QNAP CMS Add-on Video Wall

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Introduction

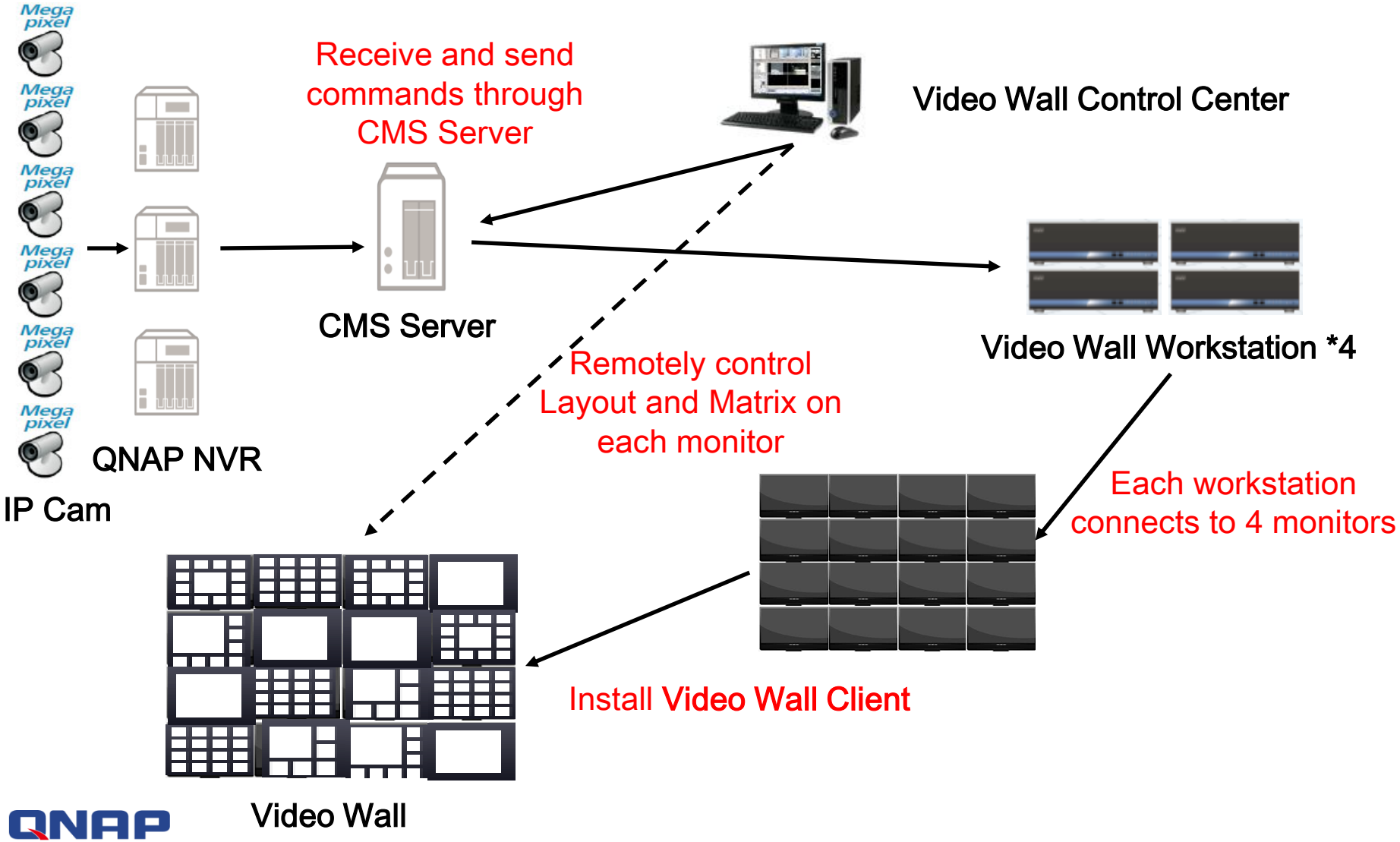
Background

- Traditional Video Wall
  - Computer monitors tile together contiguously or overlapped in order to form one large screen.
- Surveillance Demands
  - More and more channels and higher display quality brings out a larger scale of surveillance system, which offers users to manage a lot of video sources on screen.
- Goals
  - QNAP Security develop a security-purpose Video Wall solution to satisfy the need of high-end security system of monitor display, content control, and view layout.

