Pegasus Server Series

Just Add Drives

- 600 & 1800 Megapixel fps recording
- Dual Gigabit Network Card
- 4, 8 or 16 Hot Swappable HDD bays
- 1GB Graphic controller
- Rack Versions inc 6Gbps RAID Card
- ESR – Ernitec Smart Recovery
- Windows® 8.1 Pro OS installed
- SSD System Drive
- 3 year Warranty

Pegasus Series

The Pegasus Series is a range of servers you can purchase off the shelf. The concept is designed to offer fast deployment of professional servers to the security industry. Rack versions come with RAID controller pre-installed. All you need to do is add hard drives.

Optimized For Surveillance

The Pegasus range 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 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 Advance Replacement Hard Drives

When you order Ernitec part number hard drives with your Pegasus Server you have the added benefit of a 3 year advance replacement service on the drives.

Ernitec Smart Recovery

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 back-up the complete machine including OS and VMS settings.

Hardware Monitoring

Special hardware management software and the ESR INFO notification server give you early warnings if a problem is detected so you can keep your server health.

Different Configurations

Part Number	Description	Raid Card
PEGASUS-ESR600-4T	4 BAY 600 Meg TOWER	Option
PEGASUS-ESR1800-4T	4 BAY 1800 Meg TOWER	Option
PEGASUS-ESR1800-8T	8 BAY 1800 Meg TOWER	Option
PEGASUS-ESR1800R-8R	8 BAY 1800 Meg RACK	Included
PEGASUS-ESR1800R-16R	16 BAY 1800 Meg RACK	Included

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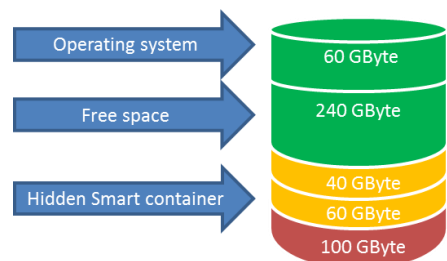Tempovej 41
2750 Ballerup
Denmark

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

Operating system	60 GByte
Free space	240 GByte
Hidden Smart container	40 GByte
	60 GByte
	100 GByte

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Additional Parts For Pegasus Series

Hard Drive Selection

We have a wide range of hard drives to go wih your Pegasus Server. This 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. 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 returns department and give them the serial number or invoice number and we will ship you a new hard drive in advance of the returned the faulty unit.

Drive Options	
SATA Drives	
HDD-1000GB	1 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-2000GB	2 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-3000GB	3 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-4000GB	4 Terabit 24/7 HDD SATA industrial 7200rpm
HDD-6000GB	6 Terabit 24/7 HDD SATA industrial 7200rpm
SAS Drives	
HDD-1000GB-SAS	1 Terabit 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-2000GB-SAS	2 Terabit 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-3000GB-SAS	3 Terabit 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-4000GB-SAS	4 Terabit 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-6000GB-SAS	6 Terabit 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-300GB-SAS-15K	300GB 24/7 HDD SAS, 15000rpm 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	
Pegasus-8ch-RAID-CARD	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare

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

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Denmark

EVR 7 Professional VMS For Pegasus Servers

Ernitec Video Management System with EasyMon

When designing a CCTV system you try to cover all angles and offer the best solution to a customer, however more often than not when a customer sees the quality of the megapixel cameras that have been installed customers will come back and ask for more cameras. If you have purchased a Linux box NVR solution this means you have add a whole new unit just for maybe one of two more cameras. This is not the case with the EVR Software, if you want to upgrade you simply add the extra licenses you want to increase the system size. We offer many upgrade options that can ultimately take your system an unlimited amount of cameras.

EVR Part Numbers

EVR-PRO CHANNEL	PRO-ENTERPRISE UPGRADE	ENTERPRISE CHANNEL
EVR Pro single channel license 5 users, 1 Server. Expansion max 50 channels. Partno: 0063-99997	Software upgrade from Pro to Enterprise version for 1 channel. To run enteprise all Pro channels need to be upgraded. Partno: 0063-99996	EVR Enterprise single channel license 10 users, 5 Servers. Expansion max 128 channels. Partno: 0063-99999

MASTER SERVER EXTENSION	SERVER EXTENSION	USER EXTENSION
Master server license for additional servers from 6 to 20 and 20 users for EVR Enterprise. Active directory integration. Partno: 0063-99995	Master Hydra extension license for additional 10 servers on top of 0063-99995 use this part number to increase in steps of 10 to 150 Part no: 0063-99994	License for additional 10 users in VMS Pro and VMS Enterprise. Partno: 0063-99993

