

NetWatch[®] *Intelligent Surveillance Systems*

Camera Interface Servers (CIS) **Video Data Servers (VDS)**

CIS

The CIS performs the digital equivalent of the analogue 'recording' function; it captures video from cameras and streams video data to local storage devices and the network.

Operators at Surveillance Control Stations have control over any number of CIS units and can command them to: control active cameras, download current and historic video data, control the Visual Motion Detectors, update the Alarm Status lists etc.

Camera Interface Servers also provide physical interfaces for PTZ control, External Alarm Inputs, External Alarm output, Audio devices, Local Area Networks, ADSL and PSTN Networks etc.

The CIS provides the video intelligence for the system and is able to analyse and process video data through mathematical 'Transforms' to obtain accurate motion detection and to perform its functions in accordance with user specific requirements.



VDS

Video Data Servers provide a networked archive of video data allowing authorised Surveillance Control Stations to replay or download historic data (typically: from a few seconds, to many months old). VDS's can be employed to provide a data backup to increase system availability. They are used particularly where the primary CIS may be at risk from criminal damage or where radio networks may be temporarily unavailable. On larger systems they provide extended data storage for archive material and video data distribution that otherwise may be overwritten at a CIS.

User Benefits

- Proven technology - in use for over 6 years by major Government, Commercial and Industrial users
- Proven compatibility with major network hardware suppliers - no compatibility risks when AR&T plan system
- Integrated features guaranteed to meet all common security applications - lowest risk solution possible
- Highly cost effective solution for larger surveillance systems
- Surveillance system reach is only limited by the network
- Can be used over the Internet allowing long distance surveillance
- Visual Intelligence reduces fatigue and loss of attention by operators
- Mapping function allows operators to have better visualisation of events
- Can be implemented to provide high availability of data for high value assets
- Digital networked video can provide better quality and easier access than analogue
- Wireless communication options provide cost effective data distribution
- Integrated diagnostics help rapid fault location and reduce down time
- UK design and manufacture - support available when required
- Bespoke hardware and software solutions available for non-standard applications

Mounting Styles

NetWatch servers are supplied in 1U, 2U and 4U rack mountable case styles.

All styles are constructed with steel bodies and stainless steel front panels providing attractive, industrial quality, equipment and control room fixtures.

LED indicators show operational status and there are no user controls available on the front panels. Front panels are held in place with security screws to inhibit tampering.

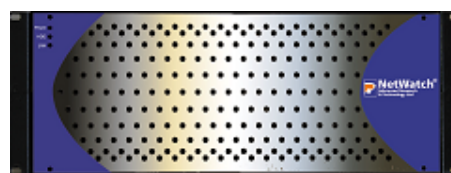
1U



2U



4U



Contact: Phil Dennis

Tel 01623 477320 Mobile 07887 856052

Unit 3 Castle Mount, Stuart Street

Mansfield, Notts. NG18 2NN

www.ar-t.co.uk sales@ar-t.co.uk

Advanced Research
& Technology Ltd

