

Pegasus 5 Series

E5 Surveillance Servers

- Up to Two Xenon E5 Intel Processors
- Dual Gigabit Network Card
- Up to 36 Hot Swappable HDD bays
- 864 TB Storage with External JBOB
- 1U, 2U, 3U and 4U Rack options
- Integrated 12Gbps Raid Controller
- Battery Backed Raid Controller
- Windows ® Server 2016 on SSD
- Dual Power Supply
- 3 year Warranty

Massive Power

The Pegasus 5 Series is a powerful video surveillance server range that can take up to two Xeon E5 processors which is optimized to work with CCTV recording Software for sensitive & long-term storage of hundreds of IP/Megapixel cameras.

Optimized for Surveillance

The Pegasus 5 Series is engineered to optimize the way the processor, memory, graphics, OS and software technology work together to deliver massive recording power.

Tuned and Tested

All systems have been hardware tested over 24 hours 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.

Ernitec Smart Backup

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 Ernitec software developed by Ernitec to back-up the complete machine including OS and VMS settings to internal hardware.

Battery Backed 12Gbps Raid Controller

Integrated to the mother board is a new 12Gbps hardware raid controller, doubling the speed of our current 6Gbps raid card with secondary benefit of freeing up a PCI slot on the motherboard.

5 Series Numbering System

Part Number	Description
BUILD-ESR-5104	5 series 1UH, 4 Storage Bays
BUILD-ESR-5208	5 series 2UH, 8 Storage Bays
BUILD-ESR-5316	5 series 3UH, 16 Storage Bays
BUILD-ESR-5436	5 series 4UH, 36 Storage Bays

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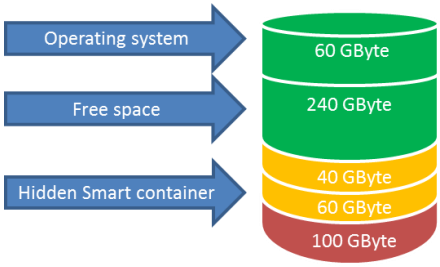
Ernitec Smart Recovery software

- 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



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The Range

The Pegasus 5 series range consists of 4 new chassis types along with a external JBOD storage solution.



BUILD-ESR-5104

The 4 Bay 1 UH chassis can be used as a small recording server, a high powered client with our monitor card options packs and as the brain for a large storage solution using our external JBOD storage rack solitons.



BUILD-ESR-5208

The 8 Bay 2 UH chassis can be used as a high powered recording server and high powered client with our monitor card options packs. Ideal for projects with large resolution and video analytics.



BUILD-ESR-5316

The 16 Bay 3 UH chassis can be used as a high powered recording server with large storage requirements. Ideal for projects with large resolution and video analytics.



BUILD-ESR-5436

The 36 Bay 4 UH chassis can be used as a high powered recording server with massive storage requirements. Ideal for projects with large resolution and lots of storage.

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External Storage

The Pegasus 5 Series is designed with large systems in mind requiring high CPU power and large video storage. At Ernitec we recognize that many end users are insisting on retaining their video storage for longer, sometimes up to a years recording is demanded. On top of this fact the image sizes and quality of video is increasing all the time and VMS vendors including Ernitec are allowing more licenses to be included in a server further increasing the need for more storage. With all these facts in mind we have selected a range for external options to meet this demand.



BUILD-E5212

The 12 Bay 2 UH JBOD External Storage chassis comes complete with HBA SAS/SATA Raid controller card fitted to server and cable for connection.



BUILD-E5424

The 24 Bay 4 UH JBOD External Storage chassis comes complete with HBA SAS/SATA Raid controller card fitted to server and cable for connection.



BUILD-E5212-EX

The 12 Bay 2 UH JBOD Additional External Storage expansion chassis comes complete cable for connection. Up to 6 units can be daisy chained.



BUILD-E5424-EX

The 24 Bay 4 UH JBOD Additional External Storage expansion chassis comes complete cable for connection. Up to 6 units can be daisy chained.

