

Pegasus Series

The Pegasus v3 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 hours together with more than 87 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 HDDs

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

Pegasus Server V3 Series

Stock Series Just Add Drives

- 1000 & 2800 Megapixel FPS recording
- Dual Gigabit Network Card
- 4, 8,12 or 16 Hot Swappable HDD bays
- Intel i5, I7 or E3 Xeon Kaby Lake CPUs
- IPMI Remote Access
- Rack Versions inc 12Gbps RAID Card
- ESR V3 USB Ernitec Smart Recovery[®]
- Windows[®] 10 IoT Pro OS installed
- 240 or 500Gb SSD System Drive
- 3 year Warranty

Ernitec Smart Recovery Version Two

The new Version of ESR can now be accessed from the desktop, with this unique software developed by Ernitec you can back-up the complete machine including OS and VMS settings. We are also bringing new standards to the server market with a specially developed configuration GUI for language selection and network settings that simplifies the installation.

Hardware Remote Access

Special hardware IPMI management and notifycation server give you early warnings if a problem is detected so you can keep your server healthy.

Pegasus Configuration Table

Part Number	Description	Raid Card
PEGASUS-ERC-CLIENT	1000MP VIEWING TOWER	N/A
PEGASUS-ESR2800-4C	4 BAY 2800 Meg CUBE	Option
PEGASUS-ESR1000-4T	4 BAY 1000 Meg TOWER	Option
PEGASUS-ESR2800-4T	4 BAY 2800 Meg TOWER	Option
PEGASUS-ESR2800-8T	8 BAY 2800 Meg TOWER	Option
PEGASUS-ESR2800R-4R	4 BAY 2800 Meg 1U RACK	Included
PEGASUS-ESR2800R-8R	8 BAY 2800 Meg 2U RACK	Included
PEGASUS-ESR2800R-12R	12 BAY 2800 Meg 2U RACK	Included
PEGASUS-ESR2800R-16R	16 BAY 2800 Meg 3U RACK	Included



- Ernitec Smart Recovery Designed for surveillance servers
- Automated backup of c: drive every day/week/month
- Only 15 minutes to restore the entire system
- V3 now supports back up to USB on motherboard

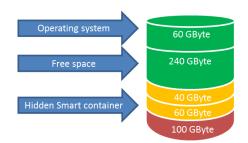
	ernitec SMART Recovery	Recovery		
	Create/update images	Create/update	images	
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	ernit		Restore Customer Image Al custom settings will be overwritten.	

- Backup the complete machine including OS and VMS settings.
- New Windows Desk Top user interface a backup server while its running.
- User defined scheduled backup.
- The most reliable recovery solution for surveillance servers on the market.
- Choose between four backup images



New desk top Icon for ESR

- Recover the complete machine including OS and VMS settings.
- ESR works on Windows 7, 8, 10 and server 2012 operating systems.
- ESR is pre-installed on all Ernitec ESR servers
- Internal USB fitted to all compatible servers for auto back up of your image, if your system disc fails just fit a new one and build your working image from the internal USB in minuets reducing down time and days or windows rebuilding.





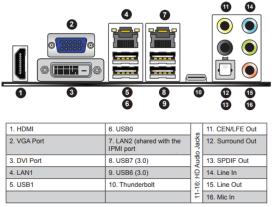
Intelligent Platform Management Interface (IPMI)

IPMI is an invaluable tool for any administrator, it enables them to monitor systems on a hardware level and perform essential maintenance remotely.

Without it system installation, trouble shooting and monitoring can be a costly time consuming experience. With collocated systems, a system crash/hang that requires a system reboot can in some situations require a trip to a data centre in another city. Simply probing the KVM to determine the fault and if necessary power cycling the node can be done in seconds resulting in much faster response times and ensure longer uptime of essential services. Even disregarding system failures, IPMI is a powerful tool for monitoring overall system health, applying firmware, BIOS and OS updates remotely, configuring new systems and using KVM to fully control the pre-OS and OS remotely. All of these factors make IPMI an excellent tool for reducing your TCO and improving your productivity as an administrator and your company's services as a whole.

IPMI CONNECTIVITY

All these features are delivered remotely over a standard IP network port on the managed system. Build Servers send IPMI traffic over the 2nd LAN port on the motherboard (eth2) alongside the systems standard IP traffic shown in item 7 below.



