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**FOR IMMEDIATE RELEASE**

## **Actelis Networks and IVC Deploy Latest Advancement in IP-based Surveillance Cameras Over Copper Networks**

**FREMONT, Calif., and Newton, Mass., April 13, 2009**—[Actelis Networks®](http://www.actelis.com), the leading global supplier of Ethernet over copper solutions, today announced it is collaborating with industrial video specialist, [Industrial Video and Control \(IVC\)](http://www.ivcco.com), to provide sophisticated [IP-based surveillance and security networks over copper networks](#). IVC is a manufacturer of IP-based cameras and developer of advanced software for managing networks of video systems. The two leading vendors in their markets have been working closely to develop a single integrated IP-based surveillance solution that combines IVC's state-of-the art, IP-based video cameras with [Actelis' ML600 family of intelligent Ethernet Access Devices \(EADs\)](#).

As part of IVC's ongoing collaboration with Actelis, IVC has developed an innovative IP-based camera that, when paired specifically with Actelis' ML600 system, significantly eases deployment, reduces operational expenditures, and provides more reliable and higher bandwidth broadband transmission over copper networks for advanced video surveillance. The joint solution is a major step forward for schools, municipalities, shipping ports, oil, petrochemical and pharmaceutical refineries, as well as military bases and other industrial sites where 365x24x7 security through video surveillance is paramount.

"This new IVC product takes advantage of our ML600's unique ability to deliver both power and data over the copper network," said Eric Vallone, vice president of marketing at Actelis. "By leveraging power over Ethernet, Actelis' ML600 system can power the IVC video camera, creating a complete solution that can be remotely installed and then operated in extreme temperatures as low as -29C degrees."

According to Clarke Esler, product marketing manager at IVC, this joint solution dramatically simplifies camera setup time and reduces the cost of installation, since the Actelis ML600 system delivers both network connectivity and power to IVC's new camera, the IVC PTZ-310-NC32.

"We believe that Actelis' elegant ML600 hardware solution, along with our enterprise-class camera management software, has great appeal for customers with large campuses or multi-campus organizations who rely on their existing copper infrastructure," said Esler.

With Actelis, IVC can now offer quality, scalable IP video solutions across existing copper infrastructures. IVC's enterprise-class software enables applications to easily scale from a handful of indoor and outdoor cameras at a single building to large networks of IVC's IP-based cameras across multiple campuses. Deploying across Actelis-managed networks provides sufficient bandwidth to ensure high quality, high frame rate video. This represents a significant step forward for the video surveillance industry because it allows the latest camera systems to be deployed readily at industrial and commercial enterprise sites whose copper-based network facilities were installed decades ago for voice communications, but can now be revitalized to next-generation IP-based networks with fiber-like bandwidth and guaranteed Quality of Service (QoS).

"By working with Actelis, our customers can take advantage of their copper networks and use IVC's IP-based cameras and management software to view and store video from numerous, and potentially geographically scattered, cameras," said Norman Fast, president and CEO of IVC. "This combined solution already has been deployed for traffic monitoring by several cities, including Citrus Heights, Elk Grove and Roseville in Northern California."

"Despite the video industry's best efforts at data compression, deploying large, dispersed networks of surveillance cameras still demands considerable bandwidth," said IVC's Esler. "Newer camera sensor technologies strain the bandwidth demands further by dumping many megapixels per frame onto the network. Actelis Networks' Ethernet over copper solutions clearly provide the high bandwidth required by the latest video cameras without the excessive expense of deploying fiber."

The collaboration with IVC enables Actelis to showcase its patented, award-winning EFM*plus*<sup>™</sup> spectral management technology, further evidence that Actelis delivers the best rate, reach and reliability over aging copper infrastructures.

“Just as the 3R’s (Reading, Writing and Arithmetic) lie behind a good education,” added Vallone, “so Actelis’ 3R’s (Rate, Reach and Reliability) define the fundamental requirements for industrial-class Ethernet over the first mile copper infrastructure. Video surveillance, with its requirement for real-time transmission and monitoring, truly tests our ability to deliver [\*The 3R’s of EFM.\*](#)”

### **About IVC (Industrial Video & Control)**

Based in Newton, Mass., IVC delivers a broad range of quality IP-based video systems for industrial, commercial and military applications. Their standards-based software, which delivers quality video to PCs and other client devices over a network, is designed to be scalable and easily integrate with third-party software. A key strength of IVC is its ability to develop cameras, enclosures, and software to meet demanding customer requirements.

### **About Actelis Networks**

Actelis Networks is a privately held company headquartered in California’s Silicon Valley. The company’s field-proven Ethernet in the First (EFM) products combine its innovative and award-winning EFM*plus*<sup>™</sup> copper transmission technology with a complete set of standards-based carrier Ethernet switching capabilities that extend the reach of Ethernet services over existing copper networks. Actelis’ EFM*plus* technology employs advanced digital signal processing techniques and link level dynamic spectral management (DSM) to create reliable, high-performance Ethernet that are 100% complementary to the legacy services already deployed in copper networks. Actelis’ carrier Ethernet switching capabilities are certified compliant with MEF 9, MEF 10, MEF 14, and MEF 18 specifications. With deployments in more than 35 countries by 150 network service providers, Actelis brings a rich history of success and innovation to the telecom and enterprise marketplaces. Actelis Networks and the Actelis Networks logo are registered trademarks, and Carrier Ethernet over Copper, EFM*plus*, and The 3 R’s of EFM are trademarks of Actelis Networks, Inc. One or more U.S.

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