

VISTA BLADE DIGITAL VIDEO RECORDER



THE SHARP END OF DIGITAL VIDEO RECORDING

Vista Blade is a range of enterprise level real-time DVRs, offering high resolution images and excellent performance for systems incorporating both analogue and IP cameras.

Each camera input comes with a codec to allow cameras to be fine tuned to suit any requirement. Any camera can be set to any compression level, in any quality, at any image rate per second. The powerful use of macros allows the user to program the DVR to just about any form of configuration giving you full control of how you use the equipment.

Vista Blade DVRs are true hybrids, incorporating network inputs for direct connection to IP cameras with a maximum of 20 inputs - 16 analogue and 4 IP. Live and recorded video can be viewed over a network using MPEG-4, with control of multiple DVRs from multiple locations.

All the DVRs in the range are capable of recording a full 25ips for each camera. Up to four internal drives allow up to 3TB of internal storage, maximising recording duration without compromising resolution or image capture rates.

To learn more about this product range please visit us at vista-cctv.com



Key Features:

Real-time recording for all cameras

Vista Blade is capable of recording 25ips for each camera at D1, 2CIF or CIF resolution

MPEG-4 compression

Offering very efficient compression, MPEG-4 delivers excellent video quality at relatively low bandwidth, thereby maximising hard disk storage space and bandwidth requirement

Total flexibility

Codecs on each camera input allow cameras to be fine-tuned and set to any compression level, in any quality, at any image rate per second

Analogue and IP inputs

The range allows for future expansion by offering 4, 8 and 16 analogue inputs and either 2 or 4 IP camera inputs. This allows system design to take advantage of both analogue and IP cameras and existing or new infrastructure

Large internal storage with integral cooling tunnels

Up to four internal drives allow 160GB to 3TB of internal storage. This maximises recording duration without compromising resolution or image capture rates. Built in by design are cooling tunnels to channel the air flow around the internal hard drive, the temperature of which are constantly monitored and alarms triggered should the threshold be reached

THE PROFESSIONAL CHOICE

GENERAL CHARACTERISTICS

VIDEO INPUTS/OUTPUTS

Blade 4-way	4 (looping) via BNC x 1.0 Vp-p/75W composite plus 2 x IP camera inputs via RJ45
Blade 8-way	8 (looping) via BNC x 1.0 Vp-p/75W composite plus 2 x IP camera inputs via RJ45
Blade 16-way	16 (looping) via BNC x 1.0 Vp-p/75W composite plus 4 x IP camera inputs via RJ45
Video output (spot)	BNC

SYSTEM

Recording Mode	MPEG-4 6 quality levels
Options	Real-time, time-lapse, event and alarm
Auto delete mode	Continuous, write once, no overwrite
Coverit	Programmable between 0 - 999 days.
Low latency	Yes/No
Alarm protection	Improves response time for PTZ control (reduced quality) Protects alarms from being overwritten

MOTION DETECTION

Triggers	An event or relay 1
Grid	16 x 16
Target Size	0 - 256
Sensitivity	9 - levels
Reaction Levels	High, medium & low

CAMERA

Camera Titles	15 characters
Adjust Video	Brightness 0 -99, colour 0 - 99, saturation 0 - 99, AGC on/off
Copy function	Copy camera setting to selectable or all cameras

SCHEDULE

Macros	256 programmable macros, 16 selectable via front panel
Timer	Daily, Weekly, Monday - Friday, weekend, specific day per week

ALARM

Notification Mode	Buzzer, e-mail, relay 1 and/or relay 2
Action	Latched, time out or transparent.
Inputs	Macro, buzzer, e-mail, relay and dome to preset
Relay Outputs	16 Programmable alarms, NO/NC
Arm/ disarm alarm	4 User selectable dry contact relay, NO/NC
Pre-Alarm Duration	Global alarm on/off via external contact (Alarm 16)
Post-Alarm Duration	Up to 5 seconds
	Up to 99 Seconds