KVM Over IP Support

Using a Java based console it's possible to gain full graphical KVM access to a system over an IP network. This allows access at all times, even before an O/S has booted, giving access to the BIOS or DOS applications. It's even possible to perform installations of Linux and Windows remotely from this console.

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	Greeps R & & ++++		Servers. Str		14: Select Item Enter: Select */-: Change Opt, F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit
			Ver5100 2.15.1200.	Dopyright (C) 2012 Fmerican H	egati bilita, 1001

* Note the PEGASUS-ESR2800-4C and PEGASUS-ESR2800R-4R have no IPMI support.



At Ernitec we aim to make server configuration easy and transparent for our customers. That's why just looking at our stock number you can see the exact configuration and performance of the server. Just choose a model and add hard drives

All servers have a performance number 1000 or 2800. This refers to the total megapixel the server can handle for recording.

To find the server you need to multiply three numbers: resolution of camera X frames per second X number of cameras.

Example: 20 cameras in Full HD (2 megapixel) recording 25 frames per second. Equals 20 X 2 X 25 = 1000 megapixel.

Tower models

Part Number	Description	Raid Card
BUILD-ESR1000-4T	4 BAY 1000 Meg TOWER	Option
BUILD-ESR2800-8T	8 BAY 2800 Meg TOWER	Option

Rack models

Part Number	Description	Raid Card
BUILD-ESR1000-4R	4 BAY 1000 Meg RACK	Included
BUILD-ESR1000-8R	8 BAY 1000 Meg RACK	Included
BUILD-ESR2800R-12R	12 BAY 2800 Meg RACK	Included
BUILD-ESR2800R-16R	16 BAY 2800 Meg RACK	Included

Part Number Guide

Options	Part Number	Description
Name	PEGASUS	Off the shelf concept
Software	ESR	Ernitec Smart Recovery Installed
Performance	1000 or 2800	Total megapixel server rating
Raid Card Option	R	RAID controller included
HDD Capacity	4/8/12/16	Removable Hard Disk Capacity
Chassis Type	C/T/R	Cube, Tower or Rack Cabinet

Clients

Part Number	Description	Raid Card
PEGASUS-ERC-CLIENT	1000 MP Viewing TOWER	N/A



8 BAY RACK





4 BAY CUBE

8 BAY TOWER

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Ernitec Tempovej 41 2750 Ballerup Denmark

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	
HDD-1000GB	1 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-2000GB	2 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-3000GB	3 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-4000GB	4 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-6000GB	6 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-8000GB	8 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
HDD-10000GB	10 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
SAS Drives	
HDD-1000GB-SAS	1 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-2000GB-SAS	2 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-3000GB-SAS	3 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-4000GB-SAS	4 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
HDD-6000GB-SAS	6 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller





RAID *	
PEGASUS-8CH-RAID-CARD	8 channel HIGH performance RAID controller, 12 GB/s per port,
	0,1,5,6,10,50,60 + hot spare. 512 MB on-card cache

* Note Raid controller works with both 4, 8, 12 bay and 16 bay racks with active backplane.



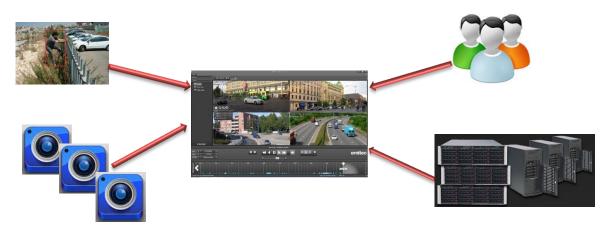
Graphic Controller * **	
PEGASUS-ERC-2MONITOR	Graphics card for 2 monitors with 1 HDMI port and 1 DVI output
PEGASUS-ERC-4MONITOR	Graphics card for 4 monitors with 4 display ports or 4 DVI outputs
PEGASUS-ERC-6MONITOR	Graphics card for 6 monitors with 6 display ports or 6 DVI outputs
PEGASUS-ERC-8MONITOR	Graphics card for 8 monitors with 8 display ports or 8 DVI outputs

* 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, 8 and 12 Bay 2 U RACK



EasyView Video Management System When designing a CCTV system you try to cover all angles and offer the best solution to the customer. However, more often than not when a customer sees the quality of the megapixel cameras that have been installed they will come back and ask for more cameras. If you have purchased a Linux box NVR solution this means you have to add a whole new unit just for maybe one of two more cameras. This is not the case with the EasyView 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 to an unlimited amount of cameras, users and servers, with several options for video analytic software and integration to 3rd party software.



