HERNIS Flex
HERNIS CCTV Control System

Overview

HERNIS' Flex IP CCTV system offers full flexibility and infrastructure across multiple transmission technologies, creating a sophisticated CCTV system limited only by your creativity.

HERNIS Flex CCTV achieves a complete IP architecture or accepts analogue/serial signals if required. Systems are deliberately designed to maximize video quality and recording reliability.

CCTV Systems designed on the HERNIS Flex architecture offer full flexibility in transmission. Straight forward small systems and large complex systems alike are engineered for control and transmission remotely and locally via Local Area Networks, satellite and radio link.

The HERNIS Flex CCTV architecture, including the video and alarm management applications, utilize one common infrastructure provided by an Ethernet backbone, supervised by a system server.

A complete turnkey system easily incorporates with third party telecommunications, alarms, hardware, software or DCS management and security systems. Straight forward connection to external low-voltage input/output devices (such as visual/ audible alarms, Passive Infrared Sensors (PIR), smoke, gas, flame detectors etc.) enables HERNIS Flex CCTV system to improve operator efficiency and reduce incident response time, significantly adding to the integrity of any system and safety of any facility.

HERNIS Flex CCTV Systems are designed and engineered for the following functional capabilities:

- Remote and local system transmission and control via Local Area Network, satellite and radio link
- Complete system diagnostics, down to each component
- Remote administration
- User friendly software that accesses many layers of information

HERNIS Flex system camera stations are connected to a camera dedicated network via an integrated transmitter/receiver unit. The video signal from the IP camera station is encoded and streamed to a HERNIS Video Extender (HVE) that distributes video to a virtually unlimited number of operator stations.

Features

- Flexible infrastructure
- Caters for CCTV systems of all sizes
- Flexible recording capabilities
- Equipment designed to meet extreme CCTV performance criteria
- Can incorporate remote and local systems
- Integrates with third party telecommunications, alarms, hardware, software or DCS management and security systems
- User profile priority scheme
- Complete system diagnostic software available
- Alarm Management software available
- Video wall application available

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The HERNIS Flex CCTV architecture supports dual video streams from each camera in the system. The two video streams are independent meaning they can be set to transmit at different rates and with different quality to serve different purposes such as viewing, recording or analysis, or adapt to hardware or network limitations dictated by the circumstances on the location.

Authorized operators are able to control cameras, and monitor live as well as recorded video from any camera at any point on the network, depending on user profile priority.

The Flex system is designed for robust flexibility. Uptime is maximized by employing separate communication networks, redundant system servers and power supplies in the main central equipment. The use of RAID discs for video storage assures dependable archived video without loss in case of damage to discs. Flexible recording capabilities increase the integrity of the Flex CCTV system.

- Recordings can be generated, viewed and saved at different locations in the system
- Resolution and frame rate can be set individually for the main and sub stream from each camera
- Recording duration can be set individually for each video stream

The HERNIS Flex system has continuous self-monitoring system and component functionality.

A HERNIS Flex system central cabinet is typically equipped with:

- HERNIS system server with software correlating to the number of cameras connected to the system
- Built in recording & IP streaming capability
- System Node with communication and integration to fire & gas and other alarm systems
- Local power supply for camera stations and/or fiber optical equipment for transmission over longer distances
- LAN switches designed and dimensioned for IP traffic and optimal operation
- Dual power inlet if UPS/normal power feeds are used

The HERNIS Flex architecture uses industry standard networks and integration protocols thereby catering for easy and efficient increases in the number of cameras, control stations, system servers and geographic expansion to meet future requirements.

24 hour technical support line available for documented systems.

Benefits

- Flexible infrastructure
- Remote and local systems
- High quality equipment proven for extreme environments
- Flexible recording capabilities increasing integrity and meeting different user requirements
- Enhanced safety
- Improved operator efficiency
- Enhanced coordination
- Provides input for critical decision processes
- Reduced incident response time
- Added integrity to management and security systems
- Easily expandable to meet future requirements

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