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Pegasus E5 Series Upgrade options

Customize options for the Pegasus 5 Series surveillance server range, enables you to design the server to the project requirments. All Motherboards in the range are capable of running two CPUs we have a selection of CPUs that not only offer massive power possibility's but are good value as well.

CPU Pass Mark Scores

	Intel Xeon E5-2630 v3 @ 2.40GHz	Intel Xeon E5-2650 v3 @ 2.30GHz	Intel Xeon E5-2680 v3 @ 2.50GHz
Socket Type	LGA2011-v3	LGA2011-v3	LGA2011-v3
CPU Class	Server	Server	Server
Clockspeed	2.4 GHz	2.3 GHz	2.5 GHz
Turbo Speed	Up to 3.2 GHz	Up to 3.0 GHz	Up to 3.3 GHz
# of Physical Cores	8 (2 logical cores per physical)	10 (2 logical cores per physical)	12 (2 logical cores per physical)
Max TDP	85W	105W	120W
# of Samples	82	28	29
Single Thread Rating	1761	1716	1877
CPU Mark	12841	15239	18890



E5-2630v4	BUILD-E5-CPU-E5-2650v4	BUILD-E5-CPU-E5-2680v4
The E5-2630v4 is our entry level which is fitted as standard in our 5 series range.	The E5-2650v4 option has 30% more power than the standard E5-2630v4 processor.	The E5-2680v4 option has 60% more power than the standard E5-2630v4 processor.
BUILD-E5-2X-CPU	**BUILD-E5-2X-CPU-E5-2650v4**	**BUILD-E5-2X-CPU-E5-2680v4**
We fit an extra E5-2630v4 to your Pegasus 5 series server.	We fit two E5-2650v4 to your Pegasus 5 series server.	We fit two E5-2680v4 to your Pegasus 5 series server.



RAM UPGRADE	
BUILD-E5-UPGRADE-RAM-32GB	RAM upgrade to 32BG, the 5 Series can take up to 2TB RAM if required
RAM UPGRADE	
BUILD-E5-UPGRADE-RAM-64GB	RAM upgrade to 64BG, the 5 Series can take up to 2TB RAM if required

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Pegasus E5 Series Upgrade options

Customize options for the BUILD-ERS Surveillance servers enable 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 eight Display Port monitors at resolutions up to 2560 x 1600 per output.

Monitor Cards	Description
BUILD-ERC-2MONITOR	GRAPHIC CARD FOR 2 MONITORS, 1 HDMI, 1 DVI output
BUILD-ERC-4MONITOR	GRAPHIC CARD FOR 4 MONITORS, 4 display port, 4 DVI output
BUILD-ERC-6MONITOR	GRAPHIC CARD FOR 6 MONITORS, 6 display port, 6 DVI output
BUILD-ERC-8MONITOR	GRAPHIC CARD FOR 8 MONITORS, 8 display port, 8 DVI output






Network Cards	Description
BUILD-NIC-1GB	INTEL GIGABIT NETWORK ADAPTER, 1 extra network port for
BUILD-FIBER-1	FIBER SERVER ADAPTER, 1Gb or 10 Gb Single Port SFP+
BUILD-FIBER-2	FIBER SERVER ADAPTER, 1Gb or 10Gb Dual Port SFP+
BUILD-SFP-LX	FIBRE TRANSCEIVER, 10Gig Base-LR 1000Base-LX
BUILD-SFP-SX	FIBRE TRANSCEIVER, 10Gig Base-SR 1000Base-SX



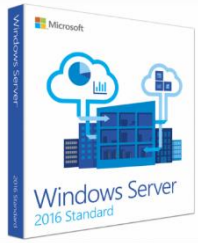



RAM Options	Description
BUILD-CPU-UPGRADE TO 2800MP	Upgrade to: Intel 7th Gen E3 Kaby Lake
BUILD-CPU-UPGRADE TO 2800MPS	Upgrade to: Intel 7th Gen i7 SkyLake
BUILD-UPGRADE-RAM-16GB	16 GIG RAM, Addition of 2 x 4 Gig Strips
BUILD-UPGRADE-RAM-32GB	32 GIG RAM, Addition of 4 x 8 Gig Strips

