3G DVR Unit

Mobile Video/CCTV Solutions

3G Digital Video Recording

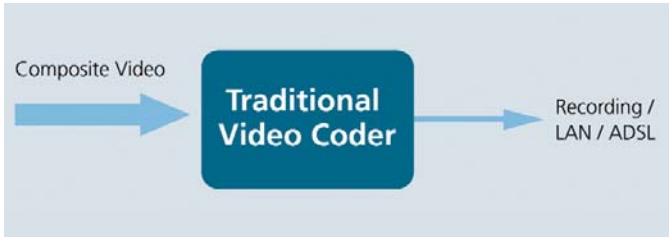
3GMDVR is a robust video recording server designed for fleet security applications. By using the award-winning SMAC-M multi-streaming video compression technology, 3GMDVR delivers no compromise performance on simultaneous recording and transmission via a mobile network.

Features

- 4 video, 16 alarm inputs; 4 relay outputs.
- Recording up to 25/30fps on D1; 100/120fps on CIF resolution.
- Live monitoring via HSDPA, UMTS, EDGE and GPRS (require mobile data modem).
- Playback and video extraction via WiFi (require WiFi gateway).
- Fast detachment and shock protection design.

3GMDVR can continuously record videos of every single detail during the vehicle in service. By connecting 3GMDVR to a mobile data modem, the driver can push a button to trigger the 3GMDVR to send an alarm and seamless video back to the central monitoring station via mobile networks such as HSDPA, UMTS, EDGE or GPRS in an emergency situation. In conjunction to a WiFi gateway, the recorded data can be reviewed and extracted to the central storage server via a WiFi network after the vehicle returns back to the depot.

Traditional Video Coding Technology: M-JPEG, MPEG-4



SMAC-M: Multi-stream Video Coding Technology

Good quality recording requires high bit rate which results in poor remote performance.
Fast remote transmission is achieved with very high compression rate which inevitably degrades the video recording quality. The bursty channels often affect recording performance.

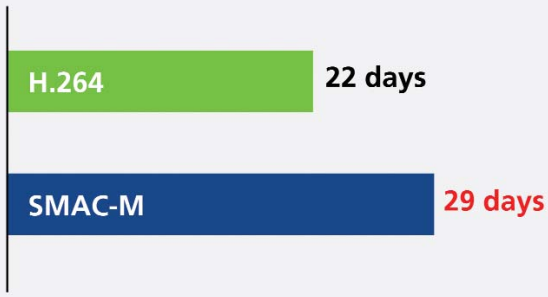
To solve the conflict, SMAC-M is the first to provide independent multiple streams covering different bit rates. SMAC-M lets you view live video from Video Recording Servers and Network Cameras via LAN, ADSL, PSTN and mobile networks whilst recording in DVD quality on your local devices.

SMAC-M:
Transmits 80% faster
than H.264 on ADSL

Resolution: 720x576 ; Data Rate: 128kbps

SMAC-M:
Records 29% longer
than H.264

Hard disk size: 1000GB ; Resolution: 720x576 ; Rate: 25fps



Remark: The above measurement is based on a set of standard videos. Actual recording size and transmission frame rate is subject to actual camera situation.