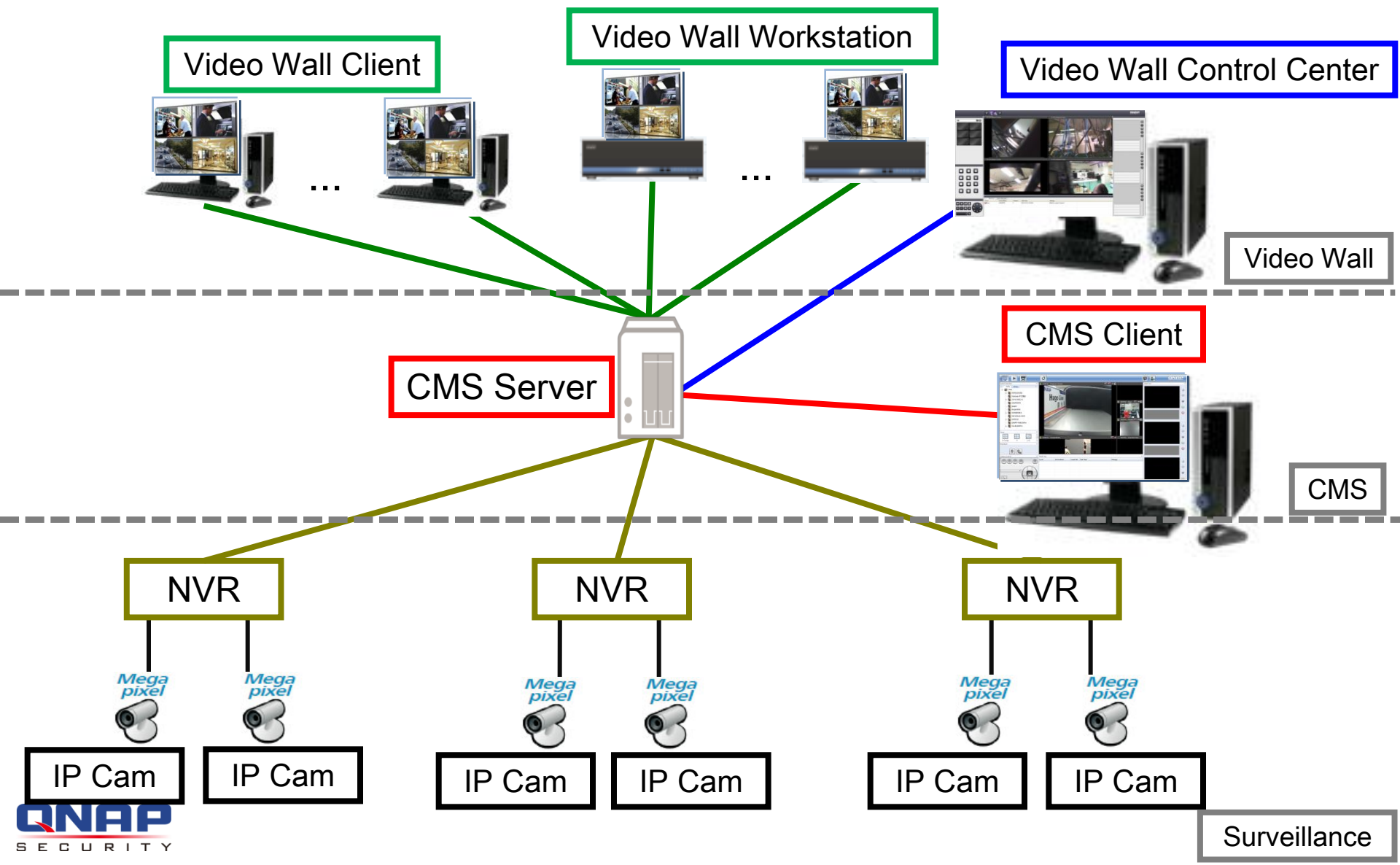
Definitions

- Video Wall Client
  - A software installed on PC/workstation to receive commands from control center and display the videos
- Video Wall Control Center
  - A software remotely controlling one or more Video Wall Clients or Workstations
- Video Wall Workstation
  - A machine finest-tuned with Video Wall monitor display

