# QVR 5.0 for QNAP NVR

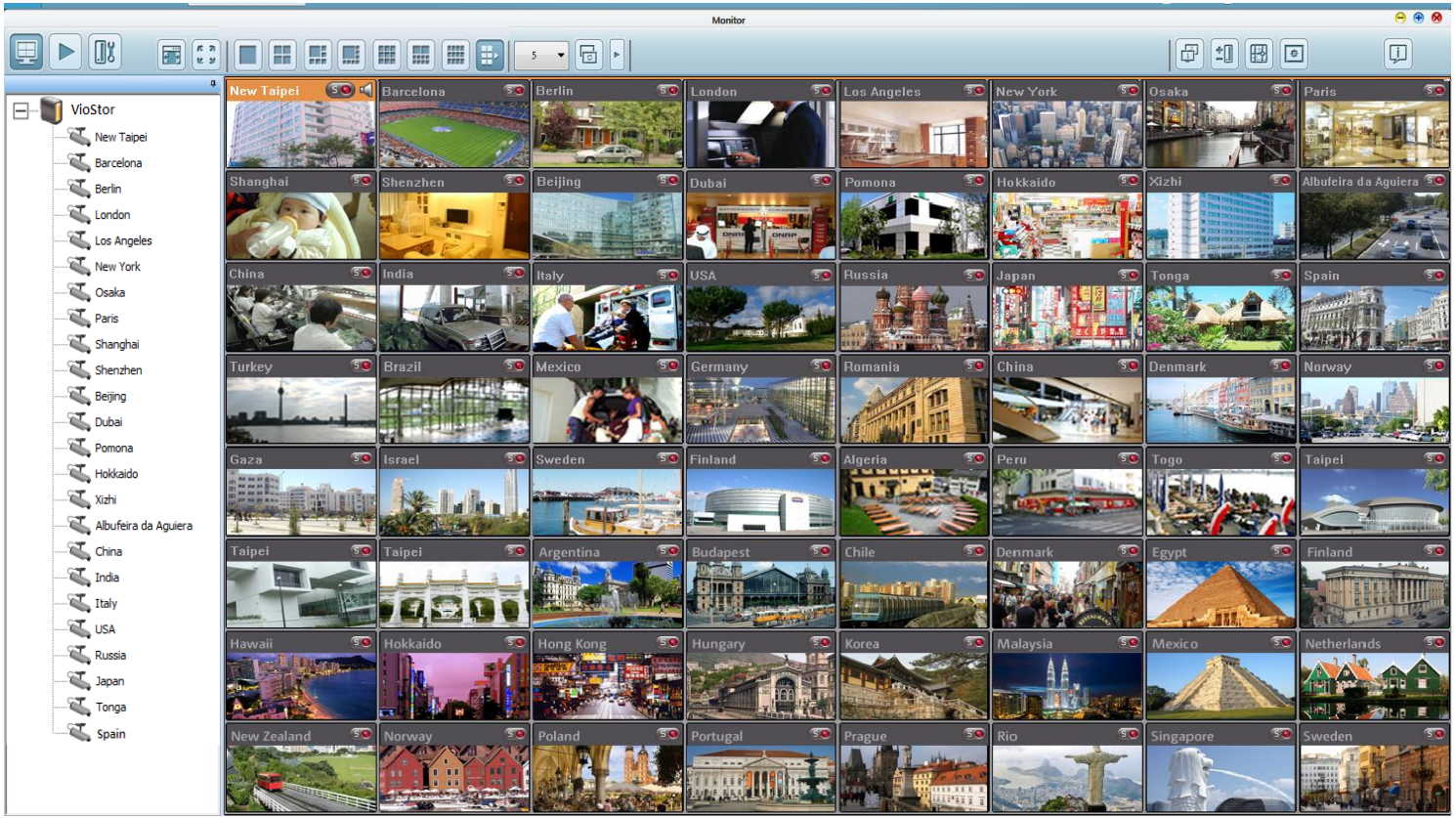
# Desktop-like UI

# Desktop-like User Interface

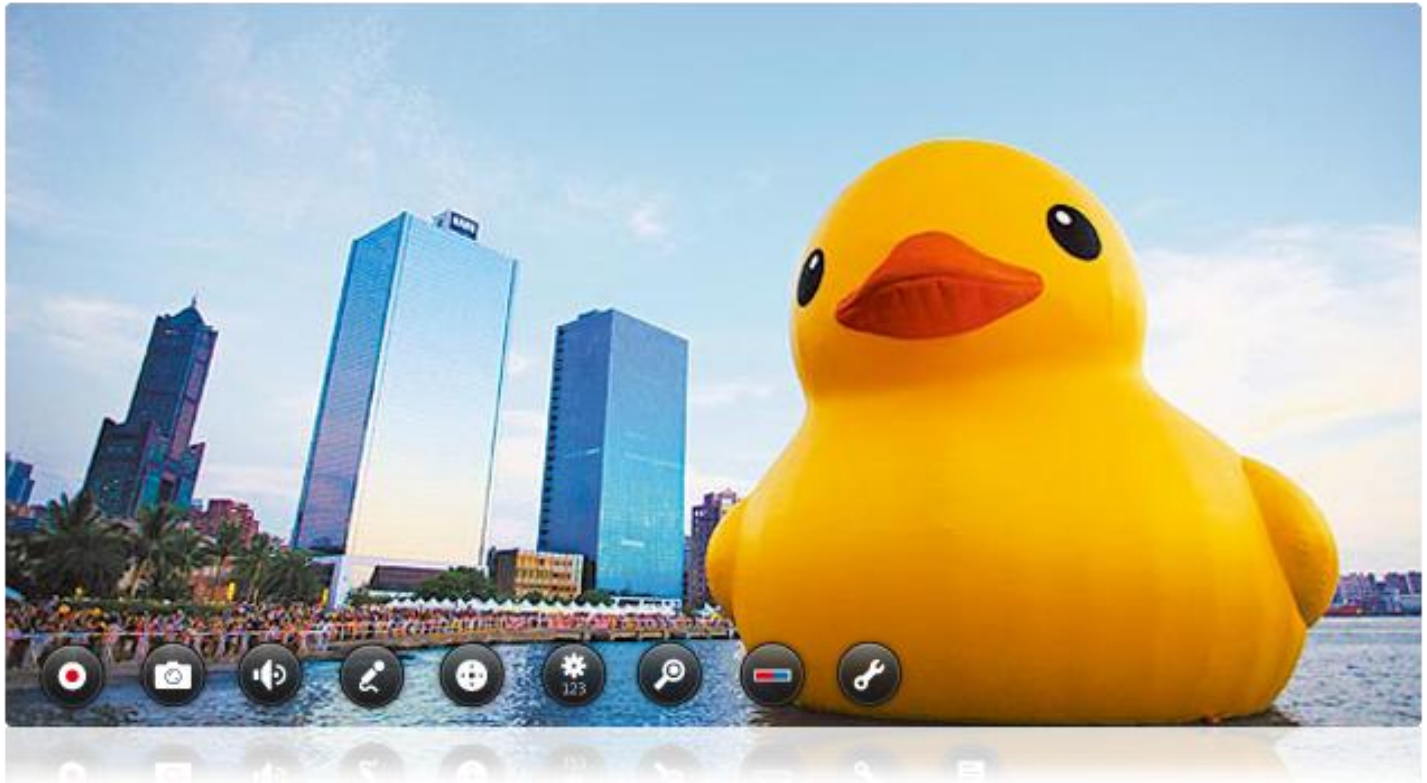
