

➤ *Ness Ultimate Series DVRs*



The Ness Ultimate series are premium H.264 DVRs supporting multi-codec, analog 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 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.

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

4 / 8 / 16 Channel

Advanced Functions

- H.264 / MPEG-4 / MJPEG compression
- 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



Ness Ultimate 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
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
	PAL	720x576	400pps	200pps
MJPEG/ MPEG-4	NTSC	720x480	240pps	120pps
	PAL	720x576	200pps	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		
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)		



Innovative Electronic Solutions

www.ness.com.au

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