EasyView Part Numbers

PRO v7 CHANNEL

EasyView Pro single channel license 5 users, 1 Server. Expansion max 50 channels. Partno: 0063-99997

MASTER SERVER EXTENSION

Master server license for additional servers from 6 to 20 and 20 users for EVR Enterprise. Active directory integration. Partno: 0063-99995

VIDEO ANALYCTICS CHANNEL

VCA Surveillance License, enterprise license required to run Video Analytics. Partno: 0063-99988

PRO-ENTERPRISE UPGRADE

Software upgrade from Pro to Enterprise version for 1 channel. To run enteprise all Pro channels need to be upgraded. Partno: 0063-99996

SERVER EXTENSION

Master server extension license for additional 10 servers on top of 0063-99995 use this part number to increase in steps of 10 to 150/ unlimited for special projects Part no: 0063-99994

ANPR

4 Channel ANPR Base License Enterprise license required to run ANPR Partno: 0063-99987

ENTERPRISE v7 CHANNEL

EasyView Enterprise single channel license. Max expansion; 128 channels, 10 users, 5 Servers. Inc 1 year warranty SMA Partno: 0063-99999

USER EXTENSION

License for additional 10 users in VMS Pro and VMS Enterprise. Partno: 0063-99993

REPORTING TOOL

Data mining tool for system administrators Enterprise license required to run Reporting Tool Partno: 0063-99990

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Ernitec Tempovej 41 2750 Ballerup Denmark

Technical Specification PEGASUS-ESR1000-4T

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 1000 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1x500 GB SSD		for AC power recovery
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 1xThunderbolt, up to 4096 x 2304	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Ernitec ESR software	Yes	Dimensions / Weights	
Ernitec Pre Server Configurate	or Yes	Form Factor	Tower
Auto-rebooting after	Yes	 Dimensions (HxWxD mm) 	426x178x531
power failure		Weight net.	Up to 22.7KG (Cabinet 16.7KG)
Storage		General	
Storage interface	M.2/SATA/SAS. RAID controller option	 Languages 	25 including : English, German, French,
Storage included	-	_	Spanish, Dutch, Danish, Italian, Finnish
Storage bays	4x 3,5" hot swap bays	_ Operation conditions	Temperature range from +5°C to +35°C
RAID controller	Order Separately	_ Operating Relative	8% ~ 90% (non-condensing)
Storage hard drive options	See upgrade options for more info	Humidity Range	
OS support		Warranty	3 years
OS	Windows 10 IoT Enterprise 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Upgrade option; Win OS	No	-	2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK
CPU / Memory		Part number	PEGASUS-ESR1000-4T
CPU Skylake	Intel Core I5-6400 2,7GHz LGA1151 6MB cache	Upgrade Options	
Memory	4x 2GB DDR4 2133MHz (8GB)	RAID Card (8/16) with BP	PEGASUS-8CH-RAID-CARD
Cooling		Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
Fan type	1x 92mm Front Thermal Fan	Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
On-Board Devices		Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
Keyboard / mouse	USB connector	Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR
Chipset	Intel [®] C236 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	***	_	Contraction of the local distance of the loc
Power			
Fixed PSU	500W high-efficiency power supplies	-	
Power requirements	100V -240V AC/50-60Hz/500W	_	

* Tested with Ernitec Easyview 7.5.10

** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected

*** Tested and not recommended for any Video Surveillance usage

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Technical Specification PEGASUS-ESR2800-4T