# Live View

## More Functions in Live View Page

# Optimized Live View Interface

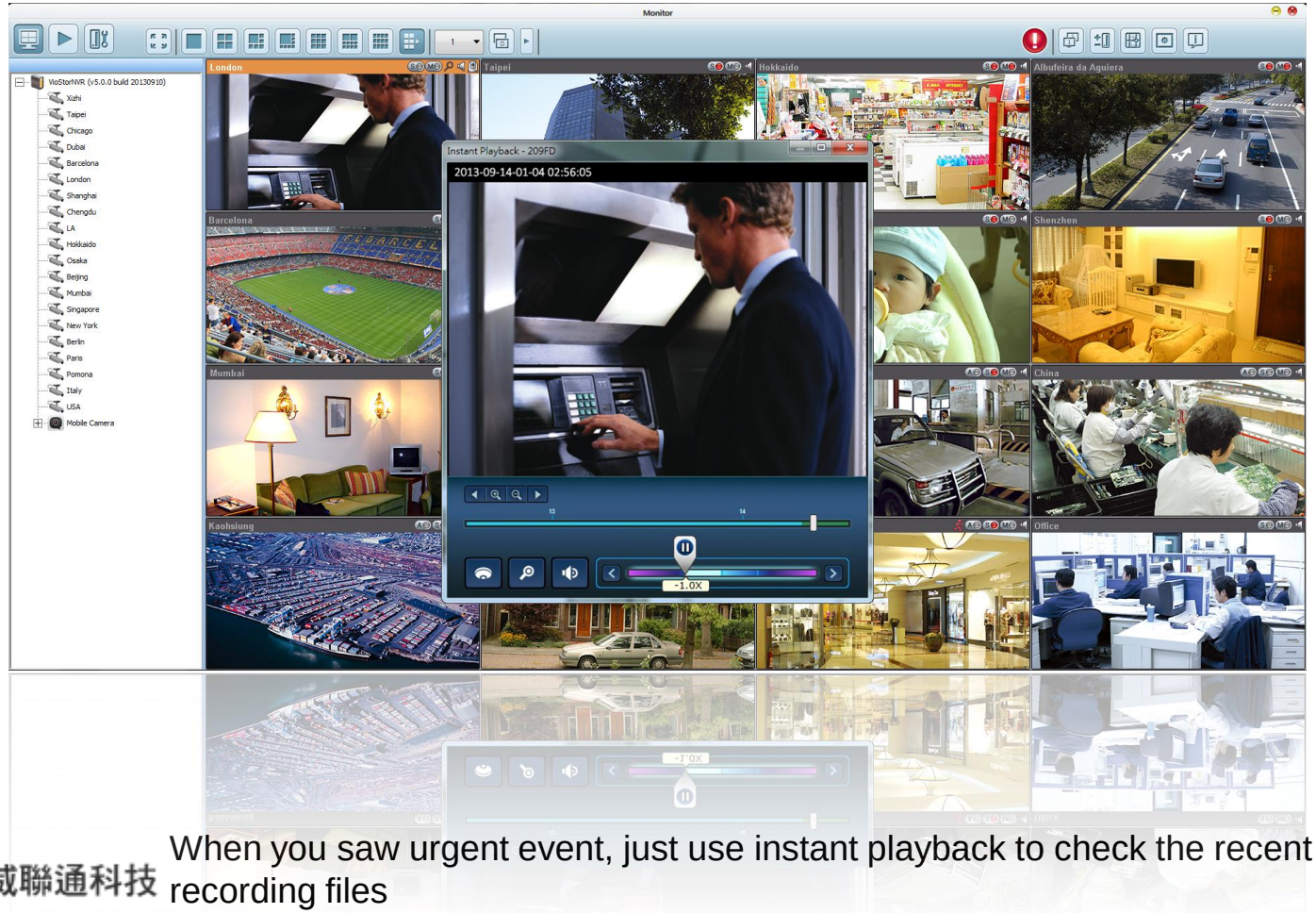


# Hover Tools



