# PELCO

# ENDURA IP VIDEO SECURITY SYSTEM

## PROTECTING

PEOPLE AND PROPERTY IN A
MILLION LOCATIONS WORLDWIDE

Endura

# Endura IP Video Security Solution
## Endless Adaptability

The Endura IP Video System offers the reliability, scalability, flexibility and mission-critical performance that customers demand in an enterprise-class IP-based video security system. Endura is the platform on which to build the solution you need – whether you are looking for a sensible migration path from analog to digital, a digital extension to an existing analog system, or a full digital system. Building on Pelco's decades of leadership in the video security industry, Endura delivers the image quality and robust performance demanded by security professionals. IT professionals can rest assured that Endura offers the fault-tolerance, reliability, and interoperability they expect from any piece of IT equipment.

With the ability to scale from a few to a few hundred to thousands of cameras, an Endura system can be designed to fit a wide range of customer situations. Designed as a foundational architecture upon which a range of security applications can be implemented and integrated, an Endura system evolves to adapt to a customer's changing security needs. Endura delivers on customers' demands today and into the future.

**Endura**

# All Digital Solution

The Endura IP video security system combines the video performance that customers expect from Pelco, with a robust, standards-based IT architecture that IT professionals can trust. Endura delivers high-quality video at 30/25 (NTSC/PAL) images per second at 4CIF, using highly efficient 2Mbps of bandwidth. Reliability is built-in from end-to-end, from the Linux-based OS and RAID5 storage to full systemization of all components. An Endura Certification program ensures that all installation and support are done by highly trained professionals, backed by the leader in video security.

**"Ultimately, we envision the system emerging from a security tool into an operations efficiency tool."**
  – Mitch Goplen, Director of Facility Services, Billings Clinic

Billings Clinic – Billings, Montana

# Endura Remote Site Integration

For an enterprise seeking to implement video security in remote or branch locations, the DVR5100 offers an ideal solution for local recording, while providing a path to remote connectivity and systemization into the Endura System.

**"The DVR5100 is a great system, and it makes an excellent entry-point for users who envision a fully distributed solution in the future."**
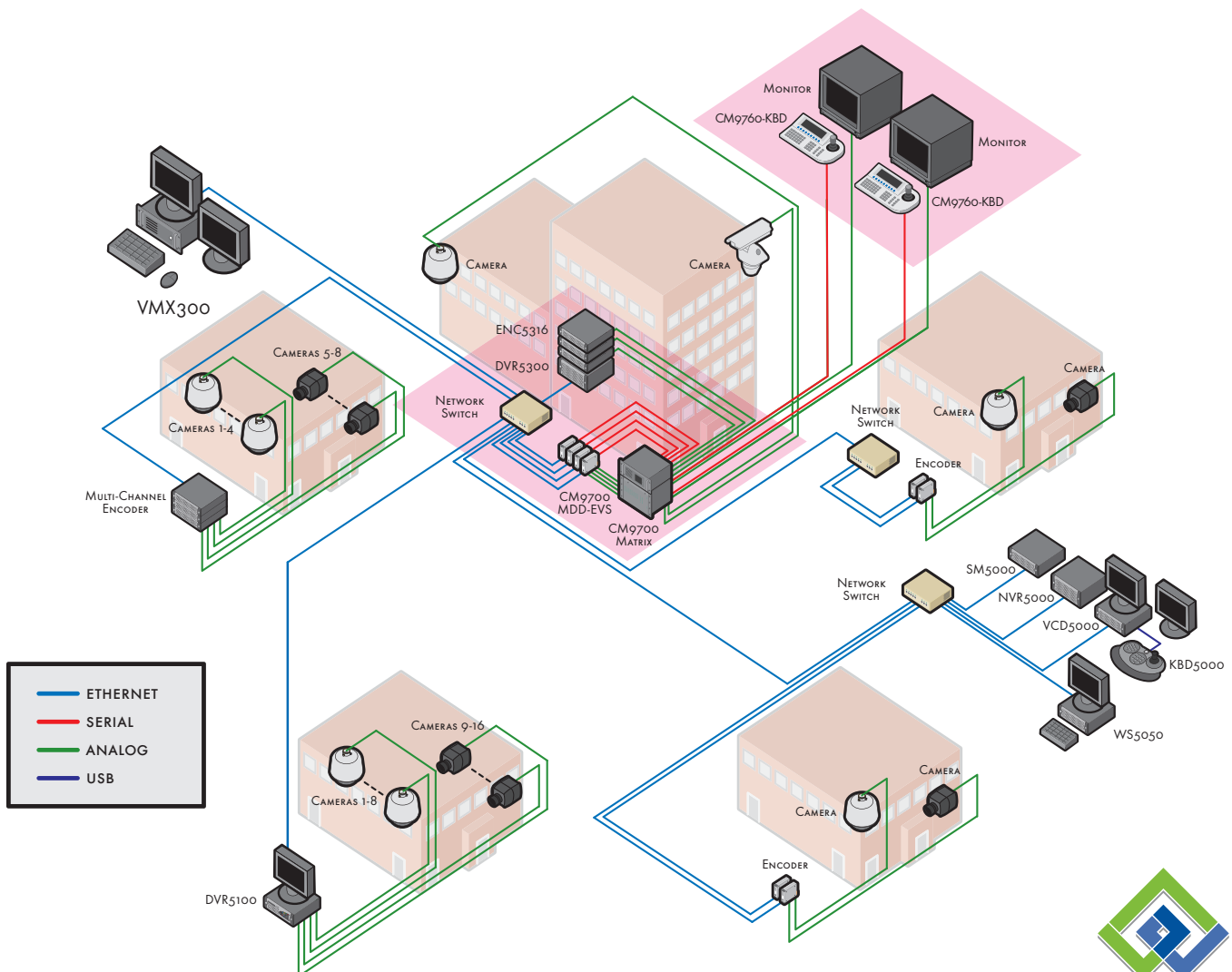– Ron Rackley, Vice-President of Enterprise Security Systems of Texas

