



Video Management Software

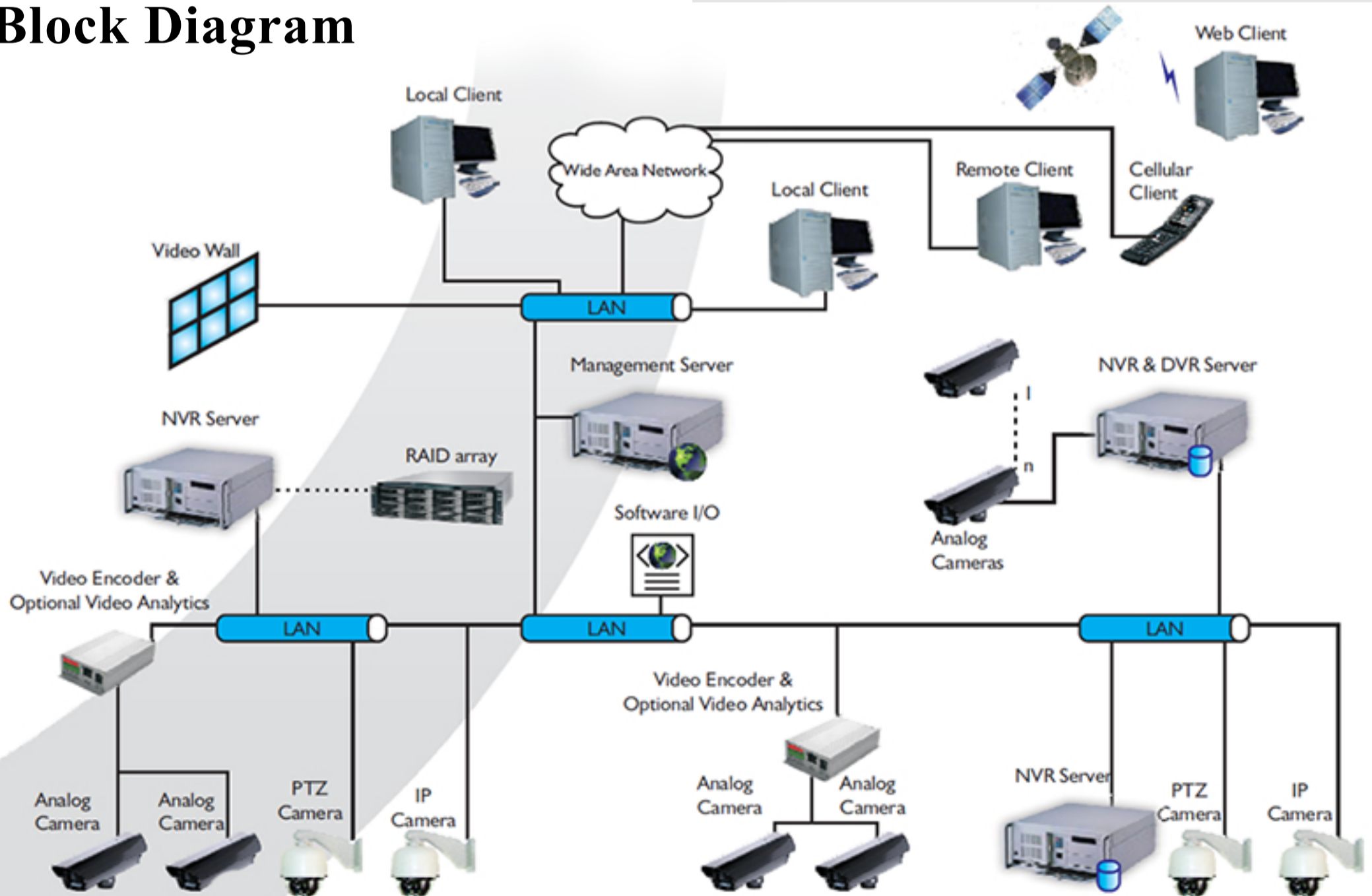
NVMS is an enterprise class state of the art networked video management & recording software. This software enables users to provide scalability and flexibility to build large robust video surveillance systems. It offers easy, intuitive, intelligent human interfaces for easy deployment&operation.