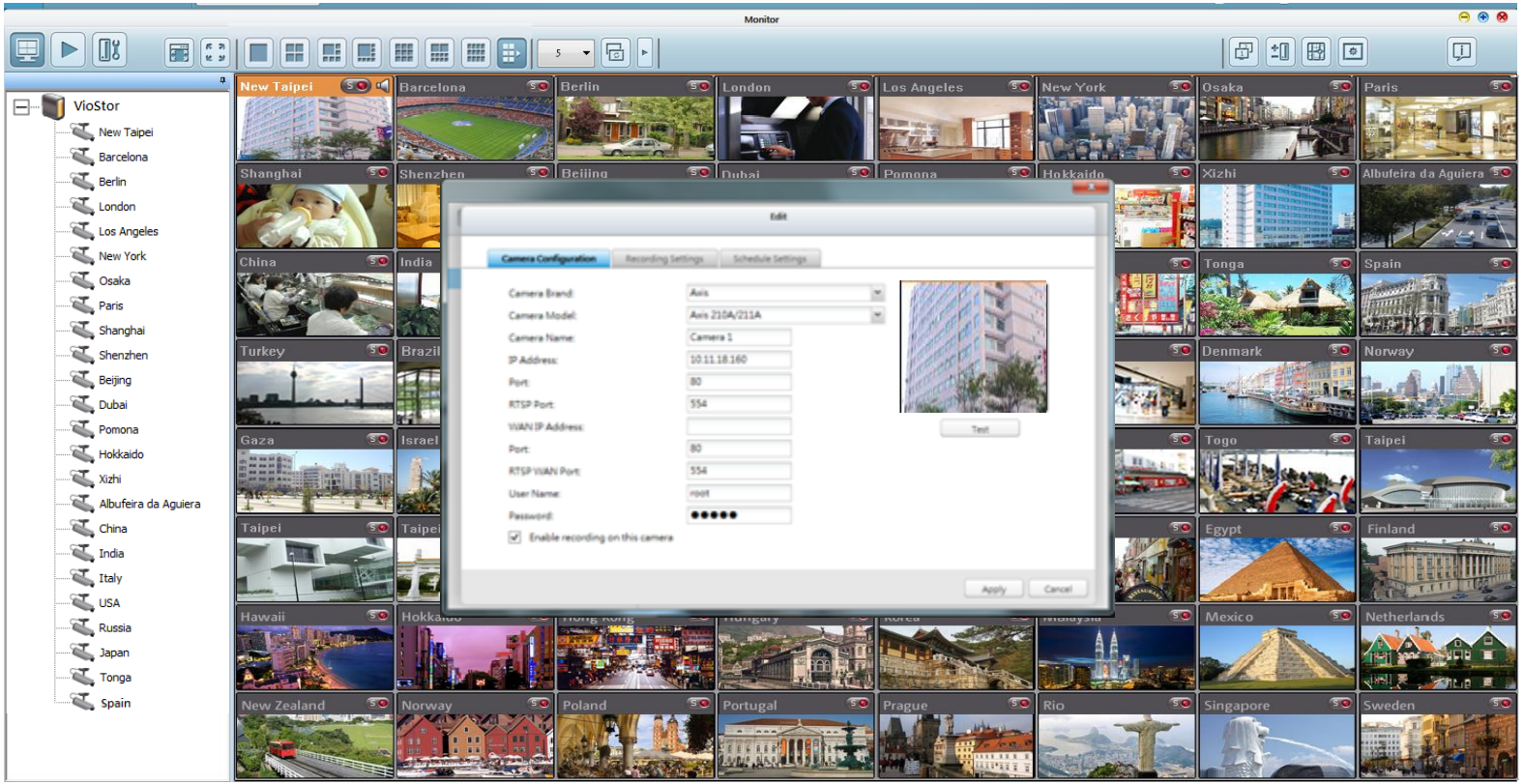
Keep the UI clean and simple by hiding controls by default and showing them only when user hovers over areas where they are needed.

