

AvaLAN Wireless Announces The Industry's First FIPS 140-2 Level 2 High Security Integrated Wireless PTZ Dome Camera Housing

System provides maximum security and government agency approval

Huntsville, AL., June 9th, 2011 – [AvaLAN Wireless](http://www.avalanwireless.com) Systems, Inc., provider of long range industrial wireless Ethernet products, announced this week the AWD2-900S, a revolutionary wireless integrated PTZ dome housing for surveillance cameras with government validated FIPS 140-2 Level 2 encryption. This integrated system consists of a Dotworkz™ Outdoor Dome Housing for a PTZ (Pan-Tilt-Zoom) digital video camera. The housing contains an AvaLAN 900 MHz wireless Ethernet Radio combined with a FIPS 140-2 Level 2 validated and certified encryption module. Also included is a special AW900xTR receiving unit that also contains a FIPS 140-2 Level 2 validated and certified encryption module to complete the point-to-point link. Everything is included except the camera which gives the security integrator a multitude of IP camera options. The radio link provides 256-bit encryption and user programmable keys that are programmed through a separate USB control interface inside the units. The AWD2-900S inherits NIST Certification by using these approved modules. The AvaLAN radios are IP addressable with web browser based remote configuration and diagnostic tools built in. AvaLAN's products offer the ideal combination of price, range, data rate, security, interference avoidance, quality-of-service, with a simple plug and play set up and minimal user programming required.

FIPS (Federal Information Processing Standard) Publication 140-2 is a government computer security standard that establishes the Cryptographic Module Validation Program (CMVP) as a joint effort of the NIST (National Institute of Standards and Testing) in the USA and the Communications Security Establishment (CSE) in Canada. Security programs overseen by NIST and CSE focus on working with government and industry to establish more secure systems and networks by developing, managing and promoting security assessment tools, techniques, services, and supported programs for testing, evaluation and validation. FIPS 140-2 Security Level 2 improves upon the physical security mechanisms of a Security Level 1 cryptographic module by requiring features that show evidence of tampering, including tamper-evident coatings or seals that must be broken to gain physical access to the plaintext cryptographic keys and [critical security parameters](#) (CSPs) within the module, or pick-resistant locks on covers or doors to protect against unauthorized physical access.



Certificate No. 1452

"This new integrated surveillance camera housing includes government validated encryption that makes the wireless data communication certified secure", said Matt Nelson, CEO of AvaLAN Wireless. "AvaLAN is proud to offer another product that clearly demonstrates our continued commitment to engineering innovation."

AvaLAN is continuing their market leadership position by providing robust and reliable wireless solutions for security applications, access control, industrial automation, remote sensing and remote control markets. AvaLAN products are an ideal replacement for installations where WiFi systems are under-performing or failing completely due to insufficient range, excessive interference or unsatisfactory reliability. No other company can match the price-performance characteristics of AvaLAN's products.

The new AWD2-900S 900 MHz High Security PTZ Dome Housing with Integrated Wireless Ethernet Radio and FIPS 140-2 Level 2 Validated Encryption is now shipping and available with a manufacturer's suggested retail price of \$2999 USD.



About AvaLAN Wireless Systems, Inc.

Founded in the heart of California's high-tech Silicon Valley in 2004, AvaLAN Wireless ("AvaLAN") is an industry leading developer and manufacturer of long range industrial wireless radio technology. AvaLAN's products are designed to enable affordable wireless connections in perimeter or remote locations. Specializing in the unlicensed 900 MHz, 2.4 GHz, 4.9 GHz and 5.8 GHz radio bands, AvaLAN offers a number of Ethernet bridge products and point-to-multipoint wireless networking products. AvaLAN Wireless Systems, Inc. is headquartered near Huntsville, Alabama and can be contacted at 866-533-6216, by email at info@avalanwireless.com, or by visiting www.avalanwireless.com.