

# SMARTDISC+ E

## HYBRID FUNCTIONALITY WITH ANALYTICS SUPPORT



The SmartDisc+ E is a true hybrid recording and transmission platform, capable of supporting a maximum of either 4 or 10 cameras. These could be IP cameras with H.264, MJPEG or JPEG encoding along with CVBS analogue, allowing you to use best of breed cameras to suit the site requirements.

With an enhanced processor, the SmartDisc+ E supports IP cameras upto 5MP, with real-time recording on 720p cameras, this also enables upto 4 IntrusionTrace.H licences to be loaded onto the SmartDisc+ E for industry leading analytics detection in remote monitoring applications.

The dual purpose design makes the SmartDisc+ E suitable for static or mobile applications - the only difference is the HDD being used. In static applications you can choose between a 2 and 4TB HDD and for mobile applications there is a 1TB HDD. Should a LAN/WAN/ADSL connection not be available, there is an optional 4G/GPS plug in module that can be fitted for offsite transmission of alarms and images and if using the SmartDisc+ E in a rapid deployment or mobile application then with a suitable aerial, this provides pinpoint GPS tracking for proof of location.

### Key Features:

#### True hybrid devices

Realtime 4 Or 10 channel hybrid devices, supporting H.264, MJPEG & JPEG IP cameras, along with CVBS for true hybrid performance, provides optimum playback information

#### IntrusionTrace analytics

Optional IntrusionTrace.h analytics available, for reliable, offsite alarm activation

#### Static or mobile recording and transmission solution

Designed to be used in either in a static or mobile applications, dependant on the HDD used

#### 4G/GPS router and aerial

For mobile, rapid deployment and static applications with no ADSL, an optional plug in 4G/GPS router sends alarms, images and GPS co-ordinates on activation

#### PTZ/Dome control and integrated audio

PTZ/dome control via the receiving software removes the need for a control keyboard. Connection to an amplifier with speakers and microphone enables pre-recorded and live voice warnings to be made

#### BS8418 ready

End of Line (EoL) alarm inputs, relay outputs and a >16,000 event logfile, ensures that Smart can form part of a fully compliant BS8418 CCTV system

