



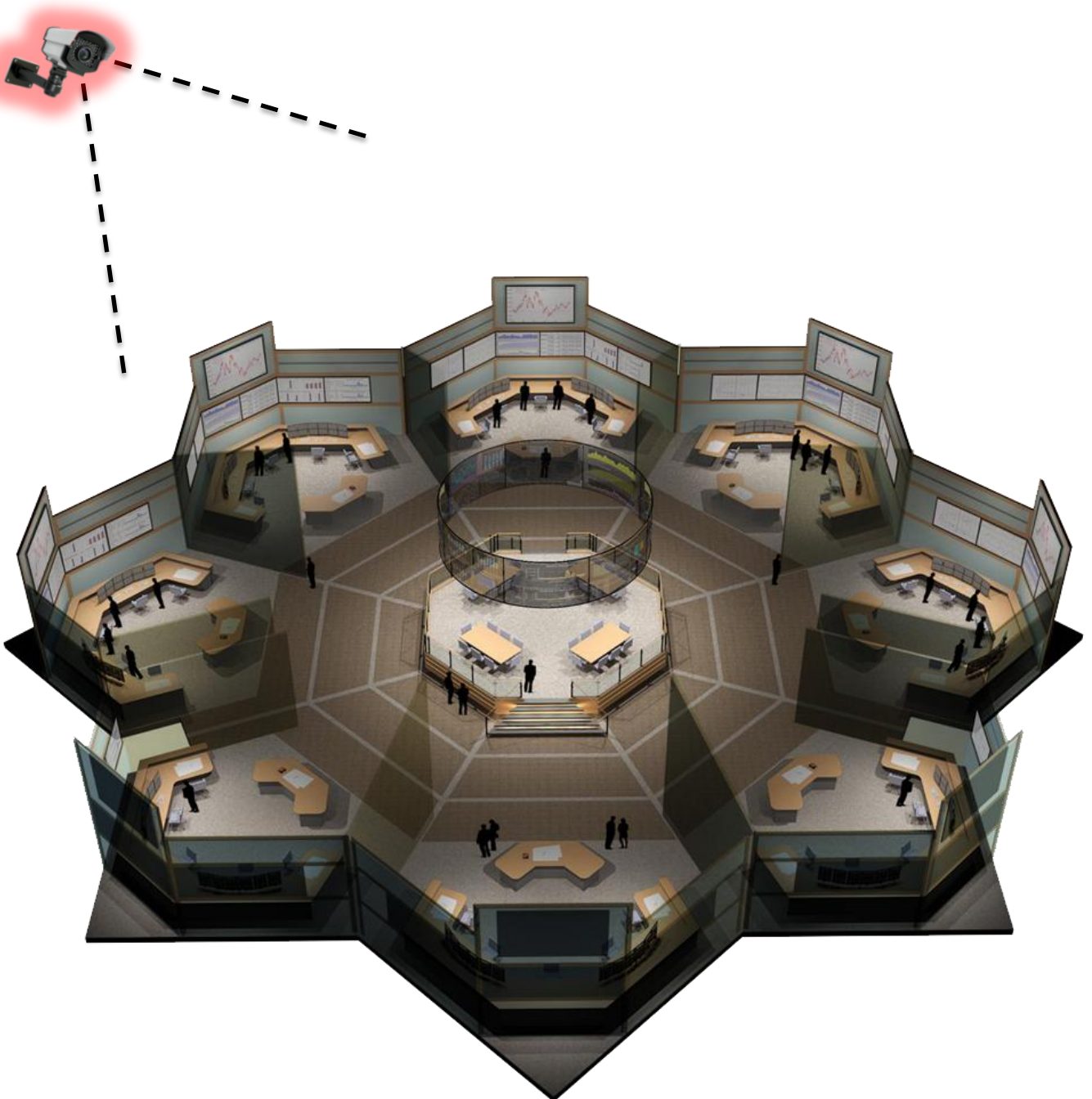
i2V Systems

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Intelligent and Integrated  
Video Solutions