		_	
Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1x500 GB SSD		for AC power recovery
Graphic controller for 3	** 1xVGA, 1xDVI-D, 1xHDMI ,	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
monitor output	1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	Tower
Ernitec Pre Server Configurat	or Yes	- Dimensions	426x178x531
Auto-rebooting after	Yes	(HxWxD mm)	
power failure		Weight net.	Up to 22.7KG (Cabinet 16.7KG)
Storage		General	
Storage interface	M.2/SATA/SAS. RAID controller option	- Languages	25 including : English, German, French,
Storage included	-	Languages	Spanish, Dutch, Danish, Italian, Finnish
Storage bays	4x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller	Order Separately	Operating Relative	8% ~ 90% (non-condensing)
Storage hard drive options	See upgrade options for more info	Humidity Range	
OS support		Warranty	3 years
OS	Windows 10 IoT Enterprise 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Upgrade option; Win OS	No	-	2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK
CPU / Memory		Part number	PEGASUS-ESR2800-4T
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	Upgrade Options	
Memory	2x 8GB 2133MHz DDR4 (16GB)	RAID Card (8/16) with BP	PEGASUS-8CH-RAID-CARD
Cooling		RAID Battery backup unit	PEGASUS-RAID-BBU
Fan type	1x 92mm Front Thermal Fan	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
On-Board Devices		Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
Keyboard / mouse	USB connector	- Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
Chipset	Intel [®] C236 Express PCH	-	PEGASUS-ERC-8MONITOR
Audio	HD Audio 7.1 channel connector by Realtek ALC1150		PEGASUS-ERC-8MONITOR
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	***	_	
Power			
Fixed PSU	500W high-efficiency power supplies	-	and a second
Power requirements	100V -240V AC/50-60Hz/500W	-	

* Tested with Ernitec Easyview 7.5.10

** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected

*** Tested and not recommended for any Video Surveillance usage

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Technical Specification PEGASUS-ESR2800-8T

Features		Management		
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode	
System Hard drive with OS	1x500 GB SSD		for AC power recovery	
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 1xThunderbolt, up to 4096 x 2304	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View	
Ernitec ESR software	Yes	Dimensions / Weights		
Ernitec Pre Server Configurate	or Yes	Form Factor	Tower/Rack	
Auto-rebooting after	Yes	Dimensions	452x178x647	
power failure		(HxWxD mm) Rack Kit	Option Part No: RACKKIT	
Storage			·	
Storage interface	M.2/SATA/SAS. RAID controller option	Weight net	Up to 29.6KG (Cabinet 23.6KG)	
Storage included	-	General		
Storage bays	8 x 3,5" hot swap bays	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish	
RAID controller	Order Separately		• • • • • •	
		Operation conditions	Temperature range from +5°C to +35°C	
Storage hard drive options	See upgrade options for more info	Operating Relative	8% ~ 90% (non-condensing)	
OS support		Humidity Range Warranty	3 years	
OS	Windows 10 IoT Enterprise 64bit	,		
Upgrade option; Win OS	No		1x OPTICAL MOUSE BLACK/USB PS2, CAT 2M GREY, CAT6 2M BLUE, Power Cord	
CPU / Memory			schuko 2M , Power 2M UK,	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	Part number	PEGASUS-ESR2800-8T	
Memory	2x 8GB 2133MHz DDR4 (16GB)	Options		
Cooling		RAID Card (8/16) with BP	**** PEGASUS-8CH-RAID-CARD	
Fan type	4x 80mm Hot-swap 4-pin PWM Fans	RAID Battery backup unit	PEGASUS-RAID-BBU	
Hot swap Fan	4	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR	
On-Board Devices		Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR	
Keyboard / mouse	USB connector	Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR	
Chipset Audio	Intel [®] C236 HD Audio 7.1 channel connector by	Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR	
Audio	Realtek ALC1150	Rack kit optional	RACKKIT	
USB ports	8x USB 3.0 (4 rear + 4 via headers)			
Network card	6xUSB 2.0 (2 rear + 4 via headers) Dual Gigabit Ethernet LAN ports			
NELWOIK LAIU	(1x Intel [®] i217LM & 1x Intel [®] i210AT)			
Onboard RAID Controller	***			
Power				

Power requirements

Fixed PSU

(Bronze Level) High-efficiency PS 100v -240V AC/50-60Hz/500W

665W Super Quiet (25dB)

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1. HDMI 2. VGA Port (X11SAT-F only)	ŎŎ`	Jacks	
	6 9 6. USB0	Jacks	11. CENLFE Out
2. VGA Port (X11SAT-F only) 3. DVI Port	6. USB0 7. LAN2	Audio Jacks	11. CEN/LFE Out 12. Surround Out
2. VGA Port (X11SAT-F only)	6 9 6. USB0 7. LAN2 8. USB7 (3.0)	Jacks	11. CENLFE Out 12. Surround Out 13. SPDIF Out



