Baxall Systems
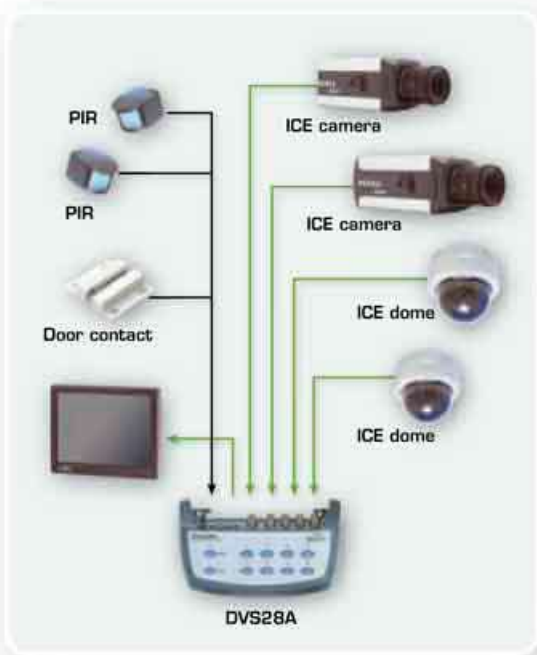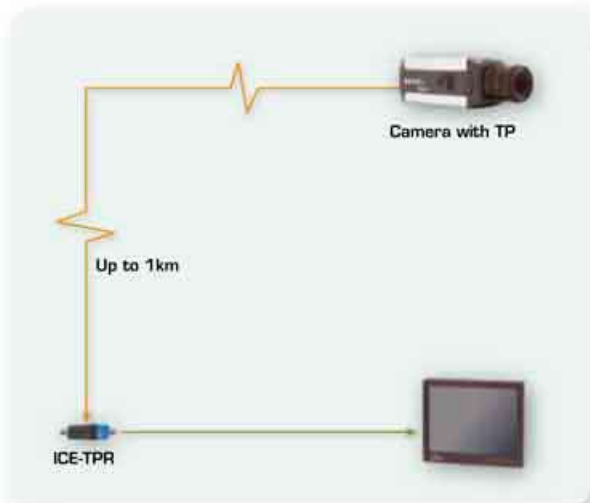
CCTV Solutions

The Whole Picture

BAXALL
LIMITED

Twisted Pair Transmission

Use Twisted Pair to avoid reduced quality images over long distances

ICE cameras with active twisted pair enable video to be transmitted up to a distance of 1 km using unscreened cat5 or twisted pair cabling.

A twisted pair receiver (ICE-TPR) is required to enable the data to be converted back to coax.

Camera with TP

Up to 1km

ICE-TPR

Simple Switcher

Connect security alarms to a switcher to enable automatic viewing of alarm triggered incidents

PIR

PIR

ICE camera

ICE camera

ICE dome

Door contact

ICE dome

DVS28A

With a simple Baxall desk Switcher (DVS2) either 4 or 8 cameras can be connected and displayed on 1 or 2 monitors.

With alarm inputs connected pictures can be automatically switched to the monitor as doors are opened or detectors activated

ice

Digital Recording

Use a digital video recorder for recording and PTZ control

A Vivid digital recorder can provide both complex recording features and simple pan tilt zoom (PTZ) control.

Adding the Baxall ZKX7 keyboard allows smooth joystick control of speed domes and PTZ devices.

The keyboard communicates utilising BaxNet the Baxall communications protocol (illustrated in red)

