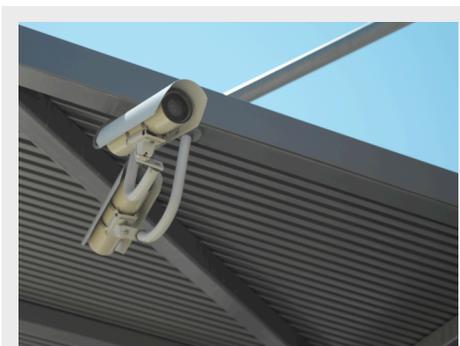


Cisco Wireless LAN Video Surveillance Service

Expert Planning and Design Assistance to Help You Build a Video Ready Wireless Network for Surveillance and Situational Awareness.



Take advantage of the benefits provided by a well integrated video surveillance system.

- Improved operational efficiency with faster response times and better collaboration among physical security, IT and other business groups
- Reduced capital and operational expenses with increased deployment flexibility, investment protection, and more component choices
- Increased investment value with better quality secure video, real-time surveillance throughout the facility, and the ability to quickly react to environmental changes

Challenge

Organizations face a variety of physical security challenges in order to protect assets and address liability obligations for the people within their organization, including employees, contractors, customers, and guests. Video surveillance systems are an effective way to monitor situations in order to prevent damage to facilities or loss of property. Video-capable wireless devices create an environment where security personnel can remain in constant contact and maintain situational awareness in emergency situations. Wireless surveillance cameras provide additional flexibility as they can be deployed or moved as needed without the time and expense of cabled solutions.

To access surveillance video at any time from any place and enable real-time incident response, investigation, and resolution, companies must build best-in-class video surveillance systems optimizing price, performance, and function. Cisco Systems offers network centric video surveillance software and hardware that supports video transmission, monitoring, recording, and management.

Wireless video surveillance requires a high performance wireless network that is transparently integrated into your wired network and IP video surveillance solution. This calls for detailed technical planning

and a solid understanding of the requirements for this mission critical application. Technical guidance from wireless LAN experts helps you realize success in securing your premises and preparing your wireless network to optimize the performance of future mobility services.

Solution

Cisco and our Wireless LAN Specialized Partners offer a broad portfolio of end-to-end services that help you develop strategies for deploying high-performance secure networks that can support the demand for mobility applications. These services are based on proven methodologies for assessing wireless network designs, identifying technology readiness, and creating deployment strategies. Deployment of these new and sometimes complex technologies requires the knowledge that has been gained through years of experience designing and deploying some of the world's most complex wireless networks. Cisco Wireless LAN Specialized Partners bring additional expertise to help deliver a secure enterprise mobility solution with a low total cost of ownership.

Cisco Wireless LAN Video Surveillance Service

In situations where you first need to install the video surveillance system and software we recommend the Cisco Video Surveillance Service to help you prepare, plan and implement your core IP video infrastructure. Once the core infrastructure is in place, the Cisco Wireless LAN Video Surveillance Service will help you create a video ready wireless LAN and integrate your wireless network with your video surveillance solution.

The Cisco Wireless LAN Video Surveillance Service includes six components that Cisco has identified as essential for successful deployment:

- Wireless LAN architectural and security design
- Wireless LAN RF site assessment
- Wireless LAN detailed network design
- Cisco Wireless LAN Controller configuration
- Cisco Wireless Control System configuration
- Wireless LAN postdeployment validation service

Wireless LAN Architectural and Security Design

The first steps in deploying a secure wireless LAN solution are translating business application requirements into solution requirements and aligning those solution requirements to the multitude of technologies available. The wireless LAN expert uses a comprehensive set of methodologies that help to manage your technical and applications requirements while providing various architectural options. The wireless LAN expert then assesses architectural readiness and makes necessary modifications to your implementation plan. Upon completion Cisco provides a high-level design document with recommendations.

Wireless LAN RF Site Assessment

The packet loss and jitter requirements of video over IP and the mission critical nature of security and surveillance activities place demands on connection quality, coverage, and user expectations that are beyond those of a typical wireless LAN data deployment. This assessment helps you determine your network's ability to deliver secure wireless LAN service in the desired coverage area. It helps you understand the current state of your network and future needs so you can make informed decisions about how to reliably predict coverage and capacity and identify sources of interference. The assessment, which includes a site survey, enables Cisco to make recommendations for placement of access points, establishing their radio frequencies (RF), channel allocation, antenna selections, and power and cabling specifications.

Wireless LAN Detailed Network Design

The wireless LAN expert works with your staff to develop detailed plans and configurations. Design elements include; the security infrastructure, IP addressing scheme, switching and routing infrastructure, network management infrastructure, and software image recommendations. Upon completion of the design, a low-level design plan is created that includes templates for controller configuration, security configuration settings and switch configuration recommendations.

Cisco Wireless LAN Controller Configuration

Within this activity we recommend code versions for the wireless LAN controllers, implement the recommended version of controller software and configure the controller for your network. We will also assign access points to the required controller according to the design.

Cisco Wireless Control System Configuration

The wireless LAN expert recommends code versions for the Cisco Wireless Control System (WCS), implements the recommended version of WCS and configures the security policies and templates for your network. We will also configure WCS scheduled tasks, user accounts, and logging to match Cisco leading practice recommendations and the network requirements.

Wireless LAN Post-deployment Validation Service

This activity verifies that the system is operating in accordance with the design by surveying the RF environment, validating configurations, and reviewing general performance of the video surveillance system. In providing onsite and remote wireless LAN post-deployment validation, our team of specialists assesses coverage, measures interference, evaluates overall wireless LAN network capacity, and makes recommendations for improvement to help achieve the best possible performance.

Benefits

Cisco Wireless LAN Video Surveillance Service helps you enhance the performance and reliability of the video surveillance applications running on your wireless LAN by helping you design and implement the system in alignment with your business requirements. In addition, these services help provide:

- Faster incident response due to the efficient delivery of video anywhere, anytime, to designated personnel
- Increased flexibility and improved security through access to live and recorded video using a broad range of mobile devices
- Enhanced business operations resulting from video application integration and collaboration among physical security, IT, and other business groups
- Reduced capital and operational costs by integrating the wired and wireless networks to simplify structured cabling and facilitating the ability to deploy and redeploy wired and wireless cameras as needed
- Investment protection of video surveillance and physical security assets through gradual migration, both indoors and outdoors, to a system consisting of both wired analog and wired IP cameras as well as wireless cameras

Why Cisco Services

Cisco Services make networks, applications, and the people who use them work better together. Today, the network is a strategic platform in a world that demands better integration between people, information, and ideas. The network works better when services, together with products, create solutions aligned with business needs and opportunities.

The unique Cisco Lifecycle approach to services defines the requisite activities at each phase of the network lifecycle to help ensure service excellence. With a collaborative delivery methodology that joins the forces of Cisco, our skilled network of partners, and our customers, we achieve the best results.

For More Information

For more information about Cisco Wireless LAN Services, visit www.cisco.com/go/wirelesslanservices or contact your local account representative. For more information about Cisco wireless LAN products, visit www.cisco.com/go/wireless.

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Better Together.



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