



FINDING A SOLUTION FOR EVERYDAY RECORDING REQUIREMENTS

The Vista Navigator is a set of mid range Digital Video Recorders (DVRs) offering a comprehensive range of features with a simple to use interface.

The mouse-driven GUI (Graphical User Interface) is intuitive in operation, minimising training requirements and any post-installation problems. Additionally, the on-screen help function helps less experienced users get the most out of the system, without the need to refer to separate manuals.

Powerful scheduling using easily understandable graphics allows individual alarms, camera record speed and quality settings to be assigned for different weekdays, weekends and holidays. This optimises record duration and reduces the amount of disk space required.

The latest codec technology has been utilised to allow video to be stored in two formats: JPEG for high resolution images and MPEG-4 for optimal transmission over networks. Navigator also allows for significant cost savings to be made as dome control is provided over standard coaxial cable, thereby removing the cost of any extra cabling in an existing system. The large range of telemetry protocols enables compatibility with an extensive range of third party dome and PTZ cameras.

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



Key Features:

Mouse-driven graphical user interface

This intuitive interface is simple to use, allowing easy programming and operation without the need for a separate keyboard or PC.

Powerful scheduling

Easy to use graphical representations allow individual alarms, camera record speeds and quality settings to be made to optimise record duration.

Multi-protocol RS485 and UTC/FSK telemetry

The large range of telemetry protocols enable a wide range of dome and PTZ cameras to be selected. Navigator's coaxial telemetry allows fully functional domes to be added to a system without the need to re-cable or run a dedicated twisted pair.

Dual-coding compression

Video can be stored in two formats: JPEG for local high resolution image recording and MPEG-4 for optimal transmission over networks.

100ips @ 2CIF*

High resolution images at user-definable frame rates can switch to record at 100ips upon alarm or operator request

*CIF on 4 way

Simple help function

Pressing the 'help' key calls up on-screen information, helping the user to maximise system performance without having to look through paper manuals

MODELS IN THIS RANGE:

NAV4-80	4 channel, 80GB, DVD, FSK/RS485 telemetry, audio
NAV4-160	4 channel, 160GB, DVD, FSK/RS485 telemetry, audio
NAV4-320	4 channel, 320GB, DVD, FSK/RS485 telemetry, audio
NAV10-160	10 channel, 160GB, DVD, FSK/RS485 telemetry, audio
NAV10-320	10 channel, 320GB, DVD, FSK/RS485 telemetry, audio
NAV10-640	10 channel, 640GB, DVD, FSK/RS485 telemetry, audio
NAV16-320	16 channel, 320GB, DVD, FSK/RS485 telemetry, audio
NAV16-640	16 channel, 640GB, DVD, FSK/RS485 telemetry, audio
NAV16-1000	16 channel, 1TB, DVD, FSK/RS485 telemetry, audio

Unit Variants

Navigator 4	4 camera 100ips @ CIF & 50ips @ 2CIF DVR
Navigator 10	10 camera 100ips @ 2CIF DVR
Navigator 16	16 camera 100ips @ 2CIF DVR

TECHNICAL SPECIFICATION

GENERAL

Video inputs/outputs	Navigator 4 - 4 x 1.0 Vp-p/75Ohm composite Navigator 10 - 10 x 1.0 Vp-p/75Ohm composite Navigator 16 - 16 x 1.0 Vp-p/75Ohm composite
Video output (main)	1 x 1.0 Vp-p/75Ω composite
Video output (spot)	1 x 1.0 Vp-p/75Ω composite
Video output (VCR)	1 x 1.0 Vp-p/75Ω composite (excluding Navigator 4)
Alarm inputs/outputs	Navigator 4 - 4 inputs, programmable alarms, NO/NC Navigator 10/16 - 16 programmable alarms, NO/NC
Relay outputs	2 Dry contact relays, NO/NC
Telemetry Control	Coaxial and RS485
Video Compression	MPEG4/MJPEG
TransCoding	MPEG-4 transmission of recorded/live video, independent of recorded video compression used
Audio	ADPCM compression

RECORDING

Rate	Navigator 4 - 100/120ips (CIF) or 50/60ips (2CIF) (PAL/NTSC) Navigator 10/16 -100/120ips (PAL/NTSC)
Max rate per camera	25ips
Resolution	704x288 (PAL), 704x240 (NTSC)

NETWORKING

Network	Ethernet 10/100Base-T
Network protocol	TCP/IP, UDP, HTTP, DHCP, FTP, SNMP
NetVu Connected	Remote client and other NetVu connected products

HDD STORAGE AND ARCHIVING

Navigator 4	80GB, 160GB, 320GB
Navigator 10	160GB, 320GB, 500GB, 750GB
Navigator 16	160GB, 320GB, 750GB, 1TB
Archiving	CD, DVD-R and USB2

CONNECTORS

Input power	Mains powered internal supply
Video in	4/10/16 BNC
Video out	1 Main BNC, 1 Spot BNC, 1 VCR BNC
Ethernet	RJ45
Alarm in	16 (10/16 way) or 4 (4 way) screw terminal
Audio in	Phono RCA in (connector doubles as mic. in)
Audio out	Phono RCA
Serial (telemetry)	Screw terminal (10/16 way), a 9 pin D-type & converter board for (4 way)
Serial (BaxNet)	RJ45
Serial (RS232)	9 Pin D-type
SATA	SATA connector for JBOD
Relay	Screw terminal

MECHANICAL

Rack mount	Rack mounting brackets with locating screws available on request
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PHYSICAL

Dimensions	440(W)x445(D)x89(H)mm
Weight	10.5Kg
Shipping weight	11.7Kg
Colour	Silver

ELECTRICAL

Input voltage	100-240V AC 50/60Hz
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ENVIRONMENTAL

Operating temperature	Operating temperature 5~40°C (41~104°F)
Humidity	10%~85% non-condensing

RELATED PRODUCTS

CONTROL EQUIPMENT

VKBD3	3-axis joystick keyboard for Vista domes, matrices & DVRs (excluding Quantum DVR)
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DOME CAMERAS

VSD/16	16 channel dome protocol star driver RS422/RS485
PowerDome	Vista PowerDome range of fully functional dome cameras

And many third party manufacturers domes.



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

DS-navigator-version 2 (preliminary)

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