System Framework



Architecture



Interface Overview

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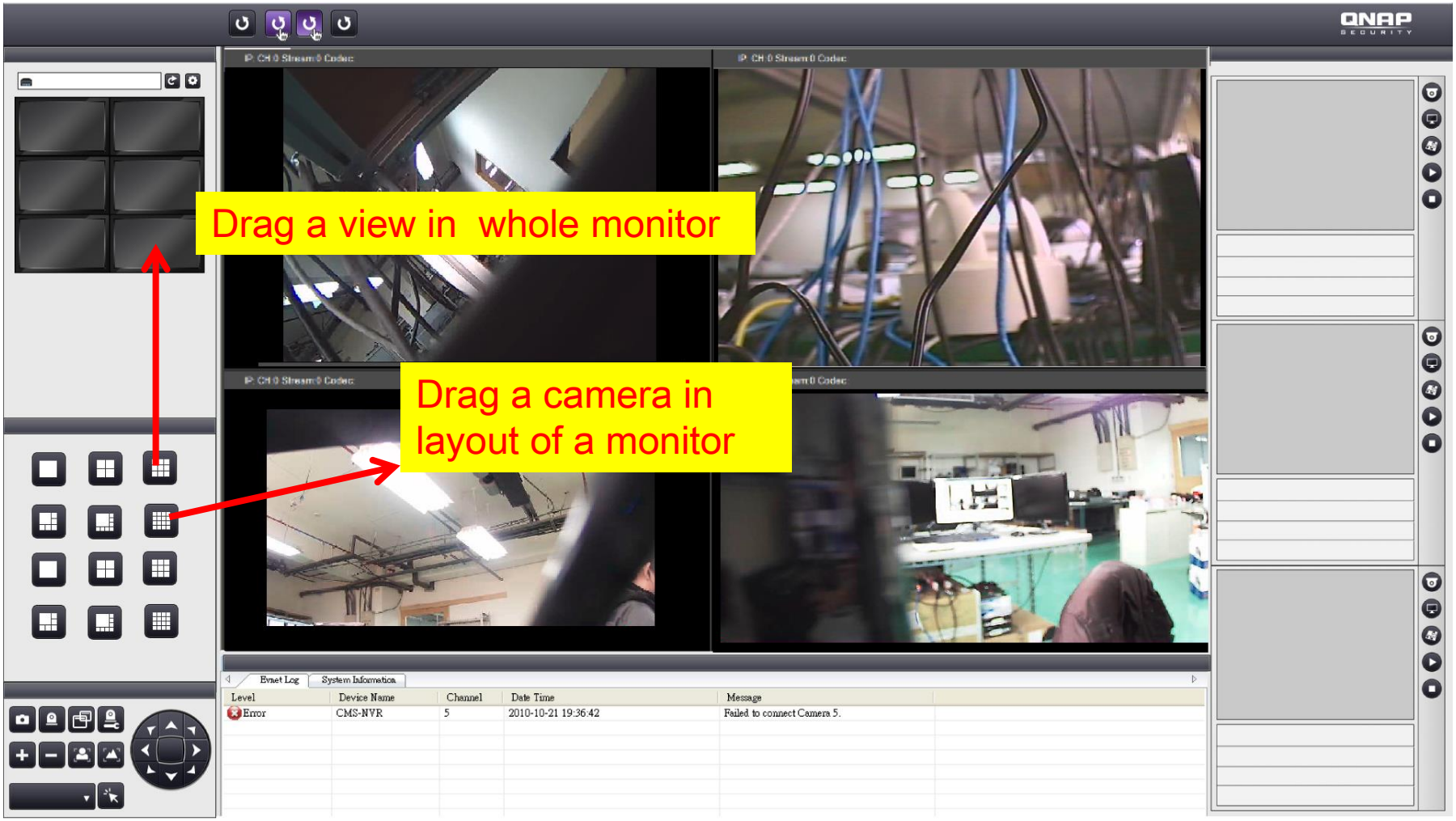
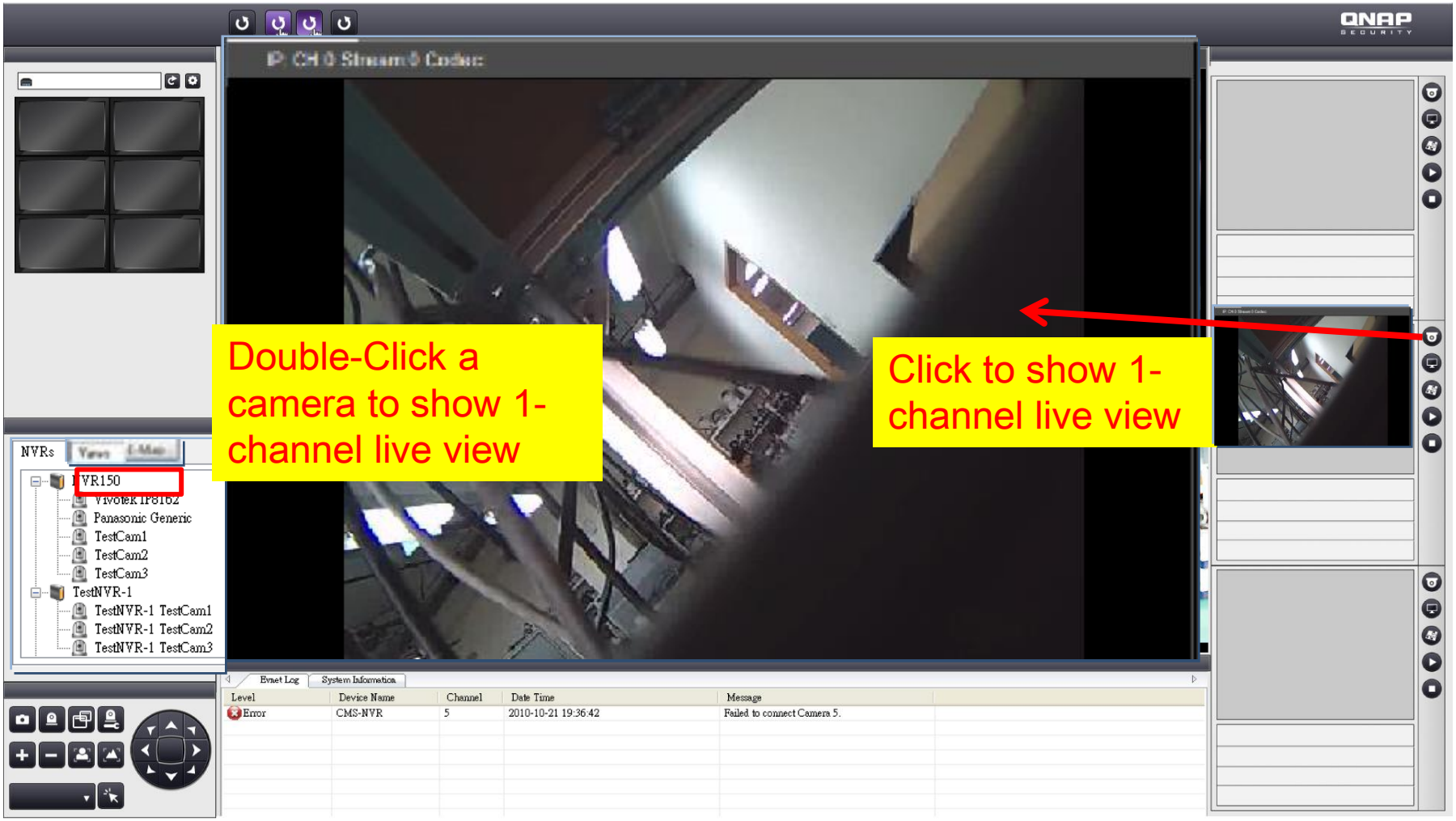
Video Wall Control Center