CONNECTORS CHARACTERISTICS

Input power	Mains powered internal supply
Ethernet	10/100/1,000 RJ45 (IP cameras in and Data out) Base-T
Alarm In	4 x Phono RCA (optional)
Audio out	1 x Phono RCA (optional)
Serial (RS485)	2 x 2 screw terminals
Serial (RS232)	9-Pin D-type
Relay	4 x relays via screw terminals (NO/NC)
USB2	4 x USB2 ports (Two Front & Two Rear)

CONTROL CHARACTERISTICS

TELEMETRY	
Telemetry control	FSK (UTC coaxial) and RS485
Telemetry protocols	2 simultaneous RS485 protocols including Vista, Pelco & Various 3rd party protocols, Vista and BBV FSK

ENCODING

Quality	D1, (720x576) 2CIF (720x288) and CIF (312x288) selectable
Video Compression	MPEG-4 6-quality levels
Audio	4-channel MPEG-1 Option (requested separately)

RECORDING

Blade1	25ips real-time per camera in D1
Blade2	25ips real-time per camera in 2CIF
Blade4	25ips real-time per camera in CIF

Max rate per camera	25ips
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NETWORK

Network	Ethernet 10/100/1,000 Base-T
Network protocol	TCP/IP, UDP,HTTP,DHCP,FTP, SNTp
Network viewers	Blade Browser / BladeReader
Clock	NTP (Synchronisation via network server)

OTHER

Passwords	Up to 24 separate users
Password levels	Three definable levels
Replay from time	Selectable 0 - 999 seconds
Set-up settings	Up and down loading of menu settings
Health check	System, temperature, hard drive and Fan automatic check
Log file	Includes information on the system, unit and hard drives
ATM/EPOS	Selectable by channel & currency, record & search of TEXT data

HARD DRIVE STORAGE AND ARCHIVING

Up to	3TB (3,000GB)
Archive storage int	DVD + R
Archive storage ext	CD, DVD+R, 4 x USB2 (Flash and SATA Drives HDDs)

CONTROLS

Main Controls	Play, stop, fast forward, rewind, pause/eject, quick archive, search, menu, jog shuttle, camera, monitor select, alarm, sequence, analogue/IP
Multi-screen	4,9 & 16 way splits (real-time)

PHYSICAL & ELECTRICAL CHARACTERISTICS

ELECTRICAL

Input power	AC 100 - 240V 50/60 Hz
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MECHANICAL

Rack mount	19" with front and rear rack mount brackets
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PHYSICAL

Dimensions	88x440x580mm (hwxwd)
Weight	12kg
Material	Aluminium

ENVIRONMENTAL

Operating temperature	5 -40°C
Humidity	10% - 95% non-condensing

CONTROL EQUIPMENT

VKBD3i	3-axis joystick keyboard
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RECORD RATES AND RESOLUTION CHART

		Blade*16		Blade*08		Blade*04	
		Max record rate System	Per Camera	Max record rate System	Per Camera	Max record rate System	Per Camera
BLADE¹	Analogue cameras	16	4	8	4	4	4
	IP cameras	400ips	25ips	200ips	25ips	100ips	25ips
	D1	400ips	25ips	200ips	25ips	100ips	25ips
	2CIF*	400ips	25ips	200ips	25ips	100ips	25ips
BLADE²	Analogue cameras	16	2	8	2	4	2
	IP cameras	200ips	12.5ips	100ips	12.5ips	50ips	12.5ips
	D1	400ips	25ips	200ips	25ips	100ips	25ips
	2CIF	400ips	25ips	200ips	25ips	100ips	25ips
BLADE⁴	Analogue cameras	16	2	8	2		
	IP cameras	100ips	6.25ips	50ips	6.25ips		
	D1	200ips	12.5ips	100ips	12.5ips		
	2CIF	400ips	25ips	200ips	25ips		



No liability will be accepted by Vista for any errors or omissions in this information.

DS-blade-version 2

Vista, Eskdale Road, Winnersh Triangle, Wokingham, Berkshire RG41 5TS, England.

T +44 (0) 118 944 0123 - F +44 (0) 118 944 0999 - vista-cctv.com - info@vista-cctv.com