This software is adaptable to diverse scenarios, environmental & operational challenges to provide the user a highly reliable, truly versatile, enterprise class video management&recording suite.

Features

- Hardware Independent
- Flexible Distributed Client Server Architecture
- Endless Scalability
- Friendly & Intuitive User Interface with Logical Channel Grouping
- Comprehensive Alarm Management
- Revolutionary 2.5D Dynamic Live Video Maps
- Real time Object Tailing
- Up to X16 Fast Forward, Fast Reverse Playback Speeds
- Video Wall – Virtual Matrix
- Mobile Client
- Server Managed Multicast and Multi-Unicastv

Block Diagram



Specifications

ARCHITECTURE:

- Distributed Client / Server

INTEGRATION:

- Video devices - Capture cards, encoders, decoders, IP cameras and Mega Pixel cameras
- PTZ cameras and keyboards - All major PTZ protocols
- Third party applications - High level interface via software I/O API
- Multi - video content analysis software
- RFID / Barcode

VIDEO:

- M-JPEG, MPEG-2, MPEG-4, H.263, H.264
- Upto 15Mbps per channel
- Upto 4CIF@30FPS
- Transcoding Engine for low bandwidth remote client connection

EXPORT:

- AVI - To be played with any Windows Media Player, with no software installation as a prerequisite
- Native - Original recorded stream to be played with a standalone player application with Authenticity verification

ACTIONS:

- Recording - Start recording, Change recording profile etc.
- VideoWall / Control Center Popups - Channel, layout, etc
- Email notification -Text, snapshot, video clip
- PTZ - Multiple camera preset recall
- Hardware / Software output activation

REMOTE ACCESS:

- Control Center with user selectable connection speed
- Web Interface with user selectable access speed
- Multi System control Center with user Selectable access speed

AUDIO:

- Full / half Duplex
- G.711

DISPLAY:

- User selectable system predefined split screen modes:
 - 4:3 - 1, 2x2, 3x3, 4x4, 1+7, 2+8
 - 16:9 - 1, 3x2, 4x3, 5x4, 1+11, 3+18
- User configurable custom layouts - Players, graphics, text, controls etc.
- Display presets for system and custom split screens with assigned channels
- Auto-hide overlay of capture and recording control
- Time&date overlay with on/off and position control
- Multi Monitor support
 - Client Workstation - Unlimited number of detached layouts typically up to 4 monitors per workstation
 - VideoWall - Up to 4 monitors per VideoWall PC, unlimited number of VideoWall PCs per System via Virtual Matrix
 - 2.5D Live Video Maps on dedicated monitor

NAVIGATION TOOLS:

- Logical grouping channel tree with filtered views
- 2.5D Live Video zoomable map
- Image Content Navigation

STORAGE:

- Multiple HDD/ Partition support
- Network HDD support

RECORDING AND PLAYBACK:

- Manual, event and scheduled system recording
- Recordings of displayed channels
- Instant playback of up to 10 minutes
- Synchronized/unsynchronized playback of all displayed channels
- Normal, X2, X4, X8, X16, frame forward and reverse playback
- Search by channel, time, date, motion and events

LOGGING AND REPORTING:

- System health diagnostic, messaging and logs
- Alarm events messaging and logs
- User activity audit trail
- Log viewing and report generation application with filtered search engine

USER MANAGEMENT:

- User database with login, password and contact details
- User profiles with configurable permissions and access settings
- Dual login option for selected features

ALARM MANAGEMENT:

- Manual and scheduled trigger arm/disarm
- Interactive alarm stack
- Events
 - Configurable system events - Server /HDD/ device failure
 - Configurable device triggers - Digital I/O, VMD, VCA, Video loss etc.
 - Configurable soft I/O triggers - Third party applications, high level interface
 - Configurable third party video content analysis events

