



Wavelet
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WAVESTORE DIAMOND RANGE (*Draft Issue*)

High performance CCTV digital video recording management system with wireless IP connectivity and Multimedia capabilities (INFOTAINMENT)

BENEFITS

- Multiple Camera, Real-Time, High Resolution Video Recording
- Pre and Post Alarm Event Recording
- Wireless LAN Capability For Remote Monitoring
- Multimedia Capable For Real-Time Passenger Displays
- Rapid Data Retrieval Via Wireless LAN / 100base-T Ethernet
- Fully Automatic Operation
- Fully European Rolling Stock Standards Compliant

CAPABILITY OVERVIEW

Wavelet Technology's **Diamond** range provides state-of-the art wireless and multimedia-capable digital video recording and management for the next generation of on-vehicle passenger safety and entertainment system.

The **Diamond** products are able to capture both pre-programmed and event-triggered images at various user-defined resolution and compression ratio settings.

Stored images can be rapidly extracted either via the standard RJ-45 Ethernet port, remotely via the optional WLAN radio link or by removing the HDD and replaying it in a viewing station.

The **multimedia** provides opportunities for both additional operator revenue generation and improving the customer's travelling experience.





FEATURES

INPUTS:

- 4 to 16 composite cameras
- 8 alarm / control inputs

OUTPUTS:

- WLAN (optional), 2.4GHz or IR line of sight or omni-directional
- 100base-T Ethernet (data access and display feeds)

VIDEO RECORDING:

- Variable frame capture rate up to 25 pictures/second for each camera
- Total 150 pictures per second
- Selectable resolution 720 x 288, CIF, QCIF
- S-VHS equivalent quality, evidential-compliant
- Continuous loop unattended recording
- Pre and post alarm event recording
- Stored data encryption
- Wireless data encryption

STORAGE:

- 80GB to 400GB hard disk drive

DATA RETRIEVAL:

- Direct on-vehicle replay
- Removable Hard Disc Drive
- Direct download via 100base-T Ethernet connection
- Remote download via built-in WLAN up to 56Mbps data rates

POWER REQUIREMENTS:

- Standard range 24-110V DC
- Other supply ranges available

EUROPEAN ROLLING STOCK STANDARDS COMPLIANT:

- BS EN 50155, 50121-3-2 AND 61373

MULTIMEDIA CAPABLE:

- Provision of multimedia advertising content; MPEG1, 2, 4, AVI
- Provision of real-time service information (via WLAN)

PHYSICAL CHARACTERISTICS:

- 19 –inch rack-mountable
- 3U Height 131mm, Width 480mm, Depth 348mm (inc handles)
- Weight 7.5kg