OS Options	Description
BUILD-WIN-10-PRO-STD	WINDOWS 10 Standard Install
BUILD-WIN2016R-STD-ESR	WINDOWS Standard, 16 cores







* All Monitor cards can fit into the BUILD-ESR1000-4R using a riser card.
** Only the 2 and 4 way monitor cards fit into the BUILD-ESR1000-8R, 8 Bay 2 U RACK
*** BUILD-CPU-UPGRADE TO 2800MPS is only used for BUILD-ESR1000-4R upgrade to 2800MP

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Pegasus E5 Series Upgrade options

Hard Drive Selection

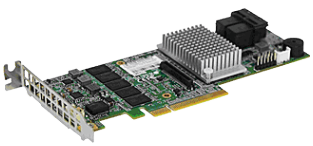
We have a wide range of hard drives to go with your Pegasus Server. This enables you to design the server to the project requirements. All hard drives Are Enterprise performance rated which are optimized for 24/7 Surveillance use. Our hardware RAID controllers support 1.5, 3.0 and 6.0 Gb/s SAS and SATA data transfer rates on all channels.

Advance Replacement Drives

When you purchase hard drives from Ernitec we offer you a next day advance replacement hard drive service, just contact the RMA return department and give them the serial number or invoice number and we will ship you a new hard drive in advance of the returned faulty unit.

Drive Options	
SATA Drives	
BUILD-1TB-SATA-HDD-ESR	1 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-2TB-SATA-HDD-ESR	2 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-3TB-SATA-HDD-ESR	3 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-4TB-SATA-HDD-ESR	4 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-6TB-SATA-HDD-ESR-NV	6 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-8TB-SATA-HDD-ESR	8 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
BUILD-10TB-SATA-HDD-ESR	10 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
SAS Drives	
BUILD-1TB-SAS-HDD-ESR	1 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-2TB-SAS-HDD-ESR	2 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-3TB-SAS-HDD-ESR	3 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-4TB-SAS-HDD-ESR	4 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-6TB-SAS-HDD-ESR	6 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-8TB-SAS-HDD-ESR	8 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
BUILD-12TB-SAS-HDD-ESR	12 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
Live Data Base Drives	
BUILD-300GB-SAS-15K-HDD-ESR	300 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
BUILD-450GB-SAS-15K-HDD-ESR	450 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
BUILD-600GB-SAS-15K-HDD-ESR	600 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
BUILD-1800GB-SAS-10K-HDD-ESR	1800 GB 24/7 HDD SAS, 10000rpm optimized for RAID controller
SSD Drives	
HDD-512GB-SSD	24/7 HDD SSD for high speed live database requirements
HDD-1000GB-SSD	24/7 HDD SSD for high speed live database requirements









RAID Options	
BUILD-8CH-RAID-CONT-V2	8ch controller, 12GB/s per port, 0,1,5,6,10,50,60 + hot spare
BUILD-RAID-BBU	RAID CARD BATTERY BACKUP KIT
Build-RAID0-Setting	RAID config setting
Build-RAID1-Setting	RAID config setting
BUILD-RAID1-SYS-SSD	Eatra 500GB SSD System Disc, 2 discs set to RAID-1
Build-RAID5-Setting	RAID config setting
Build-RAID6-Setting	RAID config setting
Build-RAID10-Setting	RAID config setting
Build-RAID50-Setting	RAID config setting
Build-RAIDJOBD-Setting	RAID config setting
Build-hotspare	RAID config setting

*Note Raid controller works with both 8 bay and 16 bay racks with active backplane.

