

## Ernitec Build-ESR1800

8bay Tower Surveillance Server



- > Supports up to 1800 megapixel fps recording
- > Dual Gigabit network card
- > 8 Hot Swappable HDD bays
- > 1GB Graphic controller with VGA, DVI, HDMI and Thunderbolt outputs
- > ESR – Smart Recovery solution
- > ESR INFO
- > Dual hard drives with Windows® OS installed in a RAID 1
- > 3 year Warranty

The Build-ESR1800 is a powerful video surveillance recorder that is optimized to work with CCTV VMS Software for sensitive & long-term viewing and storage of IP/Megapixel cameras.

The Build-ESR1800 is engineered to maximize the way the processor, memory, graphics, OS and software technology work together to deliver massive recording power.

Bringing new standards to the market with a specially developed configuration GUI for language selection and network settings that simplifies the installation. On top of this the unit is loaded with our unique ESR software developed by Ernitec to backup the complete machine including OS and VMS settings.

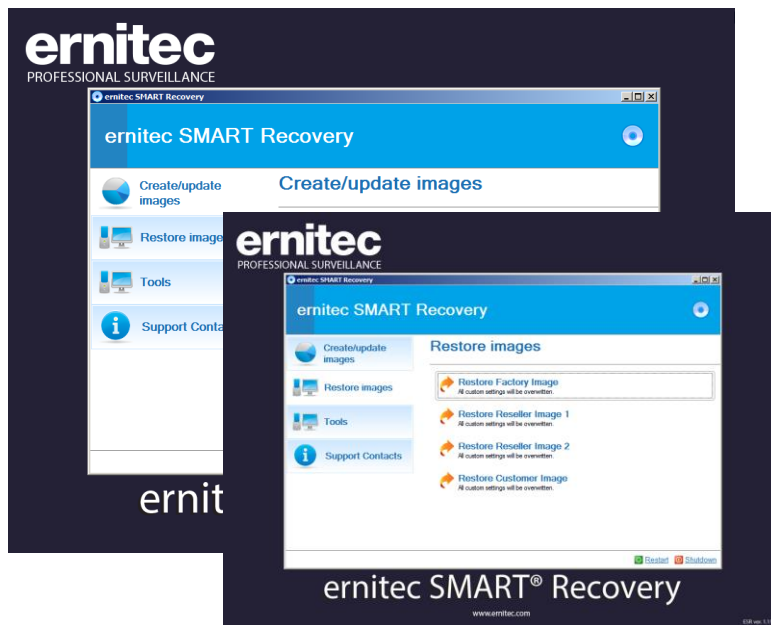
All systems have been hardware tested over 24 hours and include more than 60 unique systems settings before leaving the assembling line to make sure that the system will run perfect 24 hours per day year after year.

The special Health hardware management software and the ESR INFO notification server give you early warnings if a problem is detected.

# Ernitec Smart Recovery software – Ernitec Build-ESR1800

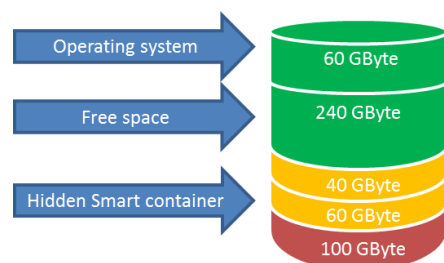
Ernitec Smart Recovery is the first and currently only recovery tool for surveillance servers that is designed especially for the surveillance market.

ESR can save you a huge amount of time and money on trying to find an error – now fault finding software errors can be carried out on site with the use of this unique tool.



- Backup the complete machine including OS and VMS settings.
- With ESR you no longer have to think about having a backup of every system you use.
- The most reliable recovery solution for surveillance servers on the market.
- Choose between Factory, Reseller 1, Reseller 2 and Customer image that can boot your server, even after a severe crash.

- Recover the complete machine including OS and VMS settings.
- ESR works on Windows 7, 8, 2008 & 2012 operating system and its applications without re-installation.
- ESR is pre-installed on all Ernitec ESR servers



## Upgrade options – Ernitec Build-ESR1800

Customize options for the Build-ERS surveillance server, enables you to design the server to the project requirements.

All hard drives are Enterprise performance rated which are optimized for 24/7 surveillance use. The hardware 8ch RAID controller supports 1.5, 3.0 and 6.0 Gb/s SAS and SATA data transfer rates on all channels and the professional graphics card renders pristine image quality on up to four Display Port monitors at resolutions up to 2560 x 1600 per output .