Pelco DVR5100

ENDURA ENABLED

# Analog Matrix-to-Digital Migration

Customers can leverage their investment in their existing Pelco CM9700 Matrix Switcher, with the Endura Matrix Digital Decoder, which transmits video from an Endura system to the CM9700 Matrix Switcher. Customers can use their familiar CM9700 system to view and control video on both the matrix system and the new Endura digital extension to their system.



**Legend:**
- ETHERNET
- SERIAL
- ANALOG
- USB

Labels in diagram: VMX300, CAMERAS 5-8, CAMERAS 1-4, MULTI-CHANNEL ENCODER, CAMERA, ENC5316, DVR5300, NETWORK SWITCH, CM9700 MDD-EVS, CM9700 MATRIX, MONITOR, CM9760-KBD, CAMERA, NETWORK SWITCH, CAMERA, CAMERA, ENCODER, NETWORK SWITCH, SM5000, NVR5000, VCD5000, KBD5000, WS5050, CAMERAS 9-16, CAMERAS 1-8, DVR5100, CAMERA, CAMERA, ENCODER

**Endura**

# Enterprise-Class Digital Video Recording

For situations requiring a centralized enterprise-class digital video recording solution, the DVR5300 fits the bill. The DVR5300 can record both digital and analog video and audio, from up to 48 Cameras, each at 30/25 (NTSC/PAL) images per second at 4CIF, all in a compact footprint.

**"The great thing about Endura is its flexibility – you can make the system whatever your facility needs it to be. As we progress we know this system will evolve and grow to meet our needs for many years to come."**
**– Brian Griffin, Manager of Stadium Operations**

