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Ernitec Build-ESR600R

2U19" RACK Surveillance Server

> Supports up to 600 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 RAID 1 configuration

> 3 year Warranty

The Build-ESR600R 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-ESR600R 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.

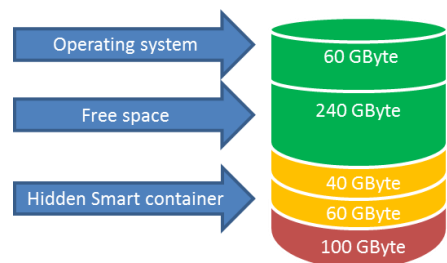## Ernitec Smart Recovery software – Ernitec Build-ESR600R

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 thecomplete 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

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Upgrade options – Ernitec Build-ESR600R

Customize options for the Build-ERS survaliance server, enables you to design the server to the project requirments.

All hard drives are Enterprice performance rated which are optimized for 24/7 sursurvaliance 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-RAIDJOBD-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

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Upgrade options – Ernitec Build-ESR600R

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

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

Software Options	
BUILD-VCA-1CH-A	Factory Installation of 1 Channel Video Analytics Advance Surveillance with people counting

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Technical Specification — Ernitec Build-ESR600R

Features	
Recording frame rate at resolution 1280 x 720	*Up to 600/sec in H.264
System Hard drive with OS	2 in RAID 1 (1+1)
Optical drive	DVD-RW
Graphic controller for 2 monitor output	**1GB - 1xVGA, 1xDVI-D, 1xHDMI, 1xThunderbolt (op to 2560x1600)
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes

Storage	
Storage interface	SATA / SAS with RAID controller option
Storage included	-
Storage bays	8 x 3,5" hot swap bays
Upgrade option; RAID controller	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info

OS support	
OS	Windows 7 ultimate 64bit
Upgrade option; Win OS	Windows 2012R2 64bit

CPU / Memory	
CPU	INTEL Core I5-4440 3,1GHz LGA1150 6MB
Upgrade option; CPU	INTEL XEON E3-1245V3, 3,3GHz LGA1150
Memory	4x 2GB DDR3 1333MHz (8GB)

Cooling	
Fan type	80x38mm 4-pin PWM Fans
Hot swap Fan	3

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

Power	
Redundant PSU	720W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C
Power requirements	100v -240V AC/50-60Hz/500W

Management	
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
Software	SuperDoctor III

Dimensions / Weights	
Form Factor	2U 19"
Rack rails	Yes
Dimensions (HxWxD mm)	89x437x648
Weight	26,6KG

General	
Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Operation conditions	Temperature range from +5°C to +35°C
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
warranty	3 years
Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK,
Part number	Build-ESR600R

DISTRBUTED BY

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*Tested with Ernitec DVMS 6.4.3 and Ernitec Mercury SX302IR
* *Using different cables with the on board graphic card can cause small differences to the images on the monitors connected
We reserve the right to introduct product modifications without notice