NetWatch® *Intelligent Video Solutions*
Enterprise SMS

**Advanced Research & Technology Ltd**

The Enterprise Security Management System (SMS) provides the human interface to networked recorders, data servers, encoders, cameras, database management servers, video wall servers and video analytics servers.

The Enterprise SMS enables operators to process events, actions and to construct incident time line information for evidence generation. The Enterprise SMS provides control over all system functions, device information, including visual, audio and digital. It provides the tools to extract and download evidence in a secure and fully traceable format and provides a comprehensive management reporting capability.
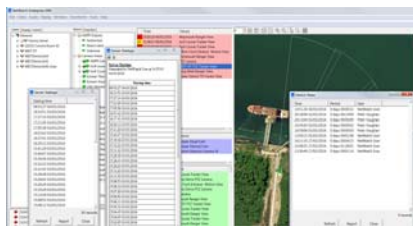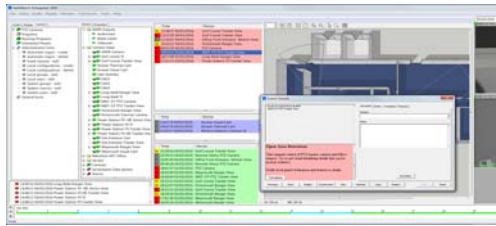
Enterprise key features include:-

- Manage events: video, audio, digital, SNMP, OPC, 3rd party UDP & TCP messages
- Create incident timelines from a set of events, full device time synchronisation assured
- Improved operational efficiency by use of operating procedural prompts and automated responses
- Access to and reporting of incidents, events, user access and system status information
- User configuration limiting access to system functionality
- Profile configuration allowing personalised look and feel
- A powerful Data Base Management System (BDMS) that records all event, user activity and system status information
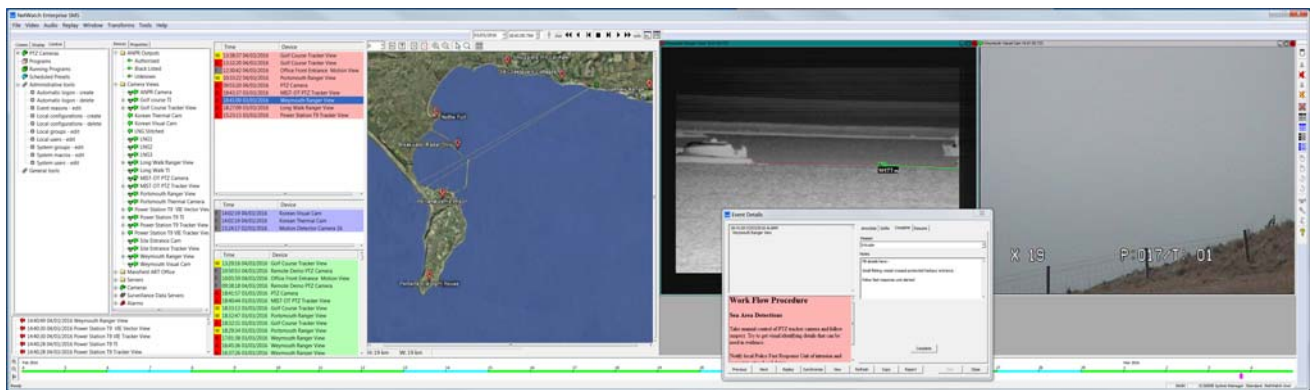
The NetWatch suite is flexible and capable of integration to third party equipment. This is an area of continual development to improve systems interoperability with third party equipment, current supported interfaces include:-

Protocols & 3rd Party Interfaces:
- SNMP polling and traps
- OPC alarms and events
- High impedance digital inputs
- Third party SDK

Video / PTZ / Audio:
- RTSP RTP ONVIF
- HTML
- PAL / NTSC

The Enterprise SMS in conjunction with our mapping feature, Camera Interface servers and MIST servers, provide a real world co-ordinate system placing cameras within the map and targets in relative position within a camera's field of view. Tracking of lone guards is also available using GPS phone data and plotting the guard's position onto the map.

Event and/or fault information can trigger the generation of SMS messages directly to a responders phone, dramatically reducing incident response times; alternatively these triggers can send emails if a response is not so urgent.

Contact: Sales Tel: 01489 892030 Email: sales@ar-t.co.uk Web: www.ar-t.co.uk

Features

- Camera view selection
    - Normal
    - Motion or Tracking
    - Replay
    - Normal + transform processed
- Camera auto cycle definition tools.
- Dual viewing of camera video
    - Review of recorded video
    - Normal real time.
- Review of recorded video
    - Time synchronized set of cameras
    - Individual cameras non synchronized
- Evidence extraction traceability & authentication
    - Time synchronized across recorders
    - Download to local SMS evidence safe
    - Device GUID tree topology
    - Bitwise encoding MD5, SHA1, SHA256 and SHA512
    - Encrypted authentication certificate
- Event Database Management System
    - Events colour coded by type & priority
    - Linkage to response procedure and action taken log
    - Alarms linked to device, time and date
- Operator activity logs – time stamped
    - Logged on / off
    - Cameras viewed / reviewed
    - Data downloads made.
- Remote recorders and servers
    - Configuration
    - Restart
    - Close down
- System tools
    - Video frame clipboard capture
    - Recorder, and Server time synchronisation
    - DBMS management
- Audio Communication
    - Full duplex point to point voice
    - Broadcast pre-recorded messages
- User privileges
    - User groups and profiles
    - View and Review
    - Configuration of SMS features; PTZ movement, tours and presets, audio, camera cycles, display arrangements
    - Recorder, Server, Encoder, configuration features; include camera naming, camera grouping etc.
    - Video data download
    - Engineering; full control

Operator Usability

- Operate using the map tools
    - Open camera views by clicking on map icons
    - Open camera views by clicking in camera FOV depicted on the map
    - Move PTZ camera by clicking anywhere on the map (all PTZ cameras in area can move to target area)
- Operate using the navigation tools
    - Open camera views by clicking on camera icons
    - Review alarms by clicking on an alarm event (opens the cameras associated with the alarm and switches to review mode and sets the time and date to the alarm event time)
- Operate using dynamic PTZ control
    - Click and drag window size to zoom in to an area
    - Point and click in image.
- Group cameras
    - Geographic area
    - View category
    - Site
- PTZ camera control - click on the camera view
    - Hover the pointer over the camera view, the cursor will change to a direction indicator, click and the camera will follow. Zoom in and out using the mouse wheel.
    - Joystick full progressive movement of PTZ
- Access to logs and event data
    - Click on the log icon of the recorder or encoder to open a real time window of the log.
    - Use search filters to remove unwanted information
    - Click on any event in the current, deferred or completed tables to view device, response procedure and action taken data
    - Online review of recorded video data without interrupting the recording process.
- Access to DBMS event information
    - Event text and synchronised video with one click
- Incident download
    - Download wizard ensuring ease of use and maintained information security
- Improved vigilance by
    - One click feature operation
    - Task automation
    - Clear layout and responsive software