# Instant Playback




When you saw urgent event, just use instant playback to check the recent recording files

# Online Editing

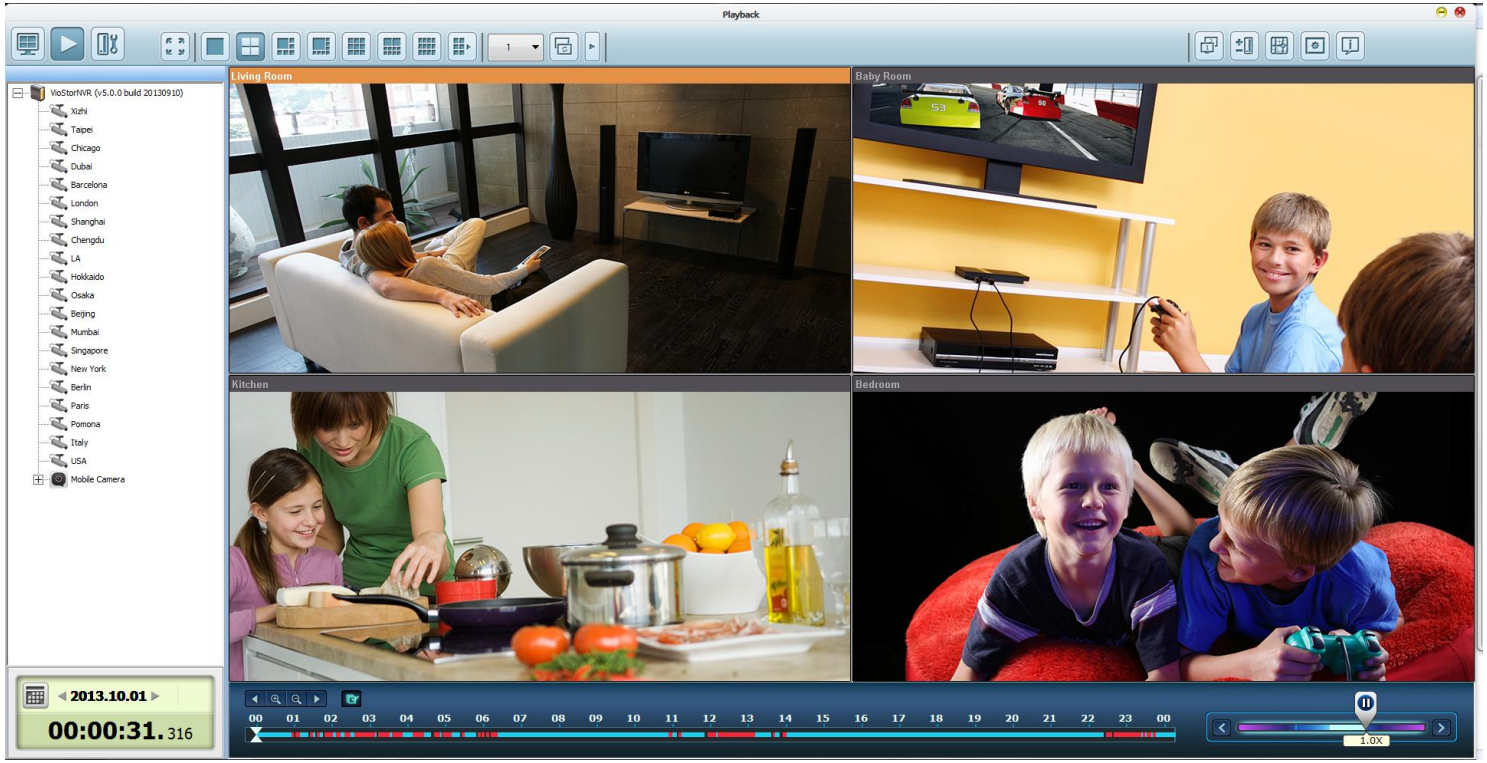



You don’t want to miss the urgent event when doing the configuration.
You can configure the camera, recording and schedule settings when you live view.