### Drive Options

#### SATA Drives

Build-1TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-2TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-3TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm
Build-4TB-SATA-HDD-ESR	24/7 HDD SATA industrial 7200rpm

#### SAS Drives

Build-1TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-2TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-3TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-4TB-SAS-HDD-ESR	24/7 HDD SAS, 7200rpm optimized for RAID controller
Build-300GB-SAS-15K-HDD-ESR	24/7 HDD SAS, 15000rpm optimized for RAID controller

#### SSD Drives

BUILD-512GB-SSD-HDD-ESR	24/7 HDD SSD for high speed live database requirements
BUILD-1TB-SSD-HDD-ESR	24/7 HDD SSD for high speed live database requirements



### RAID

Build-8ch-RAID-controller	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Build-RAID0-Setting	RAID config setting
Build-RAID1-Setting	RAID config setting
Build-RAID5-Setting	RAID config setting
Build-RAID10-Setting	RAID config setting
Build-RAID50-Setting	RAID config setting
Build-RAID6-Setting	RAID config setting
Build-RAIDJOB-Setting	RAID config setting
Build-hotspare	RAID config setting

### OS

BUILD-WIN2012R2-STD-ESR	OS upgrade option to Windows Server 2012
Build-Upgrade-OS-SSD-2-ESR	Upgrade OS drive to two SSD drive



### CPU

BUILD-CPU-UPGRADE TO 1800MP-ES	INTEL XEON E3-1245V3, 3,3GHz LGA1150 upgrade option for Build-ESR600
--------------------------------	---

### Graphic controller

Build-ERC-4monitor	Graphic card for 4 monitors with 4 display port or 4 DVI output
--------------------	---

# Upgrade options – Ernitec Build-ESR1800

Customize options for the Build-ERS surveillance server, enables you to design the server to the project requirements. This includes installation of analog capture cards for hybrid recorders and Ernitec EVR VMS software all pre loaded in our factory.



### Software Options

<b>BUILD-EVR</b>	Factory installation of Ernitec EVR VMS
<b>Build-EVR-PRO-1</b>	Factory installation of Ernitec EVR Pro Version, 1 channel IP NVR & DVR license, Max 5 users, 1 server, 50 cameras per server.
<b>BUILD-EVR-ENT-1</b>	Factory installation of Ernitec EVR Enterprise Version, 1 channel IP NVR & DVR license, max 10 users, 5 servers, 64 cameras per server

### Software Options

<b>BUILD-VCA-1CH-A</b>	Factory Installation of 1 Channel Video Analytics Advance Surveillance with people counting
------------------------	---



### Capture Card

<b>BUILD-EVR-16ANA-CARD-ONLY</b>	Factory installation of 16 Channel High performance H264 Hybrid capture card, hardware compression with full D1 resolution on all channels resolution up to 400fps@D1 (704 x 576 pixels) BUILD-ESR600 will accept 2 x 16ch Analog capture cards
----------------------------------	---

# Technical Specification – Ernitec Build-ESR1800

Features		Power	
Recording frame rate at resolution 1280 x 720	*Up to 1800/sec in H.264	Fix PSU	665W Super Quiet (25dB) (Bronze Level) High-efficiency PS
System Hard drive with OS	2 in RAID 1 (1+1)	Power requirements	100v -240V AC/50-60Hz/500W
Optical Drive	DVD-RW	Management	
Graphic controller for 2 monitor output	**1GB - 1xVGA, 1xDVI-D, 1xHDMI , 1xThunderbolt (op to 2560x1600)	Power Configurations	ACPI / ACPM Power Management, Main Switch Override Mechanism, Wake-On-LAN (WOL) header, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Ernitec ESR software	Yes	Software	SuperDoctor III
Ernitec ESR INFO	Yes	Dimensions / Weights	
Auto-rebooting after power failure	Yes	Form Factor	4U Tower
Storage		Rack option	Yes, RACKKIT
Storage interface	SATA / SAS with RAID controller option	Dimensions (HxWxD mm)	452x178x648
Storage included	-	Weight	29,6KG
Storage bays	8x 3,5" hot swap bays	General	
Upgrade option; RAID controller	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	see upgrade options for more info	Operation conditions	Temperature range from +5°C to +35°C
OS support		Operating Relative Humidity Range	8% ~ 90% (non-condensing)
OS	Windows 7 ultimate 64bit	warranty	3 years
Upgrade option; Win OS	Windows 2012R2 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK,
CPU / Memory		Part number	Build-ESR1800
CPU	INTEL XEON E3-1245V3, 3,3GHz LGA1150		
Memory	4x 2GB DDR3 1333MHz (8GB)		
Cooling			
Fan type	4x 80mm Hot-swap 4-pin PWM Fans		
Hot swap Fan	4		
On-Board Devices			
Keyboard / mouse	USB connector		
Chipset	Intel® C226 Express PCH		
Audio	HD Audio 7.1 channel connector by Realtek ALC1150		
USB ports	8x USB 3.0 (4 rear + 4 via headers) 6xUSB 2.0 (2 rear + 4 via headers)		
Network card	Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)		
Embedded RAID Controller	Embedded Onboard RAID for system hard drive		

DISTRBUTED BY

