

...simply a better DVR



For a vivid account of the incident...

Baxall Vivid, the new generation of digital recording products, combines the very best of traditional CCTV design and functionality with the latest hardware and software technology. Baxall Vivid is a combined digital video multiplexer recorder with 6, 10 and 16 camera input options

with disk sizes ranging from 80GB to 1TB. Unlike other digital recorders, Baxall Vivid gives you better picture quality for the same storage rates. Comparable image quality at much greater compression levels means drive sizes can be reduced by as much as 30%!

Why Buy a Baxall Vivid?

- ◆ Image Quality
- ◆ Easy installation
- ◆ User Features
- ◆ Compatibility
- ◆ Storage options



Image Quality

- ◆ At comparable quality, disk drive storage can be extended by up to 30%
- ◆ Images are sharper with less blurring
- ◆ JPEG 2000 reduces blurring even after compression, allowing externally archived pictures to have vastly improved image quality

Hot Tip

Drop a disk size!

Baxall Vivid uses 30% less disk space with comparable image quality to the leading competitor. So drop a disk size to save on storage costs without compromising quality



Easy installation

- ◆ Baxall Vivid is simple to set-up:
- ◆ Simply take the unit out of the box
- ◆ Plug in your cameras and monitors,
- ◆ Apply the power; the unit will automatically optimise itself for 31 day recording.



User Features

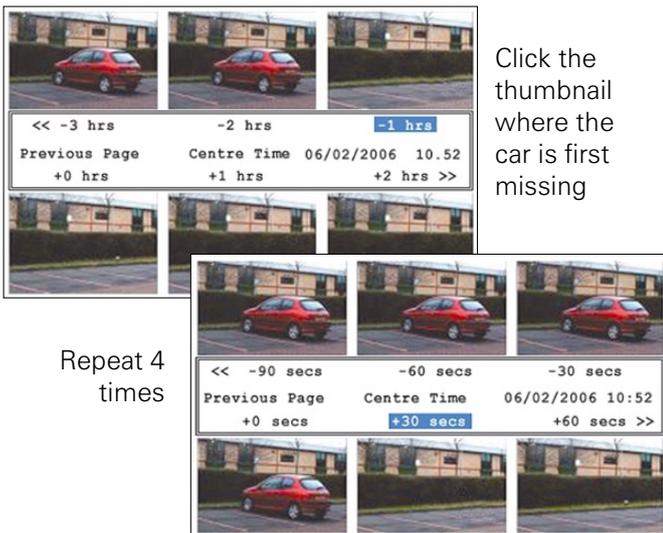
◆ Vivid Viewer

The Vivid Viewer software package is a Windows based program with instinctive menus and essential features as standard:

- Ethernet connectivity
- Remote viewing without affecting local recording.
- Day to day operation
- Remote set-up & configuration
- Customisable tool bars
- Telemetry control facility
- Print screen option

◆ Thumbnail Search

Identify the missing car from the thumbnail search in 5 stages dividing time down from 6 hours to 30 seconds.



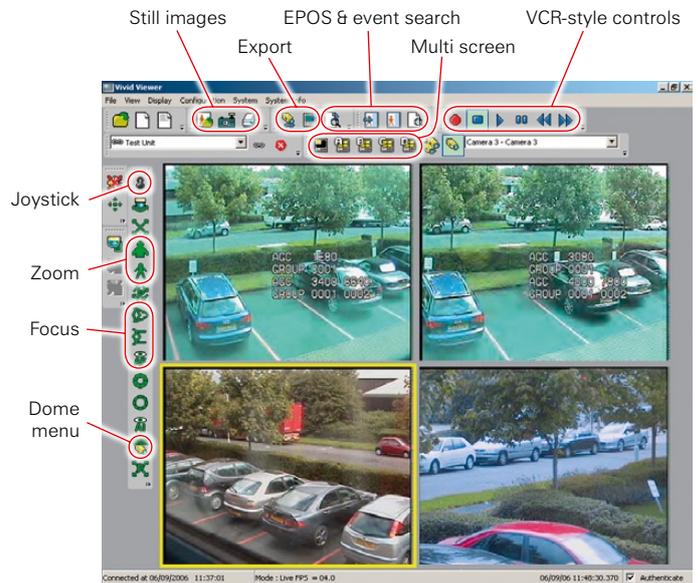
Watch the 30 seconds of footage and see car being taken!