# Playback

Friendly User Interface for Playback Control

# Playback and Speed Control by Shuttle Bar



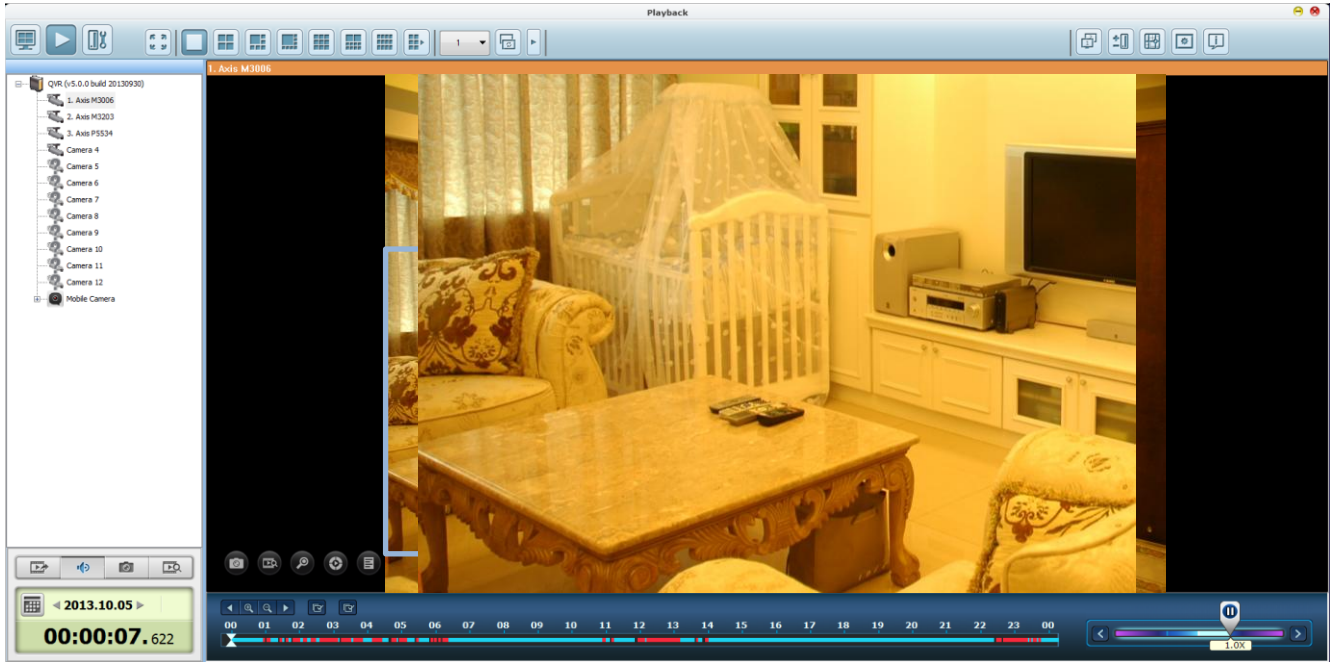



Play, pause, reverse, different speed control

# Video Preview on Timeline

Like what you saw at YouTube. You can see the video preview easily.

# Zoom Control by Rectangle or Gesture




You can draw a rectangle to zoom in or use mouse wheel to control zoom in/out.

