



Uniclass
L7626
Feb 2009

Digital Video and Audio Custody Area Recording System CDR 320

Closed circuit television (CCTV) recording of custody suites is a management tool which can improve the security of premises and staff; provide an enhanced level of care; identify system / procedural faults and develop staff training needs.

ClearView's Digital recording systems provide a clear record of all activities within the custody suite whether they be at the van dock, custody desk, intoximeter room, corridor or cell. Different locations within the suite demand different types of recording from real-time video with clear audio track at the booking-in desk, to time-lapse video only. Each camera and microphone can be set-up according to the requirement.

Up to sixteen separate individually retrievable audio tracks can record audio from different microphones. There is perfect "lip-sync" between each audio and associated video channel. All recording equipment is housed in a single lockable robust steel case. Metal front and rear panels will ensure that equipment is secure and protected from the environment. Controls are via a PC provided with the system.

All cameras and microphones are recorded directly onto the system's hard disc. No operator intervention is required to attend the recording system since all processes are fully automatic. Hard disc options can be provided for 31 days, 3 months or 1 year as required. Recordings may also be downloaded for storage on removable magnetic media.

Features and Benefits

Complies with PACE by protecting all persons within the custody area

Meets the minimum ACPO operational custody recording requirements

Records audio and video with perfect "lip sync"

No operator intervention no tapes



Technical Overview

ClearView's Digital Custody Systems are high quality video and audio recorders with advanced remote access capabilities. They offer large camera number capabilities and a simple upgrade path. Using advanced Wavelet technology, the CDR320 offers unsurpassed video and audio recording quality, boasting synchronous record, replay and archive, with capture at up to full frame rate (25 fps) on all channels simultaneously.

The CDR320 also offers ground-breaking storage capabilities with hard disc options ranging from 6.4 Gigabytes to 25 Terabytes. It provides flexible remote surveillance capabilities, offering auto dial out on alarm, dial in or continuous image transmission across wide or local area networks (WAN/LAN). Live images can be retrieved and recordings reviewed. System parameters can be configured and diagnosed remotely.

Typical System Configuration Example

32 colour cameras

28 cameras covering general custody areas recorded @ 2 fps

4 cameras covering critical areas (e.g. desk, intoximeter room etc.) with 4 real-time audio recorded @ 25 fps

31 days storage:

Hard disc requirement: 7680 Giga bytes

Total recording flexibility

All systems are totally flexible, allowing recording at any image update rate, from slow time-lapse for general custody areas up to full frame rate for charge desk cameras and microphones. Sophisticated Video Motion Detection (VMD) may be utilised so that only cameras viewing activity are recorded.

Storage

The CDR320 stores recorded images directly to hard disc. For long-term storage, backup/archive media storage is available on DVD, CD, JAZ or digital tape as required.

Technical Specification

Video inputs

· 1, 4, 8, 16, 32, 64+ camera units · PAL Colour, 1V p/p composite · Selectable 75 ohm termination BNC connectors

Audio

· 1, 4, 8 or 16 microphone inputs · Perfect lip-sync between video and audio recordings · Line-level input XLR connectors

Video output

· SVGA with optional composite analogue video output

Compression

· Wavelet, with compression ratio variable on a per camera basis · Compressed image file size from 8-50 Kbyte typical

Security

· Multiple levels of password protection - engineer, supervisor, administrator and user. Image authentication with audit trail.

Selective camera barring