◆ Play back

All new Vivid+, Vivid FSK and Vivid Lite models now have DVD or CD playback facility, enabling the use of the following features

- Standard playback
- 'Go to' time and date search

You do not require a PC for viewing



Hot Tip

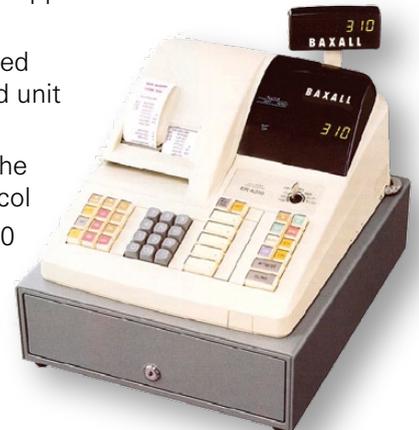
Use the Front panel USB hub

- Plug in a QWERTY keyboard for configuration & camera titling
- Download settings to USB memory stick for multiple installations

◆ EPOS Solution

The Baxall Vivid EPOS solution is an ideal product for retail environments:

- EPOS text search support feature within Vivid Viewer
- EPOS text advanced search within Vivid unit menus
- Compatible with the Vista TEAM protocol
- Access to over 400 till interfaces





Compatibility

◆ BaxNet and Dome Control

The Baxall Vivid contains in-built protocols which enable the unit to control the following domes

Baxall Prodome	Pelco
American Dynamics (AD)	Vicon
VCL	GE
Panasonic	Bosch
Dennard	Fastrax
Vista	JVC

The Baxall Vivid has simple dome control available from the front panel, or alternatively add an external BaxNet keyboard for full proportional control of domes.



◆ New Vivid FSK model

- Telemetry is controlled via the coax, removing the requirement for extra data cables
- Control any standard PTZ camera via a Baxall receiver or dome via Baxall DAX (dome interfaces)
- Fully compatible digital replacement for Baxall analogue MUX and VCR systems
- In built DVD writer for storage and playback as standard

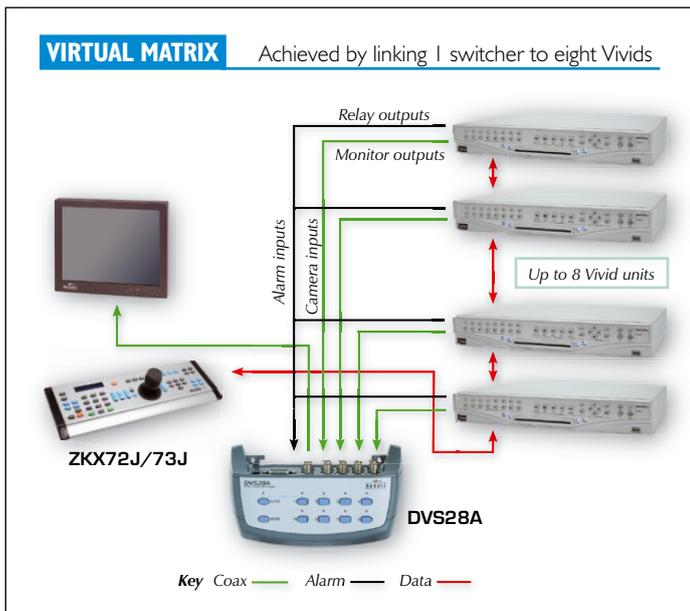
◆ Virtual matrix

As illustrated below, a single monitor can be used to view multiple Vivid units.

Hot Tip

Use a USB Stick in the front port!

- Ideal for evidential viewing
- Download settings for multiple installations
- Keep up to date; download the latest software



Storage Options

The Vivid DVR range allows you a variety of storage options:

- Internal CD or DVD for event archiving
- Internal Vivid hard drive for continuous recording
- USB Compatible devices
 - Flash Device
 - USB sticks
 - External USB CD/DVD drives
- SCSI for RAID 5 compatible storage devices



Four product lines

The Baxall Vivid range consists of four product lines:

- VIVID Lite - No-nonsense approach to digital recording
- VIVID - Designed to meet expectations
- VIVID+ - High speed with internal DVD
- VIVID FSK - FSK telemetry with internal DVD

FEATURE SUMMARY				
	VIVID Lite	VIVID	VIVID +	VIVID FSK
Record Speed	25PPS	50PPS	50PPS + Turbo*	25PPS
Mode	Duplex	Triplex	Triplex	Duplex
Internal Writer	CD	X	DVD	DVD
Alarms	✓	✓	✓	✓
S-Video Monitor	X	✓	✓	X
Audio	X	✓	✓	X
SCSI-2	X	✓	✓	X
Front panel USB	✓	✓	✓	✓
BaxNet	✓	✓	✓	✓
Dome Control	✓	✓	✓	✓
Ethernet	✓	✓	✓	✓
EPOS	✓	✓	✓	✓
Playback CD/DVD	✓	✓	✓	✓
Coax telemetry	X	X	X	✓
Virtual Matrix	✓	✓	✓	✓

* In Turbo mode the VIVID+ unit will record at a rate of 100PPS at half image resolution.