The BaxNet data connection is used to enable remote keyboard control of the Vivid DVR, including recording and simple PTZ controls.
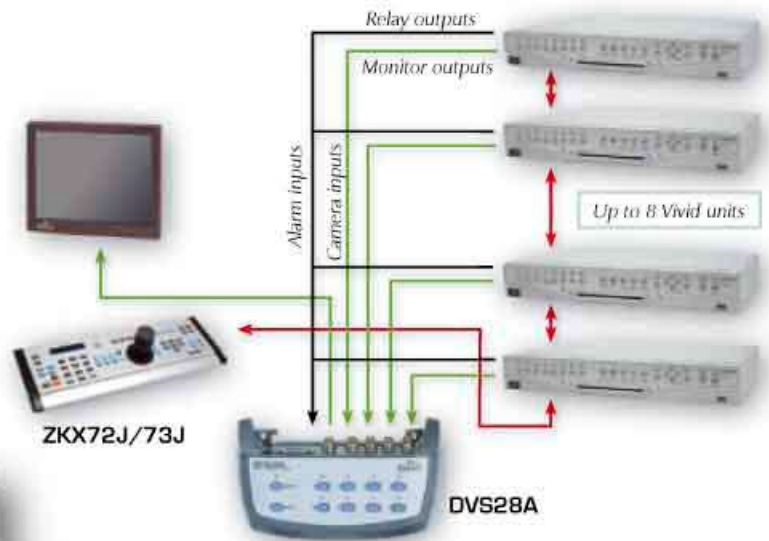
ICE dome

ICE camera

ICE Speed Dome

FSK

PTZ

FSK

ZR3/ZR5

ZKX72/73

Up to 8 independent control stations

Vivid DVR

Key   Coax ———   Alarm ———   BaxNet/Data ———   Control ———   Twisted pair ———

Virtual Matrixing

Use a Switcher to create a virtual matrix

With a limited budget a more complex system can be achieved, by cascading up to eight 16 channel Vivid DVR's into a seamless virtual matrix.

This enables up to 128 cameras to be viewed using one keyboard, and monitor through a switcher.

Relay outputs

Monitor outputs

Alarm inputs

Camera inputs

Up to 8 Vivid units

ZKX72J/73J

DVS28A

Baxall Vivid has Ethernet connectivity that enables remote users to view live and playback pictures without affecting local recording. As well as day-to-day operation, remote set-up and configuration of the unit can be achieved over the network.

BAXALL
vivid

ICE camera

PTZ

ICE dome

ICE Speed Dome

FSK

FSK

ZR3/ZR5

ZTX7 16/32

ZKX72/73

Vivid DVR

Up to 8 independent control stations

Digital Recording

A ZTX7 Matrix enables multiple users full PTZ control

For more complex systems Baxall can offer telemetry control and recording with up to 8 independent operator stations. Each operator can select and view cameras independently of each other.

Seamless control of pan and tilt heads or fully functional domes is achieved from keyboard via the ZTX7 Matrix.

The same keyboard is capable of controlling both the ZTX7 matrix and Vivid DVR
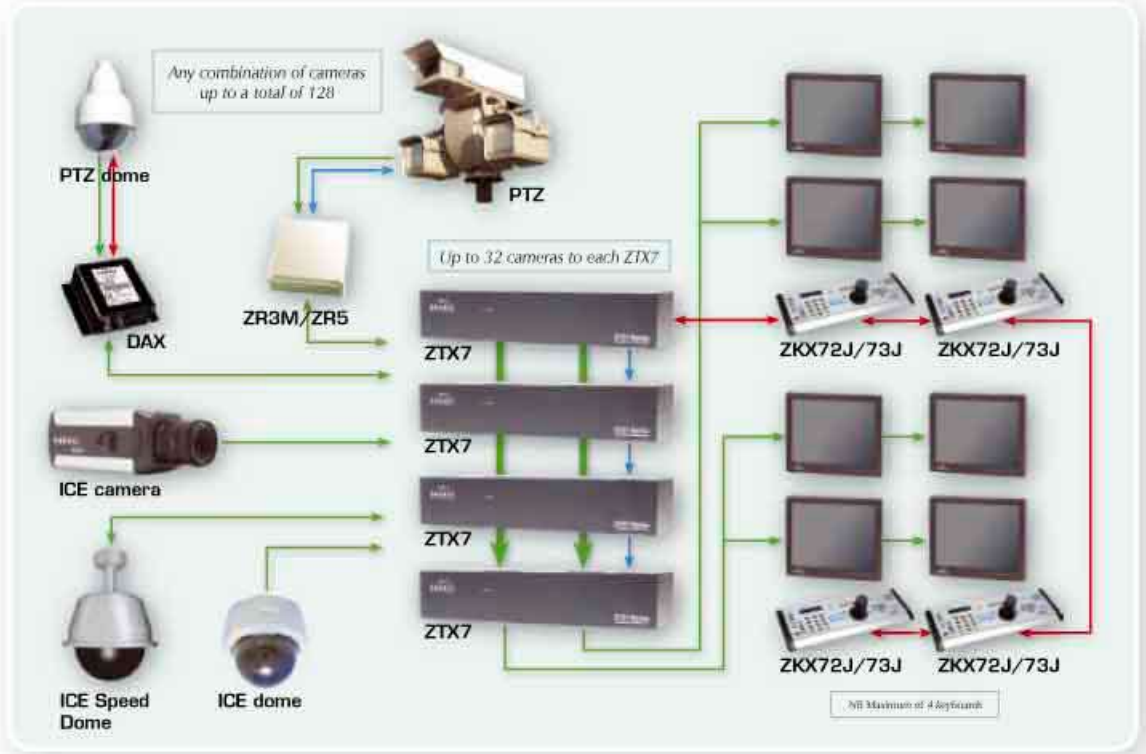
128 Camera x 8 Monitor Switching Matrix
Achieved by linking four ZTX7 matrices

