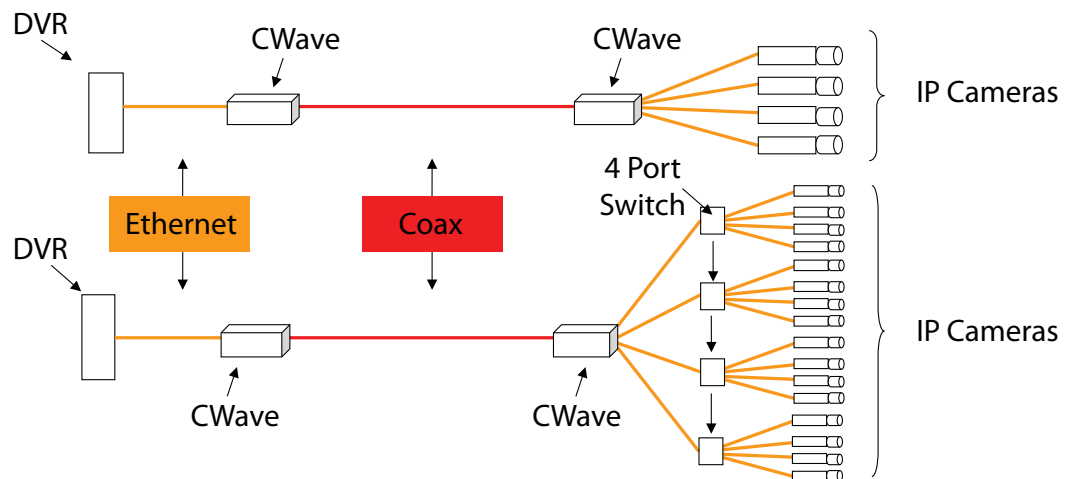


OVERVIEW

CWave® Pro For Video Surveillance enables IP Video over existing coaxial cabling. Based on Pulse~LINK's PL3100 chipset, CWave® Pro supports up to 8 nodes per network and multiple video streams per node. With double the throughput of alternate Ethernet-over-coax technologies, CWave® represents today's optimum solution for extending IP-based video networks or upgrading analog systems to digital.

IP Video cameras are essential for modern Intelligent Distributed Video Surveillance Systems. Legacy analog cameras lack scalability, image quality and remote access functionality. There are several options to consider when upgrading to IP Video Solutions (IPVS). If the system is small and has existing high-quality analog cameras, a video server can be installed to convert analog video to digital. In many cases, legacy cameras are simply not capable of high-definition and need replacing. CWave® Pro For Video Surveillance can deliver multiple HD video streams over existing coaxial cable, making digital upgrades cheaper and more convenient.

The diagram opposite shows connection examples over an existing coax topology. Each CWave® device has one Gigabit and 4 10/100 Ethernet ports and is capable of forming an ad-hoc Piconet of up to 8 nodes.



KEY FEATURES

- Aggregate Network Bandwidth 400+ Mbps with individual network nodes capable of up to 320 Mbps
- No new wires – works over existing coax cables and splitters
- Supports point-to-multipoint topology
- Frequency range of 3.3 - 4.7 GHz
- Guaranteed QoS for Video, Voice or Data applications
- Plug and Play
- Coexists with DOCSIS, Cable, MoCA and Satellite services
- Triple Play with QoS access to any coax outlet

KEY COMPONENTS

- Pulse~LINK PL3100 CWave® Chipset
- Gigabit Ethernet Interface
- 4-Port 100 Mbps Ethernet Switch
- Two 75 Ω BNC Coaxial Connectors
- Low cost, small form factor



SPECIFICATIONS

Frequency	3.3 – 4.7 GHz
Raw Data Rate	1,350 Mbps (1.35 Gbps)
Application Data Rate	Up to 320 Mbps Bi-directional Combined
Operating Temperature, Storage Temperature	0° C to -40° C, -5° C to -65° C
Input Voltage, Power Consumption	12V DC @ 1.5A, External Power Supply: 12V DC
Humidity	10% to ~90% Non-condensing
Certifications	FCC Part-15 Class B
RF Interface	Two BNC Coax Connectors Impedance: 75 Ω
Ethernet Interface	One Gigabit Port, Four 10/100 Ports
Protocol Layer	Based on IEEE 802.15.3b MAC. Standard Guaranteed QoS
Dimensions, Weight	6.0”(L) x 4.75”(W) x 1.75”(H), (152.5 mm x 120.6 mm x 44.5 mm), 1.06 lbs. (480.8 grams)

ORDERING INFORMATION

sales@pulselink.com 760.496.2136 www.pulselink.com
 1934 Kellogg Avenue Carlsbad, California 92008 USA

DAK1-VS	IPVS Ethernet-over-coax Bridge Unit
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About Pulse~LINK

Pulse~LINK, Inc. is a fabless semiconductor company with more than 300 issued and pending telecommunication patents. Headquartered in Carlsbad, California, Pulse~LINK is the inventor of CWave®, an innovative, simple digital RF architecture enabling high data-rate home networking over coax.