* Tested with Ernitec Easyview 7.5.10

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- *** Tested and not recommended for any Video Surveillance usage

**** Included in configuration

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Technical Specification PEGASUS-ESR2800R-4R

Features		Management
Framerate resolution at	Viewing up to 1000 fps/sec in H.264 or	Power Configurations
1280 x 720	Recording up to 2800 fps/sec in H.264	
System Hard drive with OS	1x500 GB SSD	Software
Graphic controller for 3	** 1xVGA, 1xDVI-D, 1xHDMI,	SUILWAIE
monitor output Ernitec ESR software	1xThunderbolt, up to 4096 x 2304 Yes	Dimensions / Weight
Ernitec ESR INFO		Form Factor
	Yes	Rack Rails
Auto-rebooting after power failure	Yes	Dimensions
Storage		(HxWxD mm)
Storage interface	SATA/SAS with RAID controller	Weight
-		General
Storage included	-	Languages
Storage bays	3 usable 3,5" hot swap bays	0 0
RAID controller Included	High Performance Raid controller, 12	Operation conditions
	GB/s per port, 0,1,5,6,10,50,60 + hot spare	
Storage hard drive options	see upgrade options for more info	Operating Relative Humidity Range
OS support		Warranty
OS	Windows 10 IoT Enterprise 64bit	Included accessories
Upgrade option; Win OS		
10 1 ,	-	
CPU / Memory		Part number
CPU SkyLake	INTEL Core 17-7700 3,6GHz LGA1151 8M	Options
Memory	2x 8GB 2133MHz DDR4 (16GB)	RAID Battery backup unit
Cooling		Monitor Card 2 outputs
Fan type	80x38mm 4-pin PWM Fans	Monitor Card 4 outputs
Hot swap Fan	3	Monitor Card 6 outputs
On-Board Devices		
Keyboard / mouse	USB connector	Monitor Card 8 outputs
Chipset	Intel® C236	
Audio	HD Audio 7.1 channel connector by	
USB ports	Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers)	
050 ports	6xUSB 2.0 (2 rear + 4 via headers)	
Network card	Dual Gigabit Ethernet LAN ports	
	(1x Intel [®] i217LM & 1x Intel [®] i210AT)	
Onboard RAID Controller	***	
Power		-2
Redundant PSU	400W (1+1) high-efficiency (94%+) AC-DC	C BECKER MERICAN
	Redundant power supplies with PM Bus	Contraction of the second
Power requirements	and I2C 100v -240V AC/50-60Hz/400W	
Power requirements	100V -240V AC/50-00HZ/400W	

	Management	
	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
-	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
-	Dimensions / Weights	
-	Form Factor	1U 19" Rack Frame
-	Rack Rails	Yes
1	Dimensions (HxWxD mm)	43x437x503
	Weight	Up to 21.2KG (Cabinet 15.2KG)
-	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)
l	Warranty	3 years
	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, rack kit
	Part number	PEGASUS-ESR2800R-4R
	Options	
	RAID Battery backup unit	***** PEGASUS-RAID-BBU
	Monitor Card 2 outputs	***** PEGASUS-ERC-2MONITOR
-	Monitor Card 4 outputs	***** PEGASUS-ERC-4MONITOR
1	Monitor Card 6 outputs	***** PEGASUS-ERC-6MONITOR
	Monitor Card 8 outputs	***** PEGASUS-ERC-8MONITOR



1. HDMI	6. USB0	lacks	11. CEN/LFE Out
2. VGA Port (X11SAT-F only)	7. LAN2		12. Surround Out
3. DVI Port	8. USB7 (3.0)	Audio	13. SPDIF Out
4. LAN1	9. USB6 (3.0)	1 P P	54. Line in
5. USB1	10. Thunderbolt	ģ	15. Line Out
		E.	16. Mic In
		1	10. 100 11

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*	Tested with	Ernitec	Easyview	7.5.10
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- ** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected
- *** Tested and not recommended for any Video Surveillance usage