NUMBER OF INPUTS / DRIVE SIZE OPTIONS				
6Ch 80GB	✓	✓	✓	✓
6Ch 320GB	✓	✓	✓	✓
10Ch 160GB	✓	✓	✓	✓
10Ch 320GB	✓	✓	✓	✓
10Ch 500GB	X	✓	✓	✓
16Ch 160GB	✓	✓	✓	✓
16Ch 320GB	✓	✓	✓	✓
16Ch 600GB	✓	✓	✓	✓
16Ch 1TB	X	✓	✓	✓

Turbo mode*

Turbo mode enables the unit to record at 100pps instead of the usual 50pps by recording at half the resolution.

*Available on Baxall Vivid Plus models

Extra features as standard include:

- 16 alarm inputs on all models
- Audio recording
- Built-in motion detection with individual zone sensitivities
- E-mail notification on alarm and motion detection
- Pre and post alarm recording to partitioned parts of the drive (selectable by size)
- Covert cameras
- Schedules – record what you need when you need it
- Comprehensive system logs
- Multi-lingual support: English (UK), English (US), French, German, Spanish, Italian, Russian, Dutch, Portuguese, Slovakian, Lithuanian, Czech, Polish and Turkish

PRODUCT CODE	DESCRIPTION
VIVIDLite6/80	DVR, Duplex, CD, 6 channel, 80GB HDD
VIVIDLite6/320	DVR, Duplex, CD, 6 channel, 320GB HDD
VIVIDLite10/160	DVR, Duplex, CD, 10 channel, 160GB HDD
VIVIDLite10/320	DVR, Duplex, CD, 10 channel, 320GB HDD
VIVIDLite16/160	DVR, Duplex, CD, 16 channel, 160GB HDD
VIVIDLite16/320	DVR, Duplex, CD, 16 channel, 320GB HDD
VIVIDLite16/600	DVR, Duplex, CD, 16 channel, 600GB HDD
VIVID6/80	DVR, Triplex, 6 channel, 80GB HDD
VIVID6/320	DVR, Triplex, 6 channel, 320GB HDD
VIVID10/160	DVR, Triplex, 10 channel, 160GB HDD
VIVID10/320	DVR, Triplex, 10 channel, 320GB HDD
VIVID10/500	DVR, Triplex, 10 channel, 500GB HDD
VIVID16/160	DVR, Triplex, 16 channel, 160GB HDD
VIVID16/320	DVR, Triplex, 16 channel, 320GB HDD
VIVID16/600	DVR, Triplex, 16 channel, 600GB HDD
VIVID16/1000	DVR, Triplex, 16 channel, 1TB HDD
VIVID+6/80	DVR, Triplex, DVD, 6 channel, 80GB HDD
VIVID+6/320	DVR, Triplex, DVD, 6 channel, 320GB HDD
VIVID+10/160	DVR, Triplex, DVD, 10 channel, 160GB HDD
VIVID+10/320	DVR, Triplex, DVD, 10 channel, 320GB HDD
VIVID+10/500	DVR, Triplex, DVD, 10 channel, 500GB HDD
VIVID+16/160	DVR, Triplex, DVD, 16 channel, 160GB HDD
VIVID+16/320	DVR, Triplex, DVD, 16 channel, 320GB HDD
VIVID+16/600	DVR, Triplex, DVD, 16 channel, 600GB HDD
VIVID+16/1000	DVR, Triplex, DVD, 16 channel, 1TB HDD
VIVID FSK 6/80	DVR, Duplex, DVD, 6 channel, 80GB HDD
VIVID FSK 6/320	DVR, Duplex, DVD, 6 channel, 320GB HDD
VIVID FSK 10/160	DVR, Duplex, DVD, 10 channel, 160GB HDD
VIVID FSK 10/320	DVR, Duplex, DVD, 10 channel, 320GB HDD
VIVID FSK 10/500	DVR, Duplex, DVD, 10 channel, 500GB HDD
VIVID FSK 16/160	DVR, Duplex, DVD, 16 channel, 160GB HDD
VIVID FSK 16/320	DVR, Duplex, DVD, 16 channel, 320GB HDD
VIVID FSK 16/600	DVR, Duplex, DVD, 16 channel, 600GB HDD
VIVID FSK 16/1000	DVR, Duplex, DVD, 16 channel, 1TB HDD