Expanding your CCTV system is simple. Camera capacity can be increased up to 128 inputs by linking four 32 channel ZTX7 matrices.
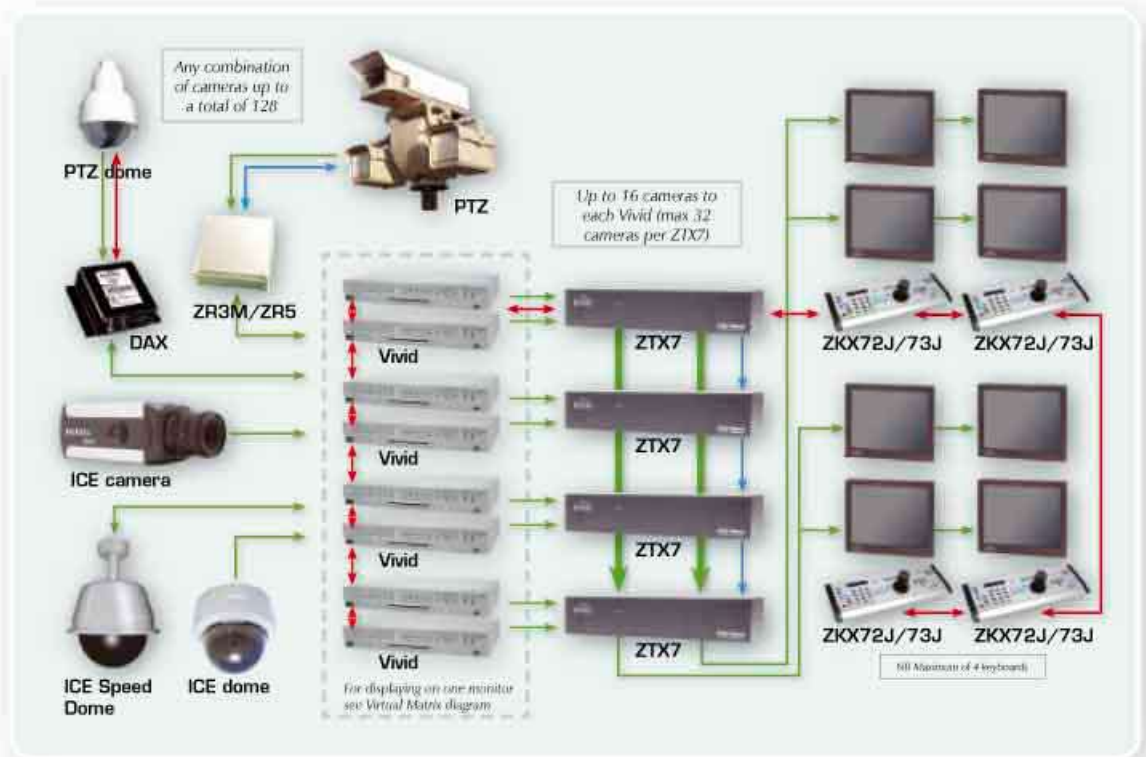