BC Place – Vancouver, Canada

# Intuitive, Integrated Interfaces

The Endura IP Video System incorporates a very powerful graphical user interface (GUI) that makes use of a common, easy-to-use, heads up display. From one component to the next, the look and feel of icons, tools, and interface are consistent throughout the system. Additionally, the system's unique, color-coded keyboard and visual approach provide an intuitive, easy-to-learn interface that dramatically reduces the learning curve for all users.
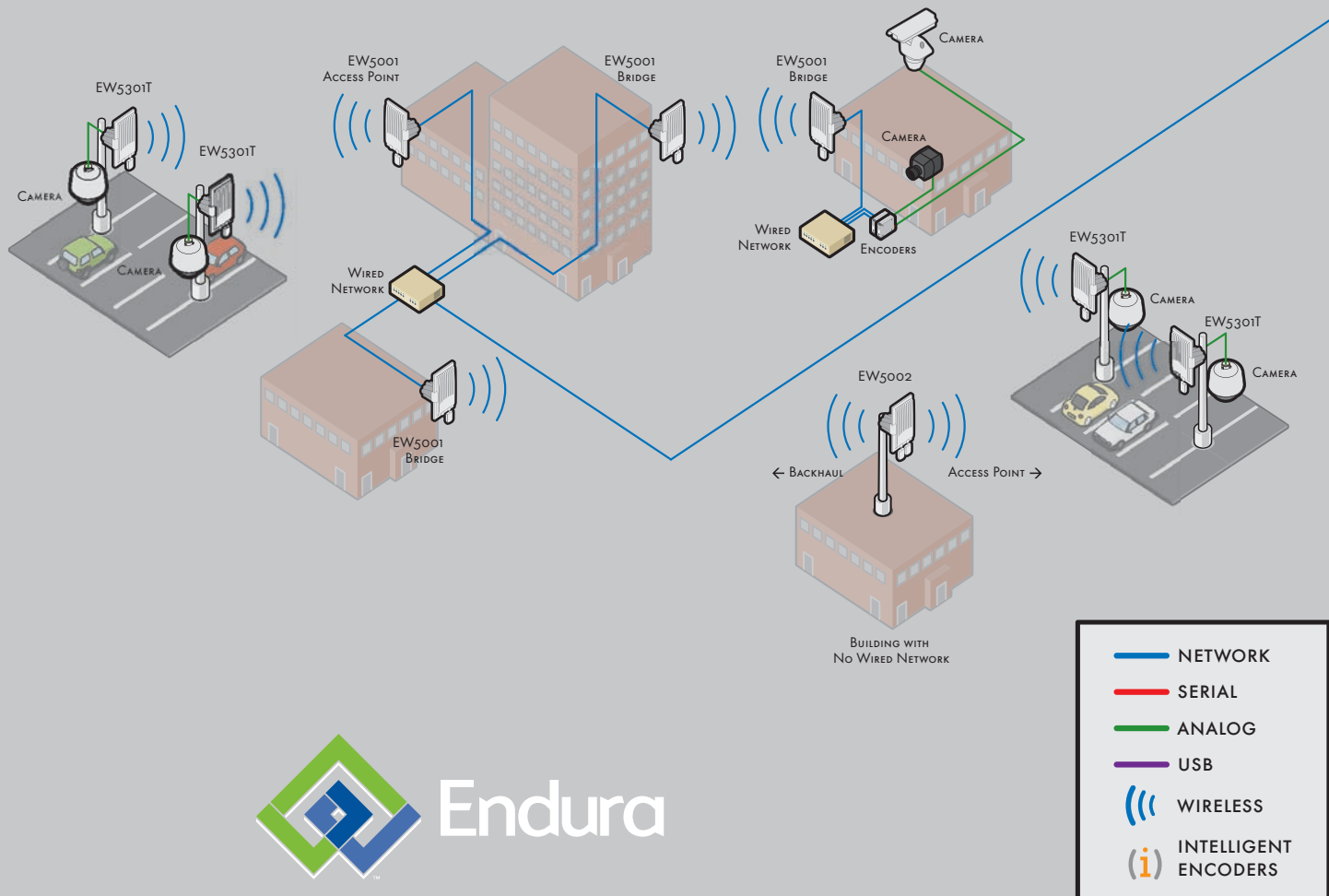