# Extract Video for Export

Save to PC

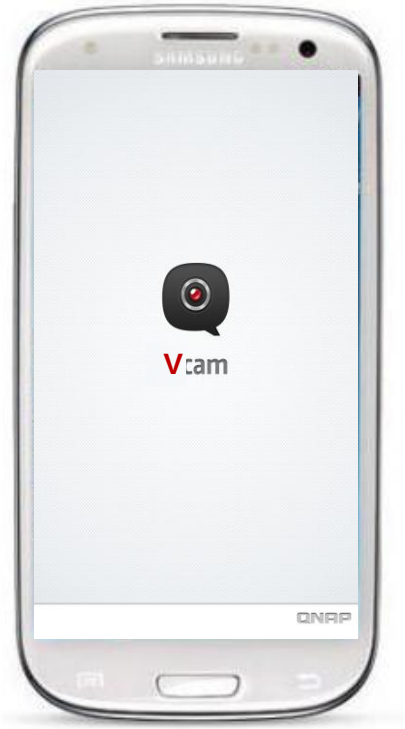
Upload to Youtube

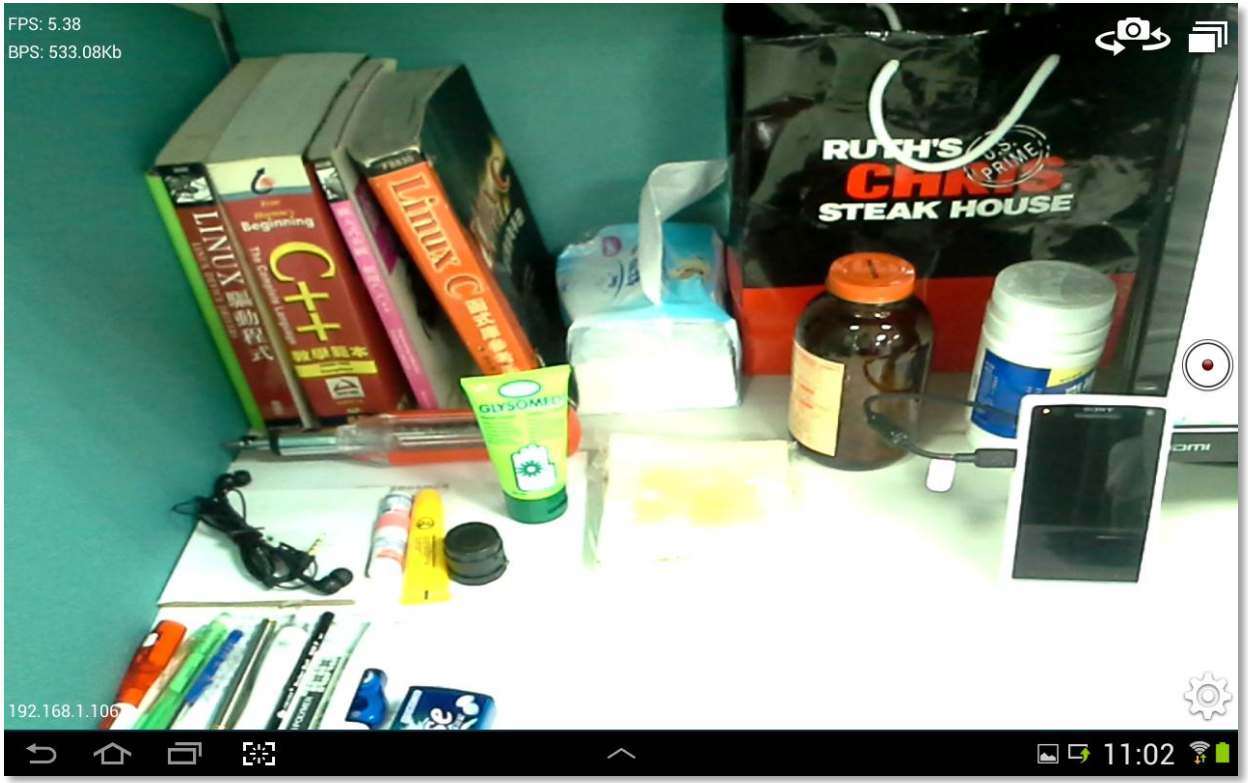
# Vcam

Record to NAS/NVR

# Vcam

## Turn your mobile cam as IP camera



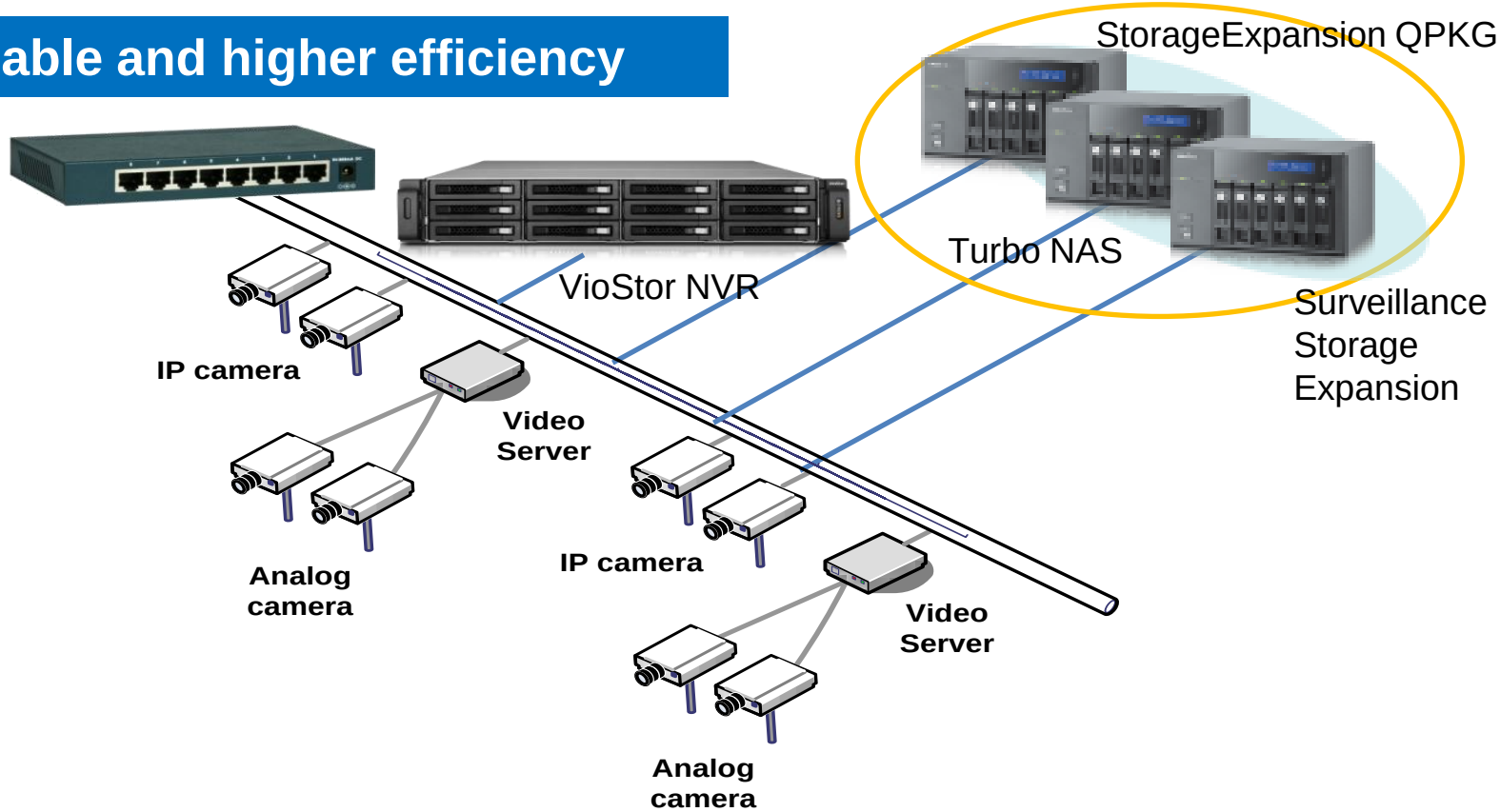



# Storage Expansion

Long-term recording

# Storage Expansion Solutions

## Scalable and higher efficiency




Applied series: QNAP VioStor Pro(+) series (FW v4.1.0 or above)
and Turbo NAS x69, x79, x70 series (only FW v4.0.2)

# Suggested Scenario

- To make sure NVR CPU can work well with both the recording and storage expansion, we strongly suggest the following limitation of recording network throughput for specific VioStor NVR series, and CPU loading can be reserved for storage expansion.
- For VS-2100 Pro+/4100 Pro+/6100 Pro+ series, suggested limitation of recording network throughput: 160 Mbps.
- For VS-8100 Pro+/8100U-RP Pro(+)/12100U-RP Pro(+) series, suggested limitation of recording network throughput: 360 Mbps.
- For VS-2000 Pro/4000 Pro/6000 Pro series, suggested limitation of recording network throughput: 90 Mbps.

# Surveillance Storage Expansion

VioStor NVR:
Up to 64 channels

+

Turbo NAS: Up to 64TB

For Camera $N_1$, Camera $N_2$……

Camera $N_1$: $N_1$ can be 1, 2, 3,... 64.
