

enVigil for Infrastructure

Robust Outdoors Networked Video Surveillance System

enVigil Infrastructure solution consists of products designed for rapid implementation of a robust outdoor video surveillance system such as needed for monitoring public places and critical infrastructure. The objective of this product line is to cut down the amount time needed to complete installation of video surveillance system by more than a half and at the same time achieve robustness that is deemed essential for such systems . Outdoor projects such as video surveillance system for monitoring street intersections, bridges, railway tracks, power stations, water works and pipelines can benefit from use of enVigil Infrastructure products.

enVigil Infrastructure solution can also be used to deal with short term requirement for extra outdoor video surveillance where needed in a city. The system can be quickly installed on buildings, lighting and telephone poles and existing wireless communication infrastructure to rapidly deploy the system and easily moved to another location when the requirements change.

Deployment of enVigil system at a location consists of a base unit with a built in embedded NVR. Cameras that are within easy reach are connected using wired network. Cameras that are farther are connected using WiFi based WLAN connection. The enVigil base unit has software to deal with peculiarity of use different forms of wired and wireless up-links to connect the cluster of cameras to a command and control center. enVigil CMS (central management system at the command and control center can simultaneously monitor multiple cluster of camera distributed over widely distributed area.

enVigil base unit can be equipped with a 3G/4G capability to provide backup redundant communication path in case the main up-link is broken or disabled. Besides Mobile access to any of the cluster of cameras is possible form iPone, iPAD and Android based phones and tablets and laptop equipped with wireless broadband connection. .



Highlights:

- Waterproof IP66, fan less, dustproof
- Embedded NVR with VMS software
- WiFi WLAN for connecting to cluster of cameras
- Network capability to use wireless up-link to monitoring center
- Bandwidth adaption for lowering up-link cost
- mobile 3G/4G backup up-link capability
- Built-in VPN for secure network communication
- Mobile access from iPhone, iPad, Android phone, tablet and laptop.
- IP cameras (standard, HD and panoramic)
- IP HD PTZ camera support
- Analog PTZ camera support
- Remote access to live and recorded video
- High resolution local recording and bandwidth adapted remote recording
- Built in PoE for local IP cameras
- Built in UPS battery

enVigil RapidResponse System for first responders

BASE UNIT	
VMS system	enVigil NVR unit with VMS software
Cameras	Up to 4 Standard, HD and PTZ IP cameras
Video Compression	H.264, MPEG-4, Motion JPEG as provided by IP Cameras
Local Storage	500GB 2.5" HDD
Local Wireless	WiFi WLAN Access Point
Redundant up-link	4G/3G wireless up-link
Up-link	Work with wired and wireless point to point link
Power to cameras	4 Power over Ethernet (PoE IEEE 802.3 af) ports and one Analog PTZ port with power
UPS	Built in
Input power	8 to 30 volt DC
Environment	Waterproof IP66 rated
Dimensions	10' X10" X 4.5"
CAMERA EXTENSION UNIT	
Wireless	WiFi for connecting cameras to the BASE unit
Cameras	Supports 4 Standard, HD and PTZ IP cameras.
Power system	4 Power over Ethernet (PoE) Ethernet ports
UPS Battery	Built in
Environment	Waterproof IP66 rated
Dimensions	10.5 X 8 X 4.5 inches
REMOTE VIDEO SURVEILLANCE	
Live Remote Monitoring	enVigil Client for Windows 7 and XP
Central Management System	enVigil CMS for Windows 7 and XP
NETWORK SECURITY	
Network Security	Built-in VPN, multi-level password protection
Operating System	Linux
SYSTEM	
Operating Temperature	-10 °C to 50 °C (14 °F to 122 °F)