

Ness Ultimate Hybrid Series

4 / 8 / 16 Channel Megapixel + IP camera support



The Ness Ultimate Hybrid series are premium H.264 DVRs supporting multi-codec, analog and IP cameras, Megapixel recording and display.

Designed for advanced surveillance and multi-functional projects such as military bases, research institutes, financial buildings and casinos. With a high-performance compression engine, the Ultimate Hybrid series provides real-time recording, fast data transmission over the internet and crystal clear video quality. Additionally, Multi-codec allows

users to select specific recording modes from H.264 / MPEG-4 / MJPEG to meet various uses in different environments. Compatible with both IP and analog cameras, the Ultimate Hybrid series applies the concept of hybrid connection for flexible surveillance solution.

Furthermore, the Megapixel recording capability provides high-definition video for capturing fine detail from high resolution megapixel cameras.

Hybrid Technology - Digital & Analog Display & Recording SUPPORT MEGAPIXEL CAMERAS

Advanced Functions

- H.264 / MPEG-4 / MJPEG compression
- IP Camera recording
- Megapixel recording
- Real-time recording
- Pentaplex Operation
- User management
- Per channel configuration
- NTP for time synchronization
- WLAN, SMS
- Built-in Pelco Coaxitron® protocol
- POS Function: transaction monitoring
- 1TB HDD included, up to 3 internal SATA HDDs
- DVD+RW included
- HDMI Digital video output
- Dual-gigabit LAN ports
- 4/8/16ch audio recording
- Mobile View software
- DynaRemote™ for remote monitoring
- DynaGuard™ CMS for large-scale video management



Ness Ultimate Hybrid Series

MODEL NAME	104-293 16 Channel DVR	104-292 8 Channel DVR	104-291 4 Channel DVR		
Video					
Operation System	Embedded (Linux)				
Video Standard	NTSC/PAL Switch Selectable				
Input	BNCx16,1.0Vp-p/75 ohm	BNCx8,1.0Vp-p/75 ohm	BNCx4,1.0Vp-p/75 ohm		
Input IP devices	Up to 8ch	Up to 8ch	Up to 4ch		
Outputs	Main Monitor	BNC x 1, S-Video x 1, 1.0Vp-p/75 ohm			
	Call Monitor	BNC x 1, 1.0Vp-p/75 ohm			
	Loop	BNCx16,1.0Vp-p/75 ohm	BNCx8,1.0Vp-p/75 ohm	BNCx4,1.0Vp-p/75 ohm	
Digital Display Output	800 x 600, 1024 x 768, 1280 x 1024 pixels				
VGA Output	800 x 600, 1024 x 768, 1280 x 1024 pixels				
Picture Refresh Rate	NTSC: 480 PPS(16CH) / PAL: 400 PPS(16CH)				
Audio					
Input	x 16, Line-In	x 8, Line-In	x 4, Line-In		
Output	x 1, Line-Out				
Compression Method	ADPCM, G.726				
Data Rate	8KB/s, per CH				
Recording					
Compression Method	H.264 MPEG-4, MJPEG				
Recording Mode	Schedule, Alarm, Motion Detection				
Pre-Alarm	1~30 sec				
H.264	NTSC	720x480	480pps	240pps	120pps
	PAL	720x576	400pps	200pps	100pps
MJPEG/ MPEG-4	NTSC	720x480	240pps	120pps	120pps
	PAL	720x576	200pps	100pps	100pps
Recording Quality	8 Levels Presets, Adjustable				
Data Life Time	Yes (Programmable)				
Storage					
Build-in Storage Interface	x4 SATA for HDD and DVD+RW				
Cartridge / DVD+RW	Optional				
External Storage	DynaStorage™ 200 (Gigabit LAN)				
Export	X4 USB2.0 Ports, Support Thumb Drive and DVD+RW				
Alarm					
Alarm Input	x16, Terminal Block(TTL)	x8, Terminal Block(TTL)	x4, Terminal Block(TTL)		
Alarm Detection	N.C. / N.O., Programmable				
Motion Detection	15 x 11 Grid Array, Sensitivity, Trigger Level Adjustable				
Video Loss Detection	Programmable				
Alarm Relay Output	x3, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC	X2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC	x2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC		
Communication					
Network Connectivity	Ethernet RJ-45 connector, 10/100/1000 Mbps				
Compatible IP Cameras	ACTi, AXIS, DynaColor, HUNT, SANYO, SONY, VIVOTEK				
Remote Control Software	DynaGuard™ CMS, DynaRemote™				
Remote Operation	Monitoring, Playback, Recording, System Setup, Dome Camera Control, Archiving				
RS232C	D-Sub 9 Pin Male				
RS485	Terminal Block				
Dome Control Protocol	DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic				
General					
Unit Dimensions	440 x 90 x 413 (WxHxD)mm (17.3 x 3.54 x 16.3 inches)				
Unit Weight	7Kg (15.42 lbs) with DVD-RW				
Package Dimensions	563 x 197 x 521 (WxHxD)mm (22.17 x 7.76 x 20.51inches)				
Package Weight	10Kg (22.03lbs)				
Operation Temperature	0°C ~ 40°C				
Relative Humidity	10% ~ 90% Non-condensing				
Power Consumption & Input	AC 100~240V, 50-60Hz, 100W (Manual Select)				

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