If $N_1$ is 3, Camera $N_2$: $N_2$ can be 1, 2, 4,... 64.

Turbo NAS: Up to 64TB

For Camera $N_3$, Camera $N_4$……

$N_3$ can only be the number other than $N_1$ and $N_2$. $N_4$ can only be the number other than $N_1$ $N_2$, and $N_3$.

Turbo NAS: Up to 64TB

For Camera $N_5$, Camera $N_6$……

Whooping up to additional 200TB mass storage

# Important Reminders

- Applied for QNAP VioStor Pro(+) series (FW v4.1.0 or above) and Turbo NAS x69, x79, x70 series (FW v4.0.2).
- NAS must be dedicated for surveillance storage expansion use.
- All NVR and NAS must adopt static IP address.
- Gigabit switch must be required for this application.

# Smart Recording

Save the HDD cost

High resolution video for evidence

# The SOLUTION

## Different Recording Modes

**BENEFIT : IMPROVE STORAGE EFFICIENCY ; REDUCE COST**

### System configured (for standard usage):

**NVR System automatically select and allocate video streams from IP camera for different use.**

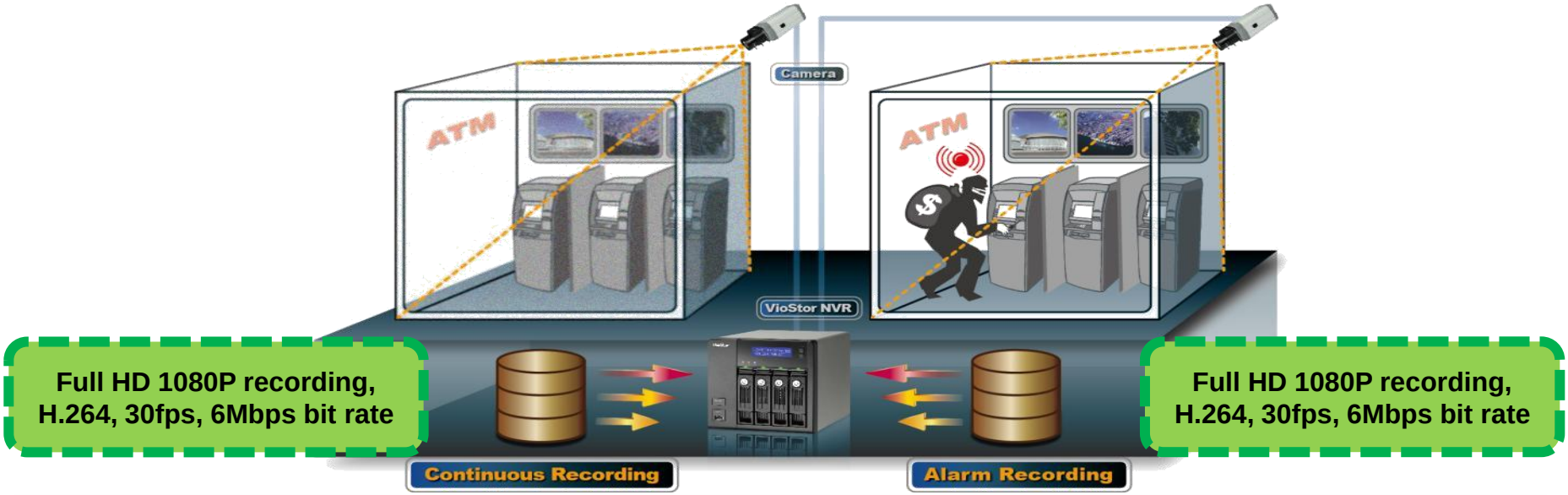
### User defined (for advance usage):

- **Round-the-clock Recording Mode**
  - **Regular and Alarm:** Record at defined video stream profile.
- **Smart Recording Mode**
  - **Regular:** Record normal routines in lower quality.
  - **Alarm:** Boost recording quality to include enough details for better observation.

