Hikvision Mobile NVR+ Swarco AVM Integration Solution
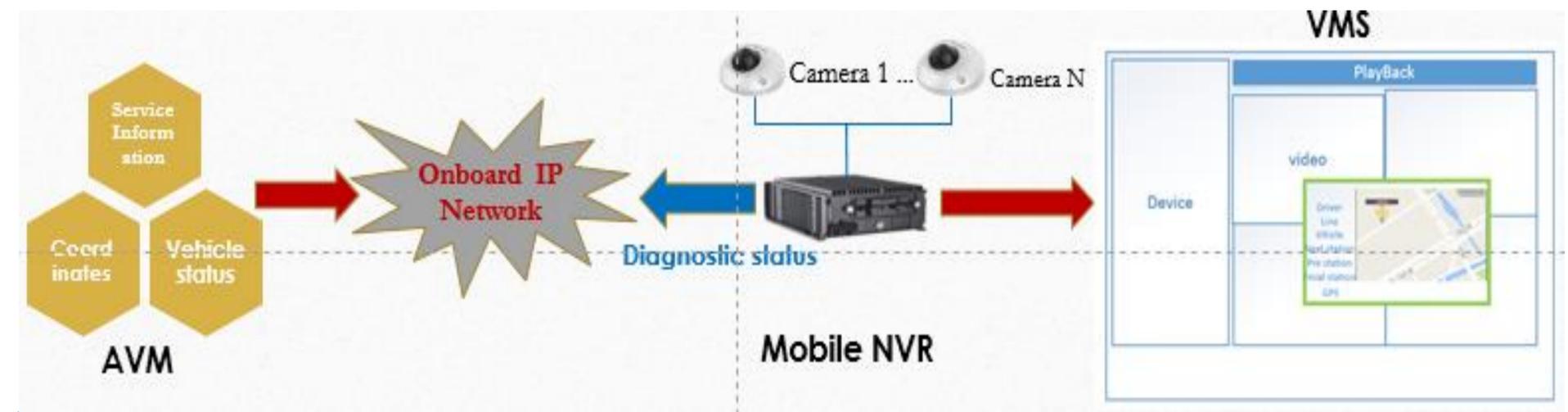
Solution In Nutshell

Requirements

1. **Logic and diagnostic status:**
   The MVR publish information about **logic and diagnostic status** of the entire CCTV system (cameras, disk, etc.).

2. **AVM Message:**
   Swarco AVM dispatches **coordinates, vehicle status, service information** based on ITXPT and protocol MQTT.

3. **VMS playback windows:**
   A windows in playback interface of iVMS client to show related information

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Swarco

Introduction to Swarco AVM

The Automatic Vehicle Monitoring (AVM) is a system that allows to monitor different information relating to moving vehicles (e.g., position, route, speed, diagnostics). It is a system similar to the telemetry used in motor racing, but is used for the management of vehicles of local public transport fleets.
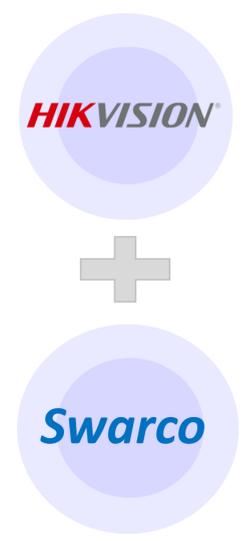
System Architecture

■ **Hikvision Mobile NVR+iVMS and Swarco AVM**
- AVM and Mobile NVR are connected through ethernet switch (on the same LAN network).
- The communication between AVM and CCTV system based on **ITXPT** standard and protocol **MQTT**.
- After receiving information from AVM, Mobile NVR sent it with video recording stream to iVMS 5200M platform. **The video monitoring platform can display bus dispatch information.**

Product Showcase

DS-MP7608HN series Mobile NVR
- 16-ch HD1080P
- H.265
- 9~32VDC power input
- RTSP Stream
- ITxPT, MQTT

DS-2XM6726FWD-I Mobile Camera
- 1920x1080 resolution
- H.265
- 120dB WDR, ICR,
- Up to 30m IR range
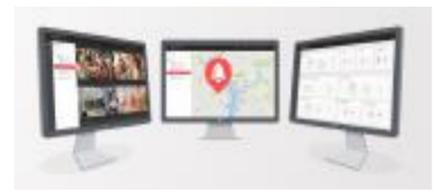
IVMS 5200Mobile
- Real-time video and playback
- GIS Map
- Alarm center
- Health Monitoring

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