

ArmidaWare™ CameraController

Each product in the ArmidaWare suite incorporates Armida's

proprietary TruVid technology to ensure optimal video quality transmission over wireless networks:

❖ SecurityController

A wireless system controller that integrates wireless surveillance equipment with a reliable communications platform for other security devices, such as access control, alarms, and fire detection

❖ TruVid

A monitoring console and network video recorder (NVR) software – controls the system and records, displays, and stores video images

❖ CameraController

Supports remote cameras in Armida's Video-Aware wireless network

Simply connect any camera, and you have a complete wireless video surveillance system, without all of the complex components required for traditional wireless systems. The entire ArmidaWare product suite can be deployed, configured, and operational within a few hours.

ArmidaWare CameraController enables any camera, whether IP or analog, to securely transmit unsurpassed, and enterprise quality video images over 802.11a/b/g/n, 802.16 and 900MHz wireless networks.

The ArmidaWare product suite features a CameraController that allows security professionals optimal flexibility in security camera selection and placement. The CameraController offers connectivity to any surveillance camera – analog or digital, wired or wireless – and enable wireless transmission of unsurpassed digital quality video using Armida's patent-pending TruVid™ technology.

TruVid, 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, TruVid technology secures all transmissions using industry-leading AES encryption.

The CameraController solution includes a transceiver that attaches to cameras through analog or digital interfaces, communicating full motion MPEG-4 video and camera control data directly to the ArmidaWare TruVid "central command" software. The TruVid console and network video recorder (NVR) software allows authorized personnel to view the surveillance video from anywhere on the network or the Internet.

CameraControllers can be used with any 802.11a,b,g,n, 802.16 & 900MHz access point. This provides a consolidated connection point for centralized cameras and other security equipment. CameraControllers expand ArmidaWare system functionality by extending the network to remote cameras.

ArmidaWare CameraControllers eliminate the need to choose between the low image quality of traditional wireless networks, and the expensive installation and trenching for cable typically required to achieve higher-quality images using analog or wired IP solutions. CameraControllers 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.

ArmidaWare CameraController Features

- ❖ Long-range wireless transmission of full motion, quality CCTV video
- ❖ Implements proprietary TruVid technology to ensure high-quality video, regardless of network conditions
- ❖ Connects to any camera – wireless or wired, analog or digital – via BNC, or RJ45 - includes PTZ control
- ❖ Converts analog and digital device streams to IP
- ❖ Conducts 2-way communication with TruVid "central command" console software using standard 802.11a,b,g,n, 802.16 and 900MHz wireless networks, secured with AES encryption
- ❖ Transmits images up to 30 frames per second per camera using MPEG-4 compression
- ❖ 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

“High quality wireless video images from decentralized cameras, without the expense of running cable”

CameraController Benefits

- ❖ Wirelessly-enable any camera at low cost
- ❖ 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 and Digital Video Recorder/ Network Video Recorder
- ❖ Functions as a DHCP server and Wireless Access Point
- ❖ Small size for inconspicuous placement in any location
- ❖ Open architecture creates easy implementation, maintenance, and upgrades
- ❖ Powered by patent-pending TruVid technology, CameraControllers extend Armida’s Video-Aware network to remote cameras, ensuring optimal video quality over wireless networks.

ArmidaWare CameraController – Technical Specifications

Camera Inputs (NTSC and PAL Video Standards)

Analog camera	(4) BNC or RCA connectors
Digital camera	(4) RJ45 connectors, supports Power over Ethernet (PoE)
Wireless camera	802.11a,b,g,n, 802.16 & 900MHz standard interface
Panic Button Input	Panic Button sends alerts directly to TruVid console
Control Port	EIA-485 Device control port, daisy chain up to 32 devices

Wireless Interface

Transmission	802.11a,b,g,n, 802.16 & 900MHz
Frequency ranges	2.412 - 2.462GHz, 4.920 - 5.825GHz, 902 –928MHz

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	48 VDC / 15 W - External Power Supply UL Listed
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Environmental

Temperature	-40°C - +85°C
Humidity	20-80% RHG

Security

Encryption	Secured via AES (Advanced Encryption Standard)
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Video

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



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