**** Included in configuration

***** If installed – the PEGASUS-8CH-RAID-CARD has to be removed.



Technical Specification PEGASUS-ESR2800R-8R

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1x500 GB SSD		for AC power recovery
Graphic controller for 3	** 1xVGA, 1xDVI-D, 1xHDMI ,	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
monitor output	1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	2U 19" Rack Frame
Ernitec ESR INFO	Yes	Rack Rails	Yes
Auto-rebooting after	Yes	Dimensions	89x437x647
power failure		(HxWxD mm)	89x437x047
Storage		Weight	Up to 29.9KG (Cabinet 23.9KG)
Storage interface	SATA/SAS with RAID controller	General	
Storage included	-		25 including , English Cormon French
Storage bays	8 x 3,5" hot swap bays	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
RAID controller Included	High Performance 8ch controller, 12 GB/s		Spanish, Daten, Danish, Italian, Emisir
	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	see upgrade options for more info	Operating Relative	8% ~ 90% (non-condensing)
OS support		Humidity Range	
OS	Windows 10 IoT Enterprise 64bit	Warranty	3 years
Upgrade option; Win OS	-	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CATE 2M GREY, CATE 2M BLUE, Power Cord
CPU / Memory			schuko 2M , Power 2M UK, rack kit
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	Part number	PEGASUS-ESR2800R-8R
Memory	2x 8GB 2133MHz DDR4 (16GB)	Options	
Cooling		RAID Battery backup unit	PEGASUS-RAID-BBU
Fan type	80x38mm 4-pin PWM Fans	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
Hot swap Fan	3	Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
On-Board Devices		Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
Keyboard / mouse	USB connector	Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR
Chipset	Intel [®] C236		
Audio	HD Audio 7.1 channel connector by Realtek ALC1150		
USB ports	8x USB 3.0 (4 rear + 4 via headers)		
Network en ed	6xUSB 2.0 (2 rear + 4 via headers)		
Network card	Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)		
Embedded RAID Controller	***		
Power			
Redundant PSU	720W (1+1) high-efficiency (94%+) AC-DC		and a second sec
	Podundant nowor supplies with DM Pus		

Devee		
Power	requirements	

and I2C 100v -240V AC/50-60Hz/720W

Redundant power supplies with PM Bus

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0 3	6 8 0 6 9	Ē) (1)) (1)
1. HDMI	6. USB0	lacks	11. CEN/LFE Out
2. VGA Port (X11SAT-F only)	7. LAN2		12. Surround Out
3. DVI Port	8. USB7 (3.0)	Audio	13. SPDIF Out
4. LAN1	9. USB6 (3.0)	Ę	14. Line In
5. USB1	10. Thunderbolt	19 1	15. Line Out
		Ξ	16. Mic In

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*	Tested	with	Ernitec	Easyview	7.5.10
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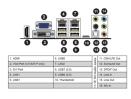
- * Using different cables with the on board graphic card can cause small differences to the images on the monitors connected
- *** Tested and not recommended for any Video Surveillance usage

**** Included in configuration



Technical Specification PEGASUS-ESR2800R-12R

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1x500 GB SSD		for AC power recovery
Graphic controller for 3	** 1xVGA, 1xDVI-D, 1xHDMI ,	Software	Ernitec ESR & SuperDoctor III
monitor output	1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	2U 19" Rack Frame
Ernitec ESR INFO	Yes	Rack Rails	Yes
Auto-rebooting after power failure	Yes	Dimensions (HxWxD mm)	89x437x647
Storage		Weight	Up to 32KG (Cabinet 24.95KG)
Storage interface	SATA/SAS with RAID controller	General	
Storage included	-	Languages	25 including : English, German, French,
Storage bays	12 x 3,5" hot swap bays		Spanish, Dutch, Danish, Italian, Finnish
RAID controller Included	High Performance 16ch controller, 12Gbps RAID; 0,1,5,6,10,50,60 + hot spare	Operation conditions	Temperature range from +5°C to +35°C
Storage hard drive options	see upgrade options for more info	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
OS support		Warranty	3 years
OS	Windows 10 IoT Enterprise 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Upgrade option; Win OS	-		2M GREY, CAT6 2M BLUE, Power Cord
CPU / Memory		Part number	schuko 2M , Power 2M UK, Rack Kit PEGASUS-ESR2800R-12R
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151		
Memory	2x 8GB 2133MHz DDR4 (16GB)	Options	
Cooling		RAID Battery backup unit	
Fan type	3x 80mm Hot-swap 4-pin PWM Fans	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
List surge For	2x 80mm Rear-exhaust 4-pin PWM Fans	Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
Hot swap Fan	5		
On-Board Devices			
Keyboard / mouse Chipset	USB connector Intel [®] C226 Express PCH		
Audio	HD Audio 7.1 channel connector by		
	Realtek ALC1150	Constanting	
USB ports	8x USB 3.0 (4 rear + 4 via headers)	Linear and the second sec	
	6xUSB 2.0 (2 rear + 4 via headers)		24 24 25
Network card	Dual Gigabit Ethernet LAN ports		
Embedded RAID Controller	(1x Intel [®] i217LM & 1x Intel [®] i210AT)		
Power			
	1200W/(1:1) bigh officiency (0.4%) \$ 0.50		
Redundant PSU	1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus		



