

CCTV/Imagery databases distribution on Tetra Networks

The iServe HNC500 provides a simple and cost effective method of distributing CCTV monitoring centre video to PCs and Tetra appliances. The product has a diverse range of applications wherever CCTV video and imagery needs to be distributed rapidly and can be used in applications such as surveillance, emergency response, missing persons, ANPR updates, Pub Watch, most wanted and traffic information.

The iServe surveillance solution will on activation of a computer mouse or an external alarm, capture and record video from a CCTV camera and will alert designated recipients with an SMS or Email notification. The recipients can then access the captured video and imagery from handsets enabling the monitoring centre to communicate more effectively with mobile units.

In addition images can be stored on the unit such as missing persons or the iServe can access central imagery databases and can be used as a portal for the distribution of imagery related information.

The video is captured in Mpeg4 motion media and Jpeg imagery and any standard multimedia handset in addition to PCs and PDAs can access the media.

The product supports a comprehensive built-in web based management tool suite for configuring, operating and maintaining the unit.



Features

- From 1 to 8 CCTV inputs supporting PAL/NTSC
- Live and pre-recorded media accessible from LAN and GPRS/UMTS Cellular networks
- Video matrix interface for camera selection
- Operates in secure networks, complete IT network isolation from CCTV and Internet/VPN
- File mirroring to file servers
- Time synchronisation to network clocks
- Low cost solution with integrated Web, Media Streaming and FTP servers
- Laptop computer size for mobility
- Scalable technology platform to high end servers
- Removable 6GB Compact Flash memory storage card
- Screen resolutions variable from 176X144 (QCIF), 240X192 (PDA), 352X288 (CIF)
- Comprehensive built-in web based management tool suite for configuring, operating and maintaining the unit.

Software Applications

- HTTP server
- Media Streaming server
- FTP server
- File mirroring
- Network time
- Web based configuration and management

Video Interface

- 8 CCTV inputs PAL/NTSC, 75R, 1Vpp

Motion Video Encoder

- MPEG-4 ISO/IEC 14496-2

Imagery Encoder

- JPEG ISO/IEC 10918-1
- Frame Sizes - QCIF, PDA, CIF
- Frame rate 25/30fps

Communications

LAN

- 1 port 10/100 Mbps

Radio

- GSM/GPRS Class 12
- Pager
- Tetra

Protocols

- HTTP, FTP, ARP, RARP, DHCP, RTSP, RTP/RTCP, UDP, TCP/IP, PPP, CHAP, NTP

Hardware

Electrical

- Input Volts: 96-220VAC
- Power consumption: 12 Watts maximum

Mechanical

- Unit dimensions 300 X 150 X 60 mm
- Video ports connector BNC
- LAN RJ45
- Compact flash Type 2

File Format

- MP4 file format for storage and playback

Terminal Software

- 3GPP media streaming player: Apple QuickTime, Nokia 6600, Motorola V1000

Performance

- 60 unicast live video streaming sessions
- Multicast support

Management

- Configuration of recipients for SMS/Pager/Email alerts
- Attach text descriptions to captured imagery
- Attach Profile to captured imagery
- Text search on captured data base
- Dynamic Folder Naming
- Contrast/Brightness/Crop captured imagery
- Network Time synchronisation
- Configure HTTP, FTP and mirroring functions
- For optimum response times adjust
 - Quality of Jpeg imagery
 - Quality of Mpeg motion media
 - Display size
 - Record length
- Secure access using
 - Username and Password
 - Access based on MAC address