# Round-the-clock Recording

## Use defined – Round-the-clock Recording

### Round-the-clock Recording Mode

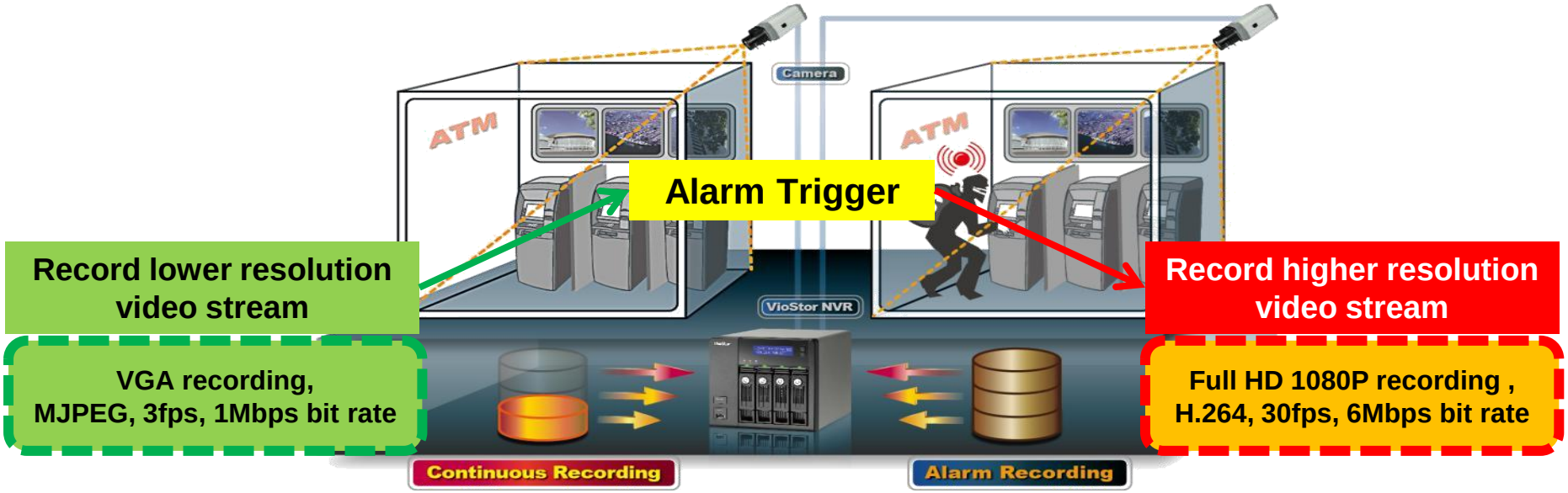



**Uses one/same video stream for both alarm and regular recording at same resolution and FPS at ALL times.**
**---> Same demand for storage space ALL the time. Little flexibility.**

# Smart Recording

## User defined – Smart Recording

### Smart Recording Mode




Dynamically switch to record higher resolution and FPS on alarm trigger.
Small bit rate stream for Regular Recording; high bit rate stream for Alarm Recording.
---> Higher demand for HDD storage space ONLY when an event occurs!

# Supported Camera Models

**AXIS**

M1014/ M1033/ M1034/ M1054/ M1143/ M1144/ M3004/ M3006/ M7010/ M7014/ P1204/ P1214/ P1353/ P1354/ P1355/ P1357/ P3353/ P3363/ P3364/ P3367/ P3384/ P5544/ P7210/ P7214/ P7224/ P8513/ P8514/ Q1602/ Q1604/ Q1921/ Q1922/ P5522/ Q6035

SONY
SNC-VB600/SNC-VB600B/SNC-VB630/SNC-VM600/SNC-VM600B/SNC-VM630/SNC-VM601/SNC-VM601B/SNC-VM631

**Vivotek**

PZ81X1/ SD81X1/ FD8134/ IP8133/ IP8132/ FD8136/ FD8131/ CC8130

# Important Reminders

- User cannot select the same stream as regular recording or alarm recording at the same time.
- Camera specification can affect stream content. When user changes one of stream settings, other stream settings could be changed. This is a camera limitation. For example, if user selects H.264 or Full HD as video compression in the stream 1, stream 2 only can support M-JPEG or VGA as video compression.
- Local display does not support smart recording related configuration.
- When user modifies the recording setting on the local display, the NVR will change the “Multi- stream profile” from user defined to system configured.
- Please estimate your internet status, smart recoding can consume more bandwidth.