



INTEGRITY \* RESPECT \* LAWS AND THE CONSTITUTION \* ACCOUNTABILITY \* PROBLEM SOLVING \* PROFESSIONALISM

---

## MEMORANDUM

DATE: July 3, 2012

TO: Michael Culpepper, Interim City Manager

FROM: Gary Mayer, Chief of Police *GM*  
Keith Frye, Captain *KF*  
Ryan Wolf, Research & Technology Administrator *RW*

RE: Pelco Endura Upgrade

---

Please find attached a document that illustrates and explains the recent Pelco Endura camera and video wall upgrade in the Police Department.

This upgrade was approved by City Council on March 5, 2012 utilizing Capital Funds contained in the fiscal year 2011-2012 Police Administration Office Renovations and Federal Drug Forfeiture accounts.

This technology will help maintain and enhance the security of the Police Department building and nearby city facility.

# Troy Police Department



## Pelco Endura Upgrade



Lockup Interface



Walkup Desk Interface



Encoder Rack and  
Endura Network Core



Communications Center Interface with 92" Video Wall

The Police Department has completed its upgrade to the new Pelco Endura system.

The system is comprised of 53 cameras throughout the Police Department and City Hall. Of the 53 Cameras, two are the new High Definition Pelco Serix cameras. It is the difference between watching standard TV and HDTV.

Pictured above is the new 92" video wall in Communications. This provides a view of 16 cameras at one time, a significant increase from the four cameras viewable on the old system. When a Gate Intercom or Panic Alarm comes in, the top two monitors switch to display two 46" camera views showing the area of concern. This can easily be seen by everyone working in Communications.

Endura is an end-to-end IP solution. Our old analog Pelco cameras were converted to IP using encoders (pictured to the left), increasing the clarity of the old cameras compared to the previous system. Once converted to IP, the video is stored on one of three Storage Managers. The Storage Managers have the equivalent storage of 11,329 DVDs (52TB) to warehouse the video.

The Troy Police Department will continue to utilize technology to make our Department more efficient and to provide the highest level of service at the best possible cost for the taxpayers.