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** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected

and I2C

100v -240V AC/50-60Hz/920W

*** Tested and not recommended for any Video Surveillance usage

**** Included in configuration

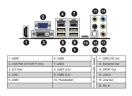
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Power requirements



Technical Specification PEGASUS-ESR2800R-16R

Footuroc			
Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1x500 GB SSD	-	for AC power recovery
Graphic controller for 3	** 1xVGA, 1xDVI-D, 1xHDMI ,	Software	Ernitec ESR & SuperDoctor III
monitor output	1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	3U 19" Rack Frame
Ernitec ESR INFO	Yes	Rack Rails	Yes
Auto-rebooting after power failure	Yes	Dimensions (HxWxD mm)	132x437x647
Storage		Weight	Up to 40.02KG (Cabinet 34.02KG)
Storage interface	SATA/SAS with RAID controller	General	
Storage included	-	Languages	25 including : English, German, French,
Storage bays	16 x 3,5" hot swap bays		Spanish, Dutch, Danish, Italian, Finnish
RAID controller Included	High Performance 16ch controller, 12Gbps RAID; 0,1,5,6,10,50,60 + hot spare	Operation conditions	Temperature range from +5°C to +35°C
Storage hard drive options	see upgrade options for more info	Operating Relative	8% ~ 90% (non-condensing)
OS support		Humidity Range Warranty	3 years
OS	Windows 10 IoT Enterprise 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Upgrade option; Win OS	-		2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, Rack Kit
CPU / Memory		Part number	PEGASUS-ESR2800R-16R
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	Options	
Memory	2x 8GB 2133MHz DDR4 (16GB)	RAID Battery backup unit	
Cooling			
Fan type	3x 80mm Hot-swap 4-pin PWM Fans	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
	2x 80mm Rear-exhaust 4-pin PWM Fans	Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
Hot swap Fan	5	Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
			I EGASOS ENC ONIONITON
On-Board Devices		Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR
Keyboard / mouse	USB connector	·	
Keyboard / mouse Chipset	Intel [®] C226 Express PCH	·	
Keyboard / mouse	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by	·	
Keyboard / mouse Chipset Audio	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150	·	
Keyboard / mouse Chipset	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers)	·	
Keyboard / mouse Chipset Audio	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150	·	
Keyboard / mouse Chipset Audio USB ports	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers) 6xUSB 2.0 (2 rear + 4 via headers)	·	
Keyboard / mouse Chipset Audio USB ports	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers) 6xUSB 2.0 (2 rear + 4 via headers) Dual Gigabit Ethernet LAN ports	·	
Keyboard / mouse Chipset Audio USB ports Network card	Intel® C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers) 6xUSB 2.0 (2 rear + 4 via headers) Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)	·	PEGASUS-ERC-8MONITOR
Keyboard / mouse Chipset Audio USB ports Network card Embedded RAID Controller	Intel® C226 Express PCH HD Audio 7.1 channel connector by Realtek ALC1150 8x USB 3.0 (4 rear + 4 via headers) 6xUSB 2.0 (2 rear + 4 via headers) Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)	·	PEGASUS-ERC-8MONITOR





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** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected

100v -240V AC/50-60Hz/920W

*** Tested and not recommended for any Video Surveillance usage

**** Included in configuration

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Power requirements

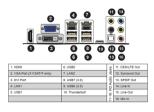


Technical Specification PEGASUS-ESR2800-4C

Features		Ma
Framerate resolution at	Viewing up to 1000 fps/sec in H.264 or	Pov
1280 x 720	Recording up to 2800 fps/sec in H.264	
System Hard drive with OS	240GB SSD Type M.2 2280	_ Sof
Graphic controller for 3	** 1xDVI-I, 1xHDMI , 1xDP (display port)	Dim
monitor output	Up to 4096 x 2304	Din
Ernitec ESR software	Yes	For Dim
Ernitec Pre Server	Yes	(Hx
Configurator Auto-rebooting after	Yes	- <u>We</u>
power failure	res	Ge
Storage		
Storage interface	M.2/SATA/SAS. RAID controller	Lan
Storage included	-	$-\frac{1}{0}$
	4x 3,5" hot swap bays	
Storage bays		Оре
RAID controller Included	Optional	Hur - Wa
Storage hard drive options	See upgrade options for more info	Incl
OS support		Inci
OS	Windows 10 IoT Enterprise 64bit	_
Upgrade option; Win OS	No	Par
CPU / Memory		Up
CPU Skylake	INTEL Core 17-7700 3,6GHz LGA1151 8M	RAI
Memory	2x 8GB 2133MHz DDR4 (16GB)	RAI
Cooling		Mo
Fan type	1 x 12cm rear exhaust fan	Мо
On-Board Devices		Mo
Keyboard / mouse	USB connector	Mo
Chipset	Intel [®] Q170 Express	_
Audio	HD Audio ALC 888S	_
USB ports	6x USB 3.0 (4 rear + 2 via headers) 5xUSB 2.0 (1 x Type A + 4 via headers)	
Network card	Gigabit Ethernet LAN ports (1x Intel®PHY I219LM & 1x Intel®I210-AT)	-
Embedded RAID Controller	***	-
Power		
Fixed PSU	250W High-efficiency power supplies	
Power requirements	100V -240V AC/50-60Hz/250W	-

Management	
Power Configurations	ACPI Power Management, Power-on mode for AC power recovery
Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III
Dimensions / Weights	
Form Factor	Tower
Dimensions (HxWxD mm)	240.03x210.06x279.40
Weight net.	Up to 8.8KG (Cabinet 6.8 KG)
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-ESR2800R-4C
Upgrade Options	
RAID Card	PEGASUS-8CH-RAID-CARD
RAID Battery backup unit	PEGASUS-RAID-BBU
Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR





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- *** Tested and not recommended for any Video Surveillance usage

**** Included in configuration



Technical Specification PEGASUS-ERC-CLIENT-V3

		_	
Features		Management	
Framerate resolution at 1280 x 720 System Hard drive with OS	Viewing up to 1000 fps/sec in H.264 or Recording up to 2800 fps/sec in H.264 1x500 GB SSD	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 1xThunderbolt, up to 4096 x 2304	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Ernitec ESR software	Yes	Dimensions / Weights	
Ernitec Pre Server Configurat	or Yes	Form Factor	Tower
Auto-rebooting after power failure	Yes	- Dimensions (HxWxD mm) Weight net.	426x178x531 Up to 22.7KG (Cabinet 16.7KG)
Storage		General	
Storage interface	M.2/SATA/SAS. JBOD		25 including , English Cormon Franch
Storage included	-	- Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	3 usable 3,5" internal bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller optional	N/A	Operating Relative	8% ~ 90% (non-condensing)
Storage hard drive options	See upgrade options for more info	Humidity Range	
OS support		Warranty	3 years
OS	Windows 10 IoT Enterprise 64bit	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
Upgrade option; Win OS	No	-	2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK
CPU / Memory		Part number	PEGASUS-ERC-CLIENT
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	Upgrade Options	
Memory	2x 8GB 2133MHz DDR4 (16GB)	Monitor Card 2 outputs	PEGASUS-ERC-2MONITOR
Cooling		Monitor Card 4 outputs	PEGASUS-ERC-4MONITOR
Fan type	1x 92mm Front Thermal Fan	Monitor Card 6 outputs	PEGASUS-ERC-6MONITOR
On-Board Devices		Monitor Card 8 outputs	PEGASUS-ERC-8MONITOR
Keyboard / mouse	USB connector		
Chipset Audio	Intel® C236 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	***		
Power			
Fixed PSU	500W high-efficiency power supplies		
Power requirements	100V -240V AC/50-60Hz/500W		

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