Endura Version 1.5 Work Station with Mapping
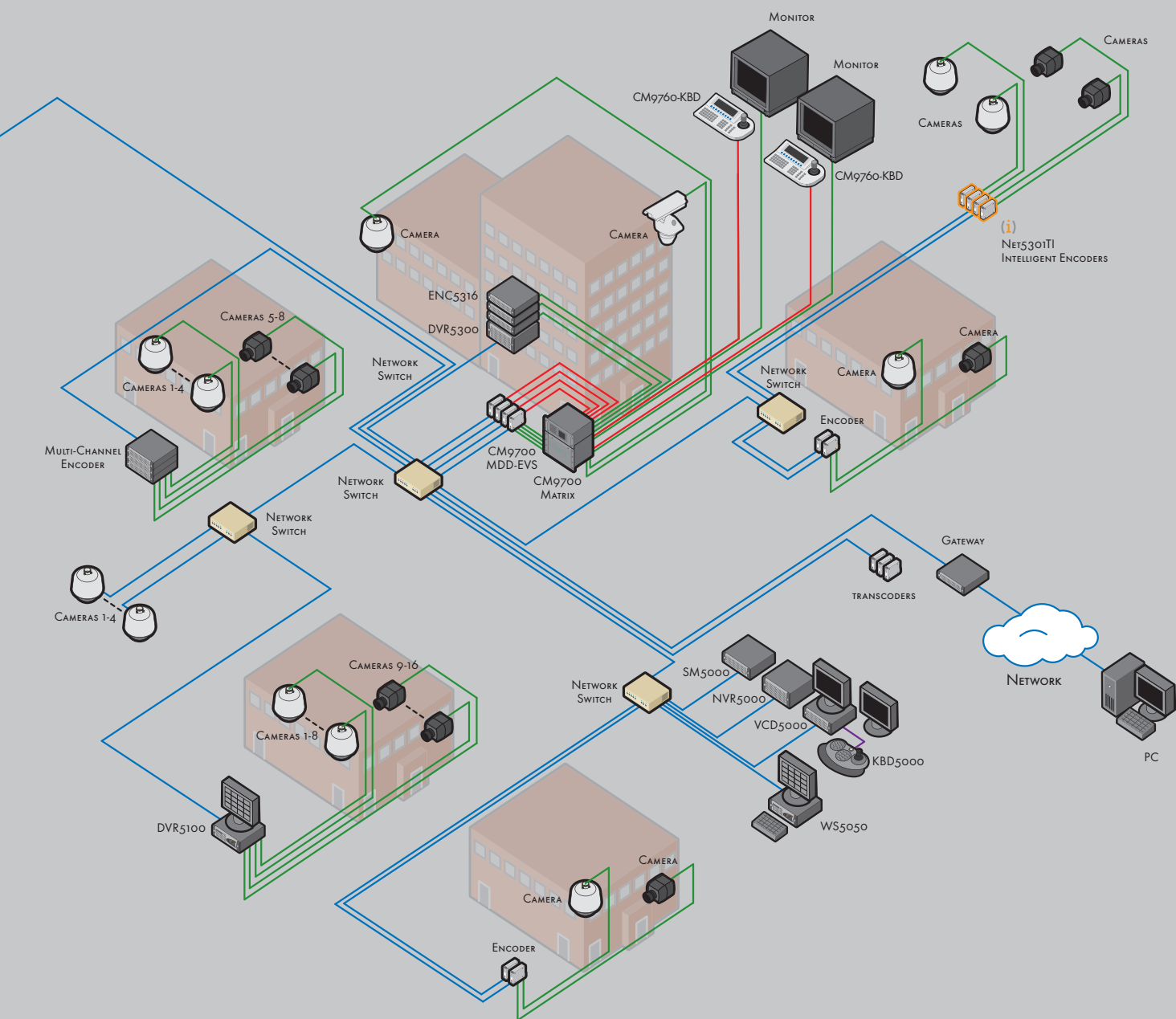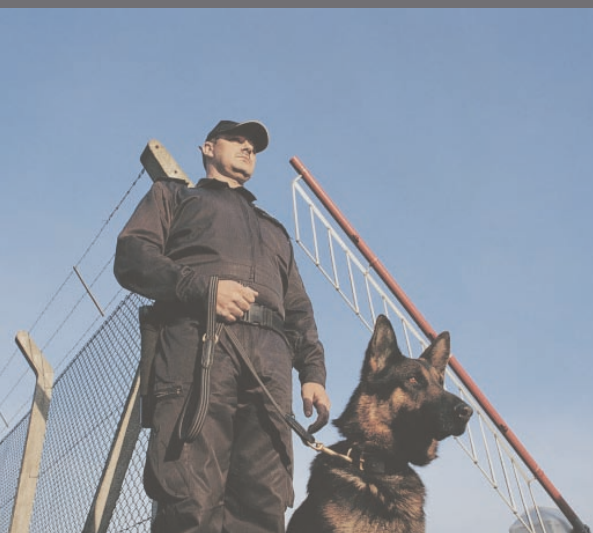


Video Console Display with KBD5000

# Endura Network Diagram



**Legend:**
- NETWORK
- SERIAL
- ANALOG
- USB
- WIRELESS
- INTELLIGENT ENCODERS

Diagram labels:
- EW5301T
- Camera
- EW5001 Access Point
- EW5001 Bridge
- Camera
- Wired Network
- EW5001 Bridge
- Encoders
- EW5002
- Backhaul / Access Point
- Building with No Wired Network
- EW5301T

## Endura

The network implementation(s) is shown as a general representation only and is not intended to show detailed network topologies. Your actual network will differ, requiring changes or perhaps additional network equipment to accommodate the system as illustrated. Please contact your local Pelco Representative to discuss your specific requirements.

MONITOR

MONITOR

CM9760-KBD

CAMERAS

CAMERAS

CM9760-KBD

CAMERA

CAMERA

(i)
NET5301TI
INTELLIGENT ENCODERS

CAMERA

ENC5316

DVR5300

NETWORK
SWITCH

CAMERAS 5-8

CAMERAS 1-4

NETWORK
SWITCH

CAMERA

CAMERA

ENCODER

MULTI-CHANNEL
ENCODER

CM9700
MDD-EVS

CM9700
MATRIX

NETWORK
SWITCH

NETWORK
SWITCH

GATEWAY

CAMERAS 1-4

TRANSCODERS

CAMERAS 9-16

CAMERAS 1-8

NETWORK
SWITCH

SM5000

NVR5000

VCD5000

KBD5000

NETWORK

DVR5100

WS5050

PC

CAMERA

CAMERA

ENCODER

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