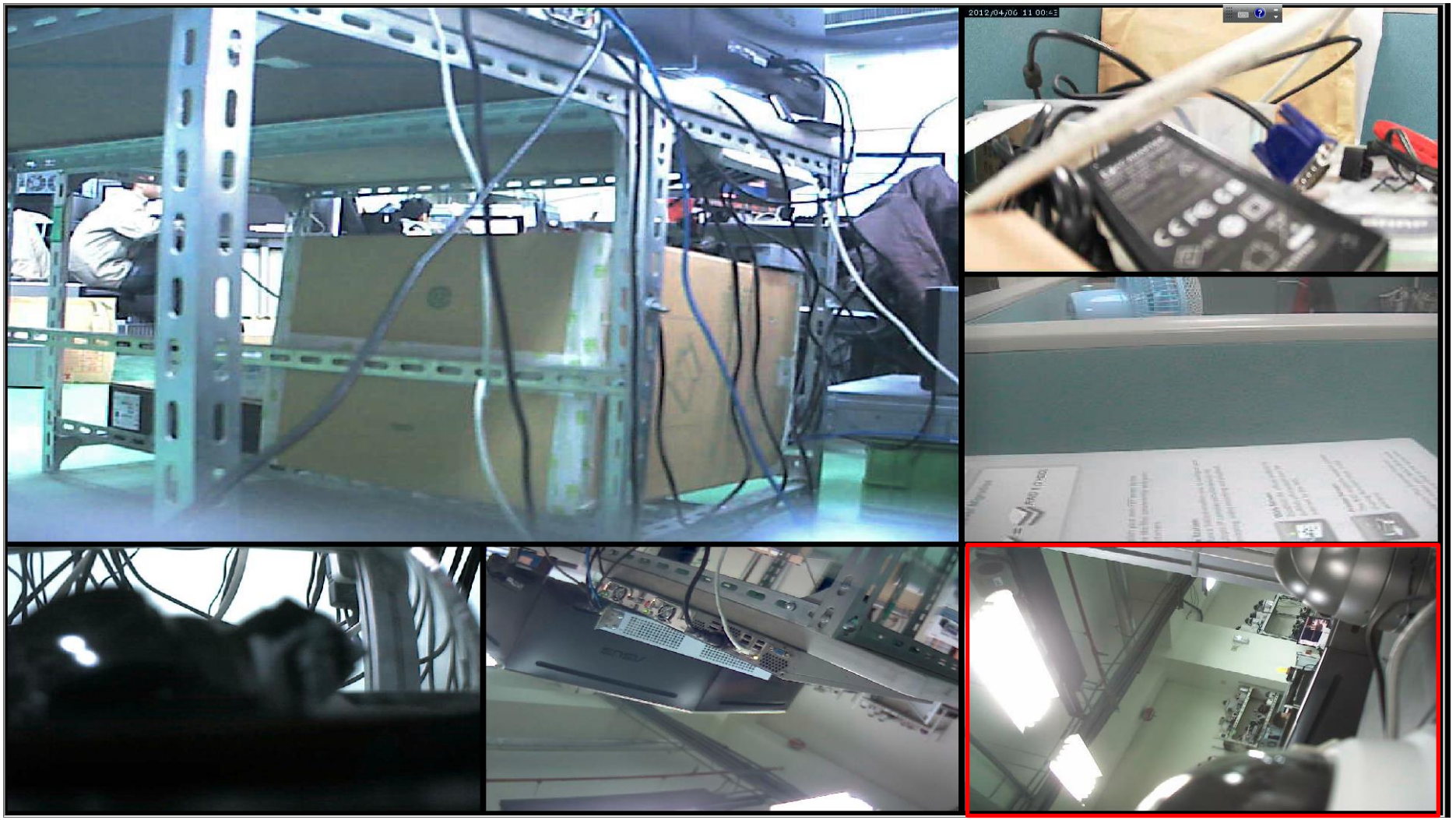
Drag and Drop



Single Channel Live View



Video Wall Client



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Summary

- Client/Server based architecture
  - Administrator software for remote client management and view update through CMS server
- Intuitive Control Interface
  - Simple content management software for view layout and placement
  - Manually drag and drop in monitor index or active view layout to update content easily

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