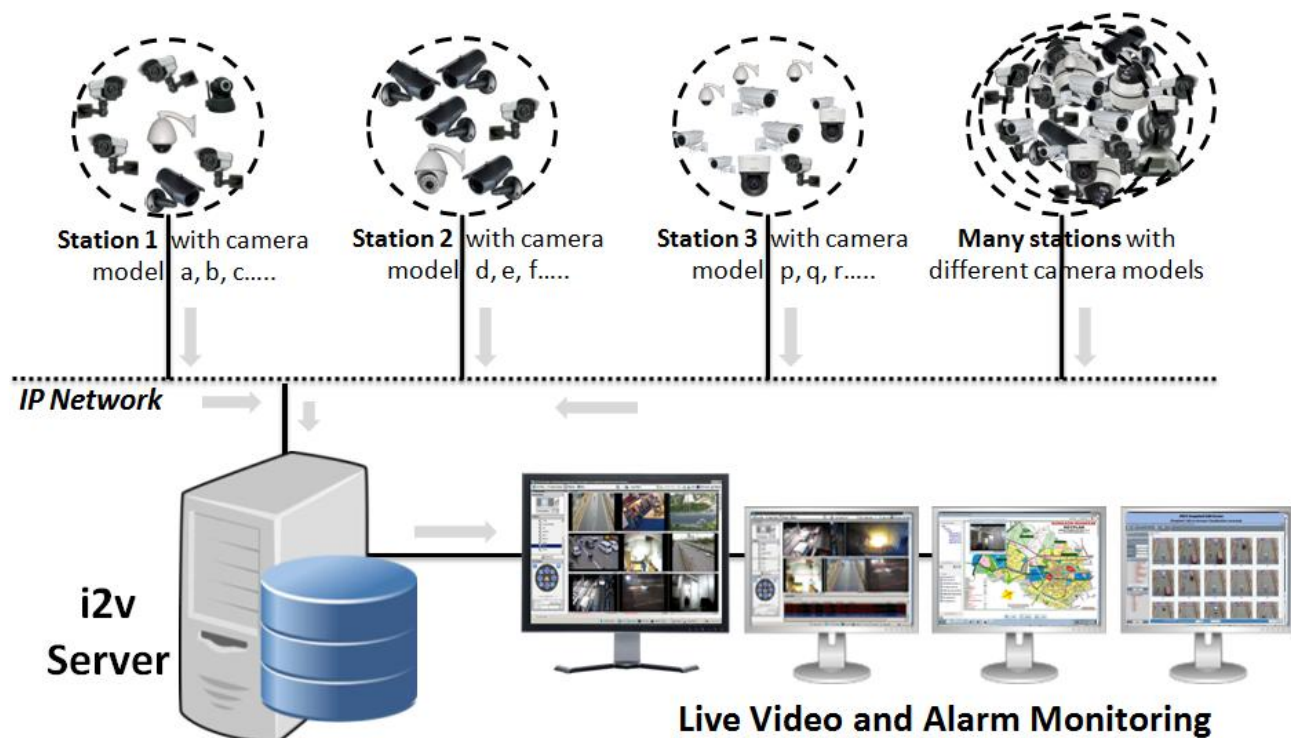
## Central Monitoring System

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## Central Monitoring System

Central Management or Monitoring system is a system which can connect all the cameras and third party devices located at multiple locations or sites at a central hub. Through CMS, you can view, control, receive alerts & notifications from any camera or third party device, located anywhere in the system and take pro active decisions.



### Central Monitoring of different Stations from workstation and Mobile Phones

i2V VMS acts as specialist software to be implement at places like Railway stations, City Surveillance, ATM s present in different locations etc for central monitoring.

The above diagram is showing, how i2V server can connect cameras located at different station through IP network and display them on the PCs located at central location

## Advantages of Central Monitoring System

1. i2V VMS is the only VMS which supports nearly 5000 different camera models of different brands. It helps user to monitoring all of its cameras through one video management software
2. i2V CMS possess the capacity to monitor unlimited number of live cameras simultaneously situated at any location.
3. i2V CMS provides the facility to group the cameras on the basis of station, location, area or any other basis. This facility helps user to search, view, or monitor particular camera with much efficiency and in less time.
4. i2V CMS provides advanced video analytics which helps user to keep track of thousands of cameras simultaneously from a single location. These video analytics helps in detecting breach, missed object, left object, fire or any kind of threat and thus help in enhancing the security level along with reducing the time and efforts.
5. i2V CMS provides the facility of sending alert on detection any breach or misfortunate event. The alert send by i2V VMS can be in form of pop up on screen, SMS, email to authority, sound alarm etc
6. i2V CMS can also define proactive response mechanism as per predefined rules, in case of any breach.
7. i2V CMS also possess E-maps which shows status of all cameras, devices and alerts. It shows the health of cameras, their Connect or Disconnect Status etc.