** The BUILD-ESR1000-4R has space for one card, so you can use either a RAID or Monitor card.

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Technical Specification Ernitec Pegasus 5 Series BUILD-ESR-5104

Features	
Server Type	4 Bay Rack Server
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5”)
System HDD Option	2 x Samsung 850 EVO 500GB 2,5” RAID-1
Optical drive	DVD-RW
Monitor output	1 x VGA
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes
VMS	
Supported VMS	Ernitec, Milestone, Sony, Avigilon
Storage	
Storage interface	SATA / SAS with RAID controller option
Storage included	-
Storage bays	4 x 3,5" hot swap bays
Integrated RAID Controller	Hardware LSI 3108 SAS3 (12Gbps)
Raid Backup	Battery back up for RAID Controller
RAID Options	0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 2016STD 64bit
CPU / Memory	
CPU	INTEL Xeon E5-2630v4 2,20GHz
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz 1 x Xeon E5-2680v3 2,50GHz 2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz 2 x Xeon E5-2680v3 2,50GHz
Memory	16GB 2133MHz DDR4 ECC
Cooling	
Fan type	5x 4cm Counter-rotating PWM fans
Hot swap Fan	5
On-Board Devices	
Motherboard	Dual socket R3 (LGA2001) supports Intel Xeon E5 V3/4 family processors
Keyboard / mouse	USB connector
Chipset	Intel® C612 Express PCH
USB ports	4x USB 3.0 (2 rear + 2 via headers) 3xUSB 2.0 (1 Type A + 2 via headers)
Network card	Dual Gigabit Ethernet LAN ports (1x Realtek RTL8211E PHY & 2x Intel® i210AT)
Embedded RAID Controller	Embedded Onboard RAID for system hard drive

Power	
Redundant PSU	1000W (1+1) high-efficiency (95%+) AC-DC Redundant power supplies with PMBus
Power requirements	100v -240V AC/50-60Hz/920W
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	IPMI 2.0, SPM, SUM, SuperDoctor® 5, Intel® Node Manager 3.0, Watch Dog
Dimensions / Weights	
Form Factor	1U 19” Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	178x437x699
Weight	36,3KG
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-ESR-5104



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Technical Specification Ernitec Pegasus 5 Series BUILD-ESR-5208

Features	
Server Type	8 Bay Rack Server
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5”)
System HDD Option	2 x Samsung 850 EVO 500GB 2,5” RAID-1
Optical drive	DVD-RW
Monitor output	1 x VGA
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes
VMS	
Supported VMS	Ernitec, Milestone, Sony, Avigilon
Storage	
Storage interface	SATA / SAS with RAID controller option
Storage included	-
Storage bays	8 x 3,5" hot swap bays
Integrated RAID Controller	Hardware LSI 3108 SAS3 (12Gbps)
Raid Backup	Battery back up for RAID Controller
RAID Options	0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 2016STD 64bit
CPU / Memory	
CPU	INTEL Xeon E5-2630v4 2,20GHz
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz 1 x Xeon E5-2680v3 2,50GHz 2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz 2 x Xeon E5-2680v3 2,50GHz
Memory	16GB 2133MHz DDR4 ECC
Cooling	
Fan type	3 x 80mm middle cooling fans Redundant cooling
Hot swap Fan	3
On-Board Devices	
Motherboard	Dual socket R3 (LGA2001) supports Intel Xeon E5 V3/4 family processors
Keyboard / mouse	USB connector
Chipset	Intel® C612 Express PCH
USB ports	4x USB 3.0 (2 rear + 2 via headers) 3xUSB 2.0 (1 Type A + 2 via headers)
Network card	Dual Gigabit Ethernet LAN ports (1x Realtek RTL8211E PHY & 2x Intel® i210AT)
Embedded RAID Controller	Embedded Onboard RAID for system hard drive

Power	
Redundant PSU	740W (1+1) high-efficiency (95%+) AC-DC Redundant power supplies with PMBus
Power requirements	100v -240V AC/50-60Hz/920W
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	IPMI 2.0, SPM, SUM, SuperDoctor® 5, Intel® Node Manager 3.0, Watch Dog
Dimensions / Weights	
Form Factor	2U 19” Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	178x437x699
Weight	36,3KG
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-ESR-5208



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Technical Specification Ernitec Pegasus 5 Series BUILD-ESR-5316