VIDEO ANALYCTICS CHANNEL	ANPR	REPORTING TOOL
VCA Surveillance License, enterprise license required to run Video Analytics. Partno: 0063-99988	4 Channel ANPR Base License Enterprise license required to run ANPR Partno: 0063-99987	Data mining tool for system administrators Enterprise license required to run Reporting Tool Partno: 0063-99990

Technical Specification PEGASUS-ESR600-4T

Features

Recording frame rate at resolution 1280 x 720	*Up to 600/sec in H.264
System Hard drive with OS	1 SSD
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	4x 3,5" hot swap bays
RAID controller optional	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	se upgrade options for more info

OS support

OS	Windows Embedded 8.1 Pro 64bit
Upgrade option; Win OS	Windows 2008 R2 64bit

CPU / Memory

CPU	INTEL Core I5-4440 3,1GHz LGA1150 6MB
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

Power

Fix PSU	500W high-efficiency power supplies with PM Bus
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	Ernitec ESR & SuperDoctor III

Dimensions / Weights

Form Factor	Tower
Dimensions (HxWxD mm)	424x193x525
Weight	16,6KG

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	PEGASUS-ESR600-4T

Options

RAID Card	PEGASUS-8CH-RAID-CARD
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR

*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

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Technical Specification PEGASUS-ESR1800-4T

Features

Recording frame rate at resolution 1280 x 720	*Up to 1800/sec in H.264
System Hard drive with OS	1 SSD
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	4x 3,5" hot swap bays
RAID controller optional	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	se upgrade options for more info

OS support

OS	Windows Embedded 8.1 Pro 64bit
Upgrade option; Win OS	Windows 2008 R2 64bit

CPU / Memory

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

Power

Fix PSU	500W high-efficiency power supplies with PM Bus
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	Ernitec ESR & SuperDoctor III

Dimensions / Weights

Form Factor	Tower
Dimensions (HxWxD mm)	424x193x525
Weight	16,6KG

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	PEGASUS-ESR1800-4T

Options

RAID Card	PEGASUS-8CH-RAID-CARD
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR

*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

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Technical Specification PEGASUS-ESR1800-8T

Features

Recording frame rate at resolution 1280 x 720	*Up to 1800/sec in H.264
System Hard drive with OS	1 SSD
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
RAID controller optional	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	se upgrade options for more info

OS support

OS	Windows Embedded 8.1 Pro 64bit
Upgrade option; Win OS	Windows 2012R2 64bit

CPU / Memory

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

Power

Fix PSU	665W Super Quiet (25dB) (Bronze Level) High-efficiency PS
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	Ernitec ESR & SuperDoctor III

Dimensions / Weights

Form Factor	Tower
Dimensions (HxWxD mm)	452x178x648
Rack Kit	Option Part No: RACKKIT
Weight	29,6KG

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	PEGASUS-ESR1800-8T

Options

RAID Card	PEGASUS-8CH-RAID-CARD
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR

*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

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Technical Specification PEGASUS-ESR1800R-8R

Features	
Recording frame rate at resolution 1280 x 720	*Up to 1800/sec in H.264
System Hard drive with OS	1 SSD
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
Storage included	-
Storage bays	8 x 3,5" hot swap bays
RAID controller Included	8ch controller, 6 GB/s per port, 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	se upgrade options for more info

OS support	
OS	Windows Embedded 8.1 Pro 64bit
Upgrade option; Win OS	Windows 2012R2 64bit

CPU / Memory	
CPU	INTEL XEON E3-1245V3, 3,3GHz LGA1150
Memory	4x 4GB DDR3 1333MHz (16GB)

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 PM Bus and I2C
Power requirements	100v -240V AC/50-60Hz/720W

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	Ernitec ESR & SuperDoctor III

Dimensions / Weights	
Form Factor	2U 19" Rack Frame
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	PEGASUS-ESR1800R-8R

Options	
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR

*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

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Technical Specification PEGASUS-ESR1800R-16R

Features	
Recording frame rate at resolution 1280 x 720	*Up to 1800/sec in H.264
System Hard drive with OS	1 SSD
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
Storage included	-
Storage bays	16 x 3,5" hot swap bays
RAID controller Included	16ch 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 Embedded 8.1 Pro 64bit
Upgrade option; Win OS	Windows 2012R2 64bit

CPU / Memory	
CPU	INTEL XEON E3-1245V3, 3,3GHz LGA1150
Memory	4x 4GB DDR3 1333MHz (16GB)

Cooling	
Fan type	3x 80mm Hot-swap 4-pin PWM Fans 2x 80mm Rear-exhaust 4-pin PWM Fans
Hot swap Fan	5

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	920W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C
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	Ernitec ESR & SuperDoctor III

Dimensions / Weights	
Form Factor	3U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	132x437x648
Weight	34,7KG

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	PEGASUS-ESR1800R-16R

Options	
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR

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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

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