## Main Features

1. Centralized Video monitoring of Unlimited cameras spread across multiple branches and cities
2. Local recording at branch with High Quality Video and Low bandwidth streaming to Central station.
3. Groupings based on Branch, City, State, Country, Sensitive, Important branches.
4. Alerts in central station according to rules.- Email, SMS, Sound alert and Video Pop-up.
5. Option for Video Analytics alerts: Camera Tampering, Intrusion in branch, Missing object, Perimeter Violation, Image Enhancement.
6. Situation Management by defining appropriate actions and acknowledgement for alerts
7. E-map showing status of all cameras and alerts- camera alarm, Connect and Disconnect Status.
8. Alarm and Device status reports on hourly ,daily weekly or monthly basis

## Live and Alarm Monitoring

1. Live View possible for minimum 64 cameras simultaneously on 1 screen or multiple monitors using software video wall.
2. Option to change Live View directly from cameras or from VMS server using RTSP and HTTP options
3. Should view H.264, MPEG4 or MJPEG format at minimum 25 fps at minimum Full HD (1080p) resolution.
4. Supports RTP over UDP streaming
5. It should support live view and Playback from minimum 5 clients- Both local and remote.
6. Customized camera views based on :
  - User input number of cameras.
  - Grouping based on city, state and location
  - View sequencing with user driven time interval.
7. Digital Zoom
  - Both complete live picture and Zoomed picture should be visible simultaneously while zooming.
  - Zoom available on snapshots too.
  - View snapshots of each event
  - Reporting: Report of all events possible though bar and line charts.

## Graphical Maps (E-Maps)

1. Importing of maps supporting all standard image formats i.e. file types JPG, PNG, GIF, BMP
2. Supports Google Maps for location search and saving the map image
3. Unlimited level of linking of E-maps in hierarchical tree manner
4. Easy interface via Drag and Drop of the cameras on to the map
5. Camera blinking in case of event detection alerts passed by Management Server
6. Camera video stream disconnection detection and automatic display of the connection status
7. Any time Live view display of the camera video with just a mouse click of the Camera icon on Emap

## Multiple Remote Viewing

1. VMS supports multiple sites spread across WAN to be controlled and viewed from central location.
2. Option of redundant/backup recording at remote site through "ftp" protocol.
3. Remote Administration over internet.



## Administration

1. Automatic discovery of devices using UPnP and/or ONVIF
2. No software limit on number of cameras supported in single server
3. Add all cameras with single click. Apply settings to multiple cameras of same model with single click.
4. Automatic Health check up and activation of optimization modules once CPU reached more than 85%.
5. Add multiple recording servers under same management server.
6. User role based cameras and feature access. Define users with passwords and access to only specific cameras
7. Complete server logs including login access, system settings change, archiving events, video or recording loss and all activity done by administrator or any other user in the system.
8. Ability to integrate with other devices by either sending events from VMS or receiving events from other devices. Event SDK support required from VMS. Events from VMS and Video Analytics should be able integrate with third party applications.

## Device Support

1. Should support multiple brand IP camera and encoders. No restriction on camera hardware.
2. Should support ONVIF protocol

## Streaming

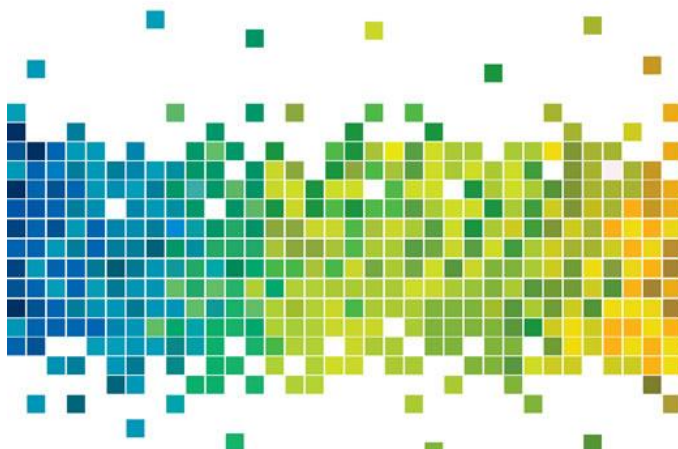
1. Option for RTSP and HTTP streaming or both simultaneously at individual camera level.
2. Option to Transcode to lower bit rate stream at recording server level. The lower bit rate can be done for any individual camera and options of resolution at 640x480, 320x240 and Frame rate at 20 fps, 10 fps. This helps in viewing video at low bandwidth.
3. Authentication parameters (username, password) for streaming to remote clients.



## About i2V

i2V stands for Intelligent Integrated Video. i2V is a technology R&D company focusing on design, development and production of Intelligent Surveillance solutions. i2V specializes in development of Proactive Video Surveillance products with an aim of providing high quality software engineering solutions.

## Our Supported IP Camera Brands



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