Generic product specification

PRODUCT CODES

Please see the table on the previous page

VIDEO

Video Inputs	6,10 or 16 looped composite (NTSC / PAL) BNC connectors (1Vpp – 75 ohm) with software termination
Video Outputs	Main and spot monitor BNCs, S-video mini-DIN. Main monitor viewing options: full screen, programmable sequence, 4,6,9,10,13,16 split multiscreens, picture in picture
Image Compression	JPEG2000
Picture Resolution	720(H) x 576/480(V) displayed PAL/NTSC
Recorded Picture Quality	Up to 720(H) x 288/240(V) pixels recorded PAL/NTSC, depending on operating mode
Record Speed	User selectable within a range, depending on operating mode
Video Replay	User selectable up to a maximum system rate of 60pps (NTSC), 50pps (PAL), depending on operating mode Simultaneous video recording, local replay and remote viewing, depending on operating mode
Internal Video Storage	Up to 2 x standard IDE/ATA internal hard disks drives
External Video Storage	SCSI-2 for external storage, e.g. RAID5

ALARM INTEGRATION

Alarm Inputs/Relay Outputs	16 alarm inputs, 2 relay outputs plus grounds
Alarm Connection	3.5mm COMBICON terminal connectors
Alarm Recording	Programmable duration (0~10 minutes) with optional: priority, interleaved, exclusive, no change, pre and post alarm recording (pre 0~10 secs, post 0~10 minutes)

AUDIO

Audio Recording	User selectable single channel
Audio Inputs	3.5mm Microphone and Line-in (1Vpp)
Audio Output	3.5mm Line-out (1Vpp)

ACTIVITY DETECTION

Matrix	Selectable 15 x 16 matrix
Sensitivity Levels	5 levels
Tracking Delay	Programmable 5 ~ 600 seconds
Target Information	Programmable for size and location

SYSTEM MONITORING

Watchdog	Monitors key system parameters for power up, power down, camera connection, camera loss, user login, user logoff, and set-up changes
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ALL EVENTS (ALARM, MOTION OR SYSTEM)

Event Buzzer	1 Selectable on/off
Event Notification	Programmable Spot monitor activation. Programmable e-mail notification, on-screen display warning
Event Log	Date, time, camera, event trigger
Log Protection/Expiry	Timed event log protection and/or expiry
Event Outputs	2 NO/NC, 0.5A continuous, 1A momentary. 3.5mm COMBICON terminal connectors
Event protection	Separate event partition, programmable storage / archive parameters – such as over-write, and write protect against time parameters
Scheduling	Comprehensive scheduling facilities

NETWORKING

Type	Auto-sensing 10/100Base-T Fast Ethernet (RJ45)
Protocols	Full TCP/IP suite
Network Management	SNMPv3 (includes secured encrypted communication)
Network Set-up	DHCP, BOOTP, or manual, user selectable
Built-in Web-Server	HTTP 1.1
Built-in Firewall	Packet filtering with data logs

TELEMETRY

Dome Protocols supported	Baxall, Pelco, AD, Vicon, VCL, GE, Panasonic, Bosch, Dennard, Fastrax, Vista, JVC
Keyboard Interface	BaxNet

MECHANICAL

Dimensions	65mm (2 3/4")/1.5U)H* x 440mm (19" rack)W x 370mm (14.6")D *excludes feet
Weight	5kg (11lb) – single disk configuration

GENERAL

User Interface	Front panel keypad and on-screen menus, PC USB keyboard (not supplied) and/or remote PC viewing and control software
Language Options	English (UK), English (US), French, German, Dutch, Spanish, Italian, Portuguese, Russian, Slovakian, Lithuanian, Czech, Polish and Turkish
Power requirement	33W
Input voltage	12V DC, 100V – 240V AC/DC adapter included
Set-up Protection	Parameter protection during power outs
Password Protection	Programmable passwords, 3 levels: user, installer, network
Operating System	Linux®
Environmental	Min 0° to 40°C (32° to 104°F). 90% humidity, non-condensing

APPROVALS

Unit	CE, FCC
External Power Supply	CE, UL & GS (indoor use only)

PC REQUIREMENTS

(For supplied remote viewing and control software)	Windows 98 or later (not NT), Pentium 4, 1.8GHz or faster, 128MB memory, 2GB disk space, SVGA Monitor, 10/100Base-T LAN
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