

# THE SURVEILLANCE INFRASTRUCTURE IS CHANGING: HOW TO PREPARE FOR AN INFLUX IN VIDEO

## TODAY'S TRENDS



Increase in camera stream count



Higher resolution cameras



Longer retention times



Currently, less than half of video is analyzed

## FURTHER DOWN THE ROAD

By 2020, video surveillance is expected to reach



3.3 trillion captured video hours globally

**859** petabytes of video daily

## HOW QUICKLY VIDEO CAN ADD UP



A camera with 1080 resolution generates

**about 10 GB per Camera per Day**

## CCTV VIDEO BREAKDOWN

10 GB/Day + 50 Cameras + 1 Year Retention =

**183 TB** of video to be stored

## ON-BODY VIDEO BREAKDOWN



**1 Terabyte of video**

It only takes **12 officers 14 days** to reach this threshold



**4 hours a day per 1 officer** a year generates over

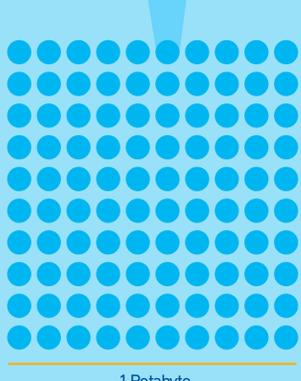
**1TB** of video

In a police force with **1000 officers** they will generate more than



**1 Petabyte** of video content in a year

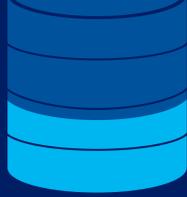
10 GB



1 Petabyte

## WHY CHOOSING THE RIGHT SURVEILLANCE STORAGE MATTERS

### DISK ONLY STORAGE



A disk only storage approach will consume

**37%**

more of your budget than Quantum's tiered storage solution.

### QUANTUM'S TIERED STORAGE



Spend less on storage so you can spend more on other surveillance tools

## Cost savings from keeping all video on primary storage compared to tiering

\$ = \$100



**\$2,500**

the AVERAGE COST per TERABYTE of Primary Storage

\$ = \$100



**\$200**

the AVERAGE COST per TERABYTE of Intelligent Tape

Worried that it will take too long to retrieve video from your tape library? It only takes 2 mins to grab video being stored on tape

**02:00**

Users have direct access to content no matter what storage tier it's saved on - It takes **less than 2 mins** to begin streaming a file from tape

## NO IT, NO WAITING, NO EXTRA COSTS

## CITY OF BALTIMORE POLICE CLOUD STORAGE EXPECTATIONS

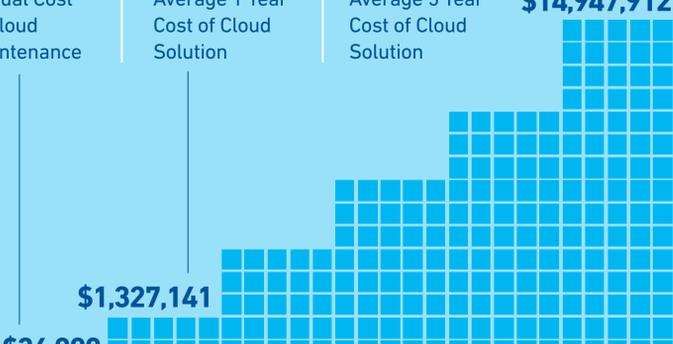
### The High Cost of On-body Camera Cloud-based Storage

Annual Cost of Cloud maintenance

Average 1 Year Cost of Cloud Solution

Average 5 Year Cost of Cloud Solution

**\$14,947,912**



### Quantum Helped Save the Calgary Police Force

**\$300,000**

by using a **tiered storage approach**

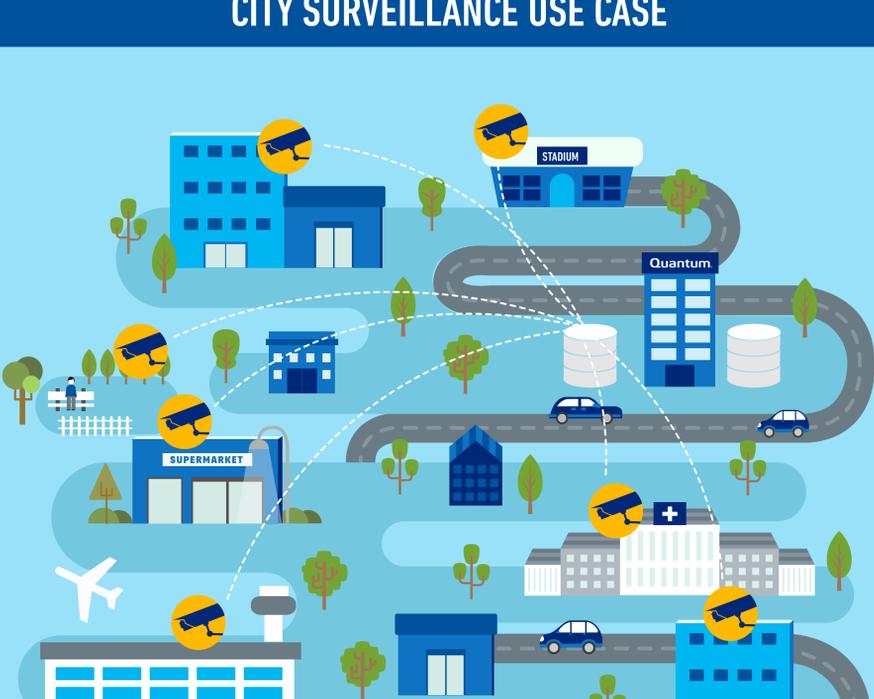
PRIMARY STORAGE

ACTIVE/ARCHIVE LTO

**240** TERABYTES

**860** TERABYTES

## CITY SURVEILLANCE USE CASE



Learn about Quantum's City Surveillance Solution