#### Remote Video Receiving Centres (RVRC)

Smart is supported by all leading monitoring stations in the UK & Ireland

## TECHNICAL SPECIFICATION

Model	SmartDisc+ E4	SmartDisc+ E10
<b>VIDEO</b>		
IP Cameras	Up to 4	Up to 10
Analogue Inputs	4 (with loop through)	10 (with loop through)
Video Standard	IP: dependant on camera (see IP camera compatibility list) / Analogue: PAL/CCIR and NTSC/EIA	
Video Compression	IP: H.264 / MJPEG / JPEG (with selected IP cameras) / Analogue: H264	
Picture Formats	IP: Dependant on model: upto 5MP / Analogue: Transmission & Recording: upto 720x288	
IntrusionTrace.h Licences	Up to 4	
Motion Detection	IP: dependant on type & integration / Analogue: Selectable per camera	
Video Signal Monitoring	Video signal monitoring (sync. and picture content)	
Video Output	1 x CVBS (switcher with manual, alarm & sequence control)	
<b>AUDIO (NOT OVER IP)</b>		
General	Bi-directional audio transmission and recording	
Audio Compression	SPEEX Codec, 16 Bit, 80-8000 Hz	
Audio Input	1 x line in (0-2 Vpp, nominal 0.775 Vpp) or Mic in (electret or electroacoustic microphone)	
Audio Output	1 x line out (0-2 Vpp, nominal 0.775 Vpp) & 1 speaker out (1 Watt/8 Ohm)	
<b>TRANSMISSION &amp; RECORDING</b>		
General	Triplex operation (transmission, recording & playback at the same time); online evaluation via local & remote receiver station or offline via removable HDD	
Multi-Unicast Connections	6 IP, or 5 IP and 1 dial-up simultaneously	
Web Server	4 IP connections (PC/Smartphone/PDA Web browser)	
Video Transmission of Live & Recorded Images	Up to real-time via IP (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE)	
Recording Speed	IP: up to 25ips / Analogue : 25ips per channel	
Recording Media	Removable SATA HDD: 1TB, 2TB, 4TB	
Trigger to Initiate Transmission / Recording	Alarm input, motion detection <sup>1</sup> , serial commands & timer based calendar	
Privacy Zones	IP: Depending on camera / Analogue: 5 per camera	
Recording Modes	Continuous with pre- & post alarm recording, in conjunction with built-in timer based calendar	
Recording Interval	0-999secs adjustable for pre- & post alarm per camera (0 = as fast as possible)	
Callback	Automatic callback to receiver stations with SmartControl software	
<b>REMOTE ACCESS AND EVALUATION</b>		
General Features	Remote access to live & recorded images. Remote setup/maintenance via receiver software	
Search Criteria	Site list & camera (with support camera), time, date, event (contact, motion) <sup>1</sup> & graphical analysis of event & permanent recordings	
Motion Smart Search <sup>1</sup>	In offline mode considering camera, detection zones, sensitivity & date/time	
Reference Images	Transmitter list & camera selection supported by object specific reference images	
Access Protection	Multiple password levels & sophisticated user management	
Log File	>16000 event log with LED notification	
<b>INTERFACES</b>		
eSATA	Interface for external recording based on HDD	
LAN	1Gbit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN	
USB	2 x 2.0 for configuration of device & WiFi stick	
4G Module	Optional internal 4G module	
PTZ Control	Via onboard RS-232/485 (422) interface	
Transparent Data Channel / Control Interface	Via onboard RS-232 interface (9 pin Sub-D)	
Alarm Inputs (EoL)	4 or 10 alarms, 1 general alarm, 1 arm/disarm & 1 tamper	
Control Outputs		
<b>GENERAL</b>		
Application	Static or mobile (dependant on HDD used)	
Operating System	Embedded Linux/dedicated hardware	
Control / Display	On-Off, button for manual camera selection & status LEDs	
Setup & Firmware Update	Via receiver software: IP, LAN or WAN	
Operating Voltage / Power Consumption	12-24VDC, max.25W	
Operating Voltage Range	8 - 30VDC	
Operating Temperature	+5°C to +40°C (+41°F to +104°F)	
Housing / Enclosure	Desktop and wall mounting: 221 x 88 x 270mm; 19" mounting: 1/2 19" x 2 RU x 275mm (WxHxD)	
Weight	2.8Kg (net) / 3.9Kg (gross)	
Protection Class	IP30 according to IEC 60529, DIN EN 60529	
Approvals	CE (EN 61000-6-3, EN 55022, K1.B, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2, EN 61000-4-2, -3, -4, -5, -6, EN 50204, EN 50130-4); FIDUCIA (starting from SmartControl LITE 3.90), BS 8418, UVV Kassen	

<sup>1</sup> analogue cameras only



No liability will be accepted by Vista for any errors or omissions in this information. Subject to change without notice.

DS - SmartDisc+ E - Version 1

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## Models In This Range

**0768290**  
**SmartDisc+ E4**

**0768300**  
**SmartDisc+ E10**

## Associated Products

**0480310**  
**VLS2-DR2TB**  
2TB HDD for static applications

**0480370**  
**VLS2-DR4TB**  
4TB HDD for static applications

**0480320**  
**VLS2-DRM081TB**  
1TB HDD for mobile applications

**0769020**  
**IntrusionTrace.h 1**  
1 ch IntrusionTrace analytics licence

**0769030**  
**IntrusionTrace.h 2**  
2 ch IntrusionTrace analytics licence

**0769040**  
**IntrusionTrace.h 4**  
4 ch IntrusionTrace analytics licence

**0776130**  
**Smart 4G/GPS/R**  
4G/GPS internal plug-in router module for SmartDisc+ E

**0776140**  
**Smart 4G/GPS/A**  
4G/GPS aerial for SmartDisc+ E

**0776150**  
**Smart+ E Caddy**  
USB Caddy for remote reviewing of VLS2 HDD

**0478830**  
**VLS-ALM50R**  
50 Alarm output / 8 relay expansion module

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