

## Ernitec Build-ER400-ESR

4bay Tower surveillance server



- > Supports up to 400 megapixel fps recording
- > Dual Gigabit network card
- > 4 Hot Swappable HDD bays
- > 1GB Video Adapter with VGA, DVI and HDMI outputs
- > ESR – smart recovery solution
- > Windows® OS installed on dedicated hard disk drive
- > 3 year Warranty

The Build-ER400-ESR is a powerful line of surveillance recorders that are optimized to work with NVR Software for sensitive & long-term storage of IP/Megapixel cameras.

The Build-ER400-ESR is engineered to optimize the way processor, memory, graphics, OS and software technology work together to deliver massive recording power

The Build-ER400-ESR brings new standards to the market with specialty developed configuration GUI for language selection, network settings that simplifies the installation and together with the unique ESR software developed to backup the complete machine including OS and VMS settings.

All systems have been hardware tested between 24 to 72 hours together with 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 e-mail server notification give you early warnings if a problem is coming

# Ernitec Smart Recovery software – Ernitec Build-ER400-ESR

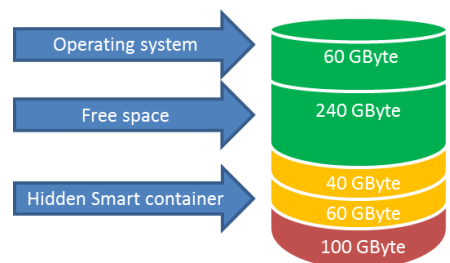
Ernitec Smart Recovery is the first and currently only recovery tool for surveillance servers and are designed especially for the surveillance marked.

ESR can saves you a huge amount of time/money on trying to find an error – now all software errors can be fixed at the customers location.



- 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-ER400-ESR

Customize options for the Build-ER surveillance server so it fits to your specific needs.

All hard drives are Enterprise performance drives that 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 DisplayPort monitors at resolutions up to 2560 x 1600 per output.

### Storage

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
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-300GB-SAS-15K-HDD-ESR	24/7 HDD SAS, 15000rpm optimized for RAID controller



### 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-hotspare	RAID config setting

### OS

Build-Win2008-64bit + 8GB RAM	OS and RAM upgrade option to 64bit and 4x2GB RAM
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### CPU

Build-CPU-Upgrade to 1200MP	INTEL Core i7-3770 3,1GHz LGA1154 CPU upgrade option for Build-ER400-ESR series
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### Graphic controller

Build-ERC-4monitor	Graphic card for 4 monitors with 4 displayport or 4 DVI output
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# Technical Specification – Ernitec Build-ER400-ESR

Features		Power	
Recording frame rate at resolution 1280 x 720	Max. 400 / MJPEG	Fix PSU	500W high-efficiency power supplies with PMBus
System Hard drive with OS	1	Power requirements	100v -240V AC/50-60Hz/500W
Optisk drive	DVD-rw	Management	
Graphic controller	1GB - VGA, DVI, HDMI (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
Closed Network E-mail to client	Yes	Dimensions / Weights	
Auto-rebooting after power failure	Yes	Form Factor	Tower
Storage		Rack option	No
Storage interface	SATA / SAS with RAID controller option	Dimensions (HxWxD mm)	427x178x531
Storage included	-	Weight	19,7KG
Storage bays	4x 3,5" hot swap bays	General	
RAID controller upgrade option	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	se 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	Windows 2008 R2 64bit with 8GB RAM	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-ER400-ESR
CPU	INTEL Core I5-3470 3,2GHz LGA1155 6MB		
CPU upgrade option	INTEL Core I7-3770 3,1GHz LGA1155		
Memory	4x 2GB DDR3 1333MHz (8GB)		
Cooling			
Fan type	1x 92mm Front Thermal Fan		
Hot swap Fan	-		
On-Board Devices			
Keyboard / mouse	PS / 2 shared connector		
Chipset	Intel P67 Express chipset		
Audio	Realtek ALC889 7.1HD, Line-in / Line-out / Microphone ports		
USB ports	2x USB 3.0 + 12x USB 2.0		
Network card	2x Gigabit LAN ports Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output		
Embedded RAID Controller	Embedded Onboard RAID for system hard drive		

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