Any combination of cameras up to a total of 128

PTZ dome

PTZ

ZR3M/ZR5

Up to 32 cameras to each ZTX7

DAX

ZTX7

ZKX72J/73J   ZKX72J/73J

ICE camera

ZTX7

ZTX7

ICE Speed Dome   ICE dome

ZTX7

ZKX72J/73J   ZKX72J/73J

NB Maximum of 4 keyboards

128 Camera x 8 Monitor Switching Matrix with Recording
Achieved by linking four ZTX7 matrices and eight Vivid DVRs

Use Baxall keyboards to control ZTX7 matrices and Vivid DVR's from remote locations

A maximum of 16 devices can be BaxNet enabled and connected together over a distance of up to 1Km. A full complement of 16 BaxNet devices are illustrated here.

Any combination of cameras up to a total of 128

PTZ dome

PTZ

ZR3M/ZR5

DAX

Vivid

Up to 16 cameras to each Vivid (max 32 cameras per ZTX7)

ZTX7

ZKX72J/73J   ZKX72J/73J

ICE camera

Vivid

ZTX7

Vivid

ZTX7

ICE Speed Dome   ICE dome

Vivid

ZTX7

ZKX72J/73J   ZKX72J/73J

For displaying on one monitor see Virtual Matrix diagram

NB Maximum of 4 keyboards

Why buy a Baxall system?

- Baxall system components are designed and manufactured in the UK
- Baxall offer a dedicated technical support line
- All Baxall systems come with a 3 year manufacturers warranty

Baxall systems are used successfully in installations through out the world. The Baxall quality and ability to diversify are highlighted in the examples of applications below where CCTV systems have been employed as a deterrent and crime prevention medium.

Banking & Finance
Banks
Post Offices
Cash Centres

Retail
Electronic point of sale
Warehousing
Shopping Centres
Super Markets

Leisure
Football/Olympic Stadia
Hotels
Amusement parks
Casinos

Transport
Metro Systems
Railways
Airports
Buses
Maritime

Local Authorities
Town Centres
Libraries
Traffic management
Education
Hospitals

Facilities management
Offices/ Business Parks
Factories
Construction Sites
Process Control Monitoring
Petrochemical Plants

Cameras

Baxall ICE/ICE+ Cameras
- Best Resolution on the market
- Fast Set-up
- Easy installation
- Reliable & Robust

Baxall ICE Mini-Domes
- Surface or flush mount
- Easy installation
- Reliable & robust

Baxall ICE Hyper-Dome
- Surface or flush mount
- Award winning HyperD technology
- Produces perfect pictures in wide dynamic conditions

Baxall ICE Speed Dome Lite
- 10x zoom capability
- 60 presets; 4 tours
- 1/4" Sony Super HAD CCD image sensor
- Vandal resistant

Baxall ICE Speed Domes
- 26x Optical Zoom
- 12 x Digital Zoom
- True day/Night
- ¼" Sony EXview HAD CCD

Systems

Baxall Vivid DVR
- Enables recording of 6, 10 or 16 camera inputs
- JPEG2000 video compression
- CD or DVD archiving option

Baxall Desk Switcher (DVS2)
- Create a virtual CCTV matrix
- 4/8 camera inputs
- Alarm input options

LCD Monitor
- 17" or 19" LCD flat screen CCTV monitor.
- Metal casing
- PAL/NTSC, Audio in/out

Baxall ZTX7 Matrix
- Telemetry Control
- 16x4 and, 32x8 options
- Link up to 128 cameras

Baxall ZKX7 Remote Keyboard
- Create a numerically seamless matrix
- Control 128 cameras from 1 keyboard
- Telemetry, matrix & recording control

Baxall ZR Telemetry Receiver
- Pan Tilt Zoom data conversion
- Coax, RS485/422 data or 20mA reception, Alarm, Preset, and Tour Options

Baxall ICE Twisted Pair Receiver
- Receives camera images up to 1km
- Twisted Pair video transmission
- Lift & Gain control

Baxall DAX Dome Converter
- Enables control of third party domes
- Coax input, RS485/422 data output
- Compatible with leading dome brands

BAXALL
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