Features	
Server Type	16 Bay Rack Server
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5”)
System HDD Option	2 x Samsung 850 EVO 500GB 2,5” RAID-1
Optical drive	DVD-RW
Monitor output	1 x VGA
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes
VMS	
Supported VMS	Ernitec, Milestone, Sony, Avigilon
Storage	
Storage interface	SATA / SAS with RAID controller option
Storage included	-
Storage bays	16 x 3,5" hot swap bays
Integrated RAID Controller	Hardware LSI 3108 SAS3 (12Gbps)
Raid Backup	Battery back up for RAID Controller
RAID Options	0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 2016STD 64bit
CPU / Memory	
CPU	INTEL Xeon E5-2630v4 2,20GHz
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz 1 x Xeon E5-2680v3 2,50GHz 2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz 2 x Xeon E5-2680v3 2,50GHz
Memory	16GB 2133MHz DDR4 ECC
Cooling	
Fan type	5x 80mm middle cooling fans Redundant cooling
Hot swap Fan	5
On-Board Devices	
Motherboard	Dual socket R3 (LGA2001) supports Intel Xeon E5 V3/4 family processors
Keyboard / mouse	USB connector
Chipset	Intel® C612 Express PCH
USB ports	4x USB 3.0 (2 rear + 2 via headers) 3xUSB 2.0 (1 Type A + 2 via headers)
Network card	Dual Gigabit Ethernet LAN ports (1x Realtek RTL8211E PHY & 2x Intel® i210AT)
Embedded RAID Controller	Embedded Onboard RAID for system hard drive

Power	
Redundant PSU	1000W (1+1) high-efficiency (95%+) AC-DC Redundant power supplies with PMBus
Power requirements	100v -240V AC/50-60Hz/920W
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	IPMI 2.0, SPM, SUM, SuperDoctor® 5, Intel® Node Manager 3.0, Watch Dog
Dimensions / Weights	
Form Factor	3U 19” Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	178x437x699
Weight	36,3KG
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-ESR-5316





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Technical Specification Ernitec Pegasus 5 Series BUILD-ESR-5436

Features	
Server Type	36 Bay Rack Server
System Hard drive with OS	1 SSD (Samsung 850 EVO 500GB 2,5”)
System HDD Option	2 x Samsung 850 EVO 500GB 2,5” RAID-1
Optical drive	DVD-RW
Monitor output	1 x VGA
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes
VMS	
Supported VMS	Ernitec, Milestone, Sony, Avigilon
Storage	
Storage interface	SATA / SAS with RAID controller option
Storage included	-
Storage bays	36 x 3,5" hot swap bays
Integrated RAID Controller	Hardware LSI 3108 SAS3 (12Gbps)
Raid Backup	Battery back up for RAID Controller
RAID Options	0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 2016STD 64bit
CPU / Memory	
CPU	INTEL Xeon E5-2630v4 2,20GHz
CPU Upgrade options	1 x Xeon E5-2650v4 2,30GHz 1 x Xeon E5-2680v3 2,50GHz 2 x Xeon E5-2630v4 2,20GHz 2 x Xeon E5-2650v4 2,30GHz 2 x Xeon E5-2680v3 2,50GHz
Memory	16GB 2133MHz DDR4 ECC
Cooling	
Fan type	7x 80mm middle cooling fans Redundant cooling
Hot swap Fan	7
On-Board Devices	
Motherboard	Dual socket R3 (LGA2001) supports Intel Xeon E5 V3/4 family processors
Keyboard / mouse	USB connector
Chipset	Intel® C612 Express PCH
USB ports	4x USB 3.0 (2 rear + 2 via headers) 3xUSB 2.0 (1 Type A + 2 via headers)
Network card	Dual Gigabit Ethernet LAN ports (1x Realtek RTL8211E PHY & 2x Intel® i210AT)
Embedded RAID Controller	Embedded Onboard RAID for system drive

Power	
Redundant PSU	1280W (1+1) high-efficiency (95%+) AC-DC Redundant power supplies with PMBus
Power requirements	100v -240V AC/50-60Hz/920W
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	IPMI 2.0, SPM, SUM, SuperDoctor® 5, Intel® Node Manager 3.0, Watch Dog
Dimensions / Weights	
Form Factor	4U 19” Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	178x437x699
Weight	36,3KG
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-ESR-5436



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