification through SNMP/HTTP, e-mail or pager Alarm module: audible (Buzzer) and visual (LED) notification for system status classified as minor, major or critical Optional CPU monitoring (fan, temperature, watchdog timer, voltage, etc.)
System administration	Web-based remote administration software, password protected Running on the VisioWave Video Operating System (VOS)
CPCI-4 II Video/Audio Codec Board	4 independent video and audio channels Full-motion CCIR-601 video coding PAL (720x576 @50fps); NTSC (720x486 @60fps) Multi-area On Screen Display facility (text and logo up to 16M colors) 3 BNC composite video @75 Ohm 4 high quality synchronized MP3 audio ports (32 to 320 Kbits/s) Volume, bass, treble control and tuning Male Sub D15 connector
Optional	2 slots for embedded storage hard disks

Ordering Information

Part No.	Description
Evolution HD 2809	Evolution HD 2809 provides up to 28 individually configurable video ports in an industrial fault tolerant chassis (including hot-swappable redundant power supplies and hot-swappable fans) for more challenging mission critical applications.



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