PRODUCT DATA SHEET

ArmidaWare™

SecurityController

Chosen by *Access Control & Security Systems* Magazine as a 2007 New Product of the Year finalist, the SecurityController incorporates Armida's exclusive Videlity® technology to ensure optimal video transmission quality over wireless networks.

› **SecurityController**
A multifunction controller that wirelessly enables surveillance cameras, access control panels, and alarms

Simply connect any camera to create a wireless video surveillance system, without all of the complex components required for traditional wireless systems. The ArmidaWare SecurityController can be deployed, configured, and operational within a few hours.

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The ArmidaWare SecurityController enables any camera, whether IP or analog, to securely transmit enterprise quality video over industry standard wireless networks.

Optimal Flexibility
The ArmidaWare product suite features a SecurityController that allows security professionals optimal flexibility in surveillance camera selection and placement. The SecurityController offers connectivity to any surveillance camera – analog or digital, wired or wireless – and enables wireless transmission of unsurpassed digital quality video using Armida's patented Videlity® technology.

Videlity, a proprietary transmission enhancement and encryption system, vastly improves video transmission over wireless networks, ensuring optimal quality video from surveillance cameras in decentralized locations. In addition to optimizing wireless network usage and ensuring quality image delivery, Videlity technology secures all transmissions using industry-leading AES encryption.

The SecurityController solution includes a transceiver that attaches to cameras through analog or digital interfaces, bi-directionally communicating full motion MPEG-4 video and camera control data directly with many NVRs, allowing authorized personnel to view the surveillance video from anywhere on the network or the Internet.

SecurityControllers can be used with any 802.11a/b/g access point. This provides a consolidated connection point for centralized cameras and other security equipment. Powered by Videlity, SecurityControllers expand the Videlity Operating Environment (VOE) by extending the network to remote cameras.

ArmidaWare SecurityControllers eliminate the need to choose between the low image quality of traditional wireless networks, and the expensive trenching and installation for cable typically required to achieve higher quality video using analog or wired IP solutions. SecurityControllers enable cable-free connection and full operational control of up to four cameras. They can be deployed virtually anywhere, including rugged terrain and remote areas.

SecurityController Benefits
- Wirelessly enable any camera at low cost
- On board MPEG-4 encoder creates high quality compressed video streams
- Easy to install and manage – SNMP compliant with IT network infrastructure
- Cost-effective method to deploy remote and decentralized cameras
- Manufacturer-independent. Fully compatible with any camera, including PTZ cameras, and many Network Video Recorders
- Functions as a DHCP server and Wireless Access Point
- Small size for inconspicuous placement in any location
- Ruggedized enclosure for outdoor use
- Open architecture creates easy implementation, maintenance, and upgrades
- SecurityControllers extend Armida's VOE to remote cameras, ensuring optimal video quality over wireless networks

ArmidaWare
SecurityController

"High quality wireless video from decentralized cameras, without the expense of running cable"

ArmidaWare SecurityController Features

- Long-range wireless transmission of full motion, high-quality CCTV video
- Implements proprietary Videlity technology to ensure high-quality video, in spite of degraded network conditions
- Connects to any camera – wireless or wired, analog or digital – via BNC, or RJ45 - including PTZ control
- Supports Power over Ethernet (PoE)
- Converts analog device streams to IP
- Streams video to many NVRs, using standard 802.11a/b/g, 900 MHz, or 4.9 GHz wireless networks, secured with AES encryption
- Allows 2-way communication and direct connection of interfaces for monitoring and control of alarm systems and access control (RS422/RS485)
- Optional fail-over to CDMA or GPRS cellular communication networks
- Innovative Panic Button capability – Security staff can be alerted at the touch of a button

ArmidaWare SecurityController – Technical Specifications

Camera Inputs (NTSC and PAL Video Standards)

Analog camera	(4) BNC connectors
Digital camera	(4) RJ45 connectors, supports Power over Ethernet (PoE)
Wireless camera	802.11a/b/g
Panic Button Input	Panic Button feature enabled directly through NVR
Control Port	RS485 device control port, daisy chain up to 32 devices

Wireless Interface

Transmission	802.11a/b/g, 900 MHz, or 4.9 GHz & licensed frequencies
Frequency ranges	2.412 - 2.462 GHz, 4.920 - 5.825 GHz, 902 – 928 MHz
Transmission Rate	6, 9, 12, 18, 24, 36, 48, 54, 108 Mbps*
Selectable Channels	Uses 802.11 standard channel numbers

System Management

Web browser interface	Accessible from the network; secured by user name & password
Configurable parameters	Network address, frame rates, bit rates, pan/tilt/zoom camera settings
SNMP management	Device status and control available

Power Requirements

Power	100 -240VAC/50 -60Hz

Environmental

Temperature	-40°C - +85°C (-40°F - +185°F)

Transmit/Receive Range

Range	Up to 20 miles : Depending on antenna choice, line of sight obstructions, and installation configuration

Security

Encryption	Secured via AES (Advanced Encryption Standard)

Video

Compression	MPEG-4
Capture rate	Dynamic, streaming video rates up to 30 frames per second, per camera

powered by Videlity

*Maximum wireless signal rate derived from IEEE Standard 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.