

Ernitec Build-ESR600

4bay Tower Surveillance Server



- > Supports up to 600 megapixel fps recording
- > Dual Gigabit network card
- > 4 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-ESR600 is a powerful video surveillance recorder that's optimized to work with CCTV recording Software for sensitive & long-term storage of IP/Megapixel cameras.

The Build-ESR600 is engineered to optimize 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 together with the unique ESR software developed by Ernitec to backup the complete machine including OS and VMS settings.

All systems have been hardware tested over 24 together with more than 60 unique systems settings before leaving the assembling line to make sure that the server will run 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-ESR600

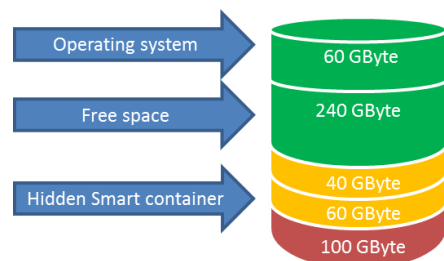
Ernitec Smart Recovery is the first and currently only recovery tool for surveillance servers that is designed especially for the surveillance market.

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-ESR600

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-ESR600

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

| | |
|------------------------|--|
| 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 |
|------------------------|---|



Capture Card

| | |
|----------------------------------|---|
| BUILD-EVR-16ANA-CARD-ONLY | 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-ESR600

| Features | | Power | |
|---|---|-----------------------------------|--|
| Recording frame rate at resolution 1280 x 720 | *Up to 600/sec in H.264 | Fix PSU | 500W high-efficiency power supplies with PM Bus |
| 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 | Tower |
| Storage | | Dimensions (HxWxD mm) | 424x193x525 |
| Storage interface | SATA / SAS with RAID controller option | Weight | 16,6KG |
| Storage included | - | General | |
| Storage bays | 4x 3,5" hot swap bays | Languages | 25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish |
| RAID controller upgrade option | 8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare | Operation conditions | Temperature range from +5°C to +35°C |
| Storage hard drive options | se upgrade options for more info | Operating Relative Humidity Range | 8% ~ 90% (non-condensing) |
| OS support | | warranty | 3 years |
| OS | Windows 7 ultimate 64bit | Included accessories | 1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, |
| Upgrade option; Win OS | Windows 2008 R2 64bit | Part number | Build-ESR600 |
| 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 | 1x 92mm Front Thermal Fan | | |
| 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

