



EasyView Server Series

We have tailored a range of servers that come pre installed with EasyView. We have selected different storage capacity's to match many of the common server requirements. The concept is designed to offer easy system design and fast onsite install. All you need to do is add the amount of channels you require using our new part number with a special low price for 2018.

Channel Part Number: 0063-80001-BUILD

Storage Configured Using SSD

SSD (Secure Data Distribution) technology distributes video frames evenly between disks. A single drive failure would thus only decrease the frames on a video clip and not leave any large blank areas during the storage interval.

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.

Pegasus V3 Server

BUILD- EasyView Range

- Intel I5 or E3 Xeon Kaby Lake CPUs
- EasyView V8 Pre Installed
- 4, 8,12 or 16 Hot Swappable HDD bays
- Storage Included
- Rack Versions inc 12Gbps RAID Card
- ESR V3 – USB Ernitec Smart Recovery®
- Windows® 10 IoT Pro OS installed
- 500Gb SSD System Drive
- 3 year Warranty

Ernitec Smart Recovery Version 3

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 notification server give you early warnings if a problem is detected so you can keep your server healthy.

Server Configuration Table

Part Number	Description	Raid Card
BUILD-EASY-VIEW-1	4 BAY 1000 Meg Rack 6TB	No
BUILD-EASY-VIEW-2	4 BAY 1000 Meg Rack 12TB	No
BUILD-EASY-VIEW-3	8 BAY 2800 Meg Rack 18TB	Included
BUILD-EASY-VIEW-4	8 BAY 2800 Meg Rack 24TB	Included
BUILD-EASY-VIEW-5	12 BAY 2800 Meg Rack 36TB	Included
BUILD-EASY-VIEW-6	12 BAY 2800 Meg Rack 54TB	Included
BUILD-EASY-VIEW-7	12 BAY 2800 Meg Rack 72TB	Included
BUILD-EASY-VIEW-8	16 BAY 2800 Meg Rack 90TB	Included

Ernitec Smart Recovery V3 Software USB version

- 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

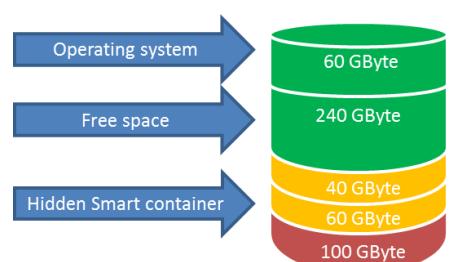


- Backup the complete machine including OS and VMS settings.
- New Windows Desk Top user interface a backup server while its running.
- User defined scheduled backup.
- The most reliable recovery solution for surveillance servers on the market.
- Choose between four backup images



- 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)

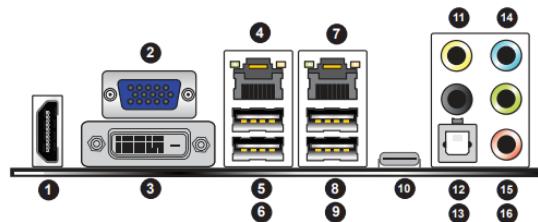
IPMI is an invaluable tool for any administrator, it enables them to monitor systems on a hardware level and perform essential maintenance remotely.

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

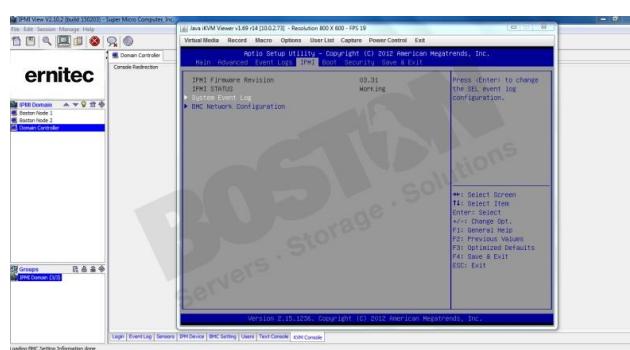
All these features are delivered remotely over a standard IP network port on the managed system. Build Servers send IPMI traffic over the 2nd LAN port on the motherboard (eth2) alongside the systems standard IP traffic shown in item 7 below.



1. HDMI	6. USB0	11-16: HD Audio Jacks
2. VGA Port	7. LAN2 (shared with the IPMI port)	
3. DVI Port	8. USB7 (3.0)	
4. LAN1	9. USB6 (3.0)	
5. USB1	10. Thunderbolt	
		11. CEN/LFE Out
		12. Surround Out
		13. SPDIF Out
		14. Line In
		15. Line Out
		16. Mic In

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.



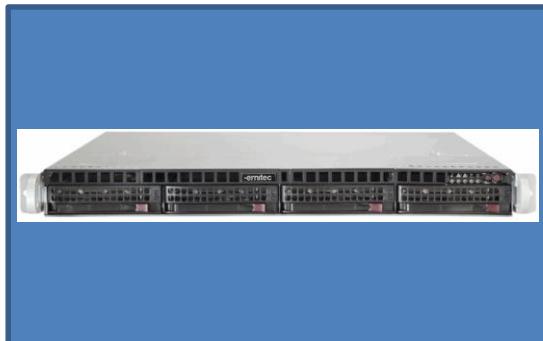
* Note the PEGASUS-ESR2800-4C and PEGASUS-ESR2800R-4R have no IPMI support.

BUILD-EasyView Configuration Guide

The Build EasyView range consists of 8 servers from 6 terabytes to 90 terabytes, all pre configured with the EasyView V8 software installed and the raid cards set up for high speed recording using secure data distribution. All you need to do is add your license once the server is delivered.

Models and Storage Sizes

Part Number	Description	Raid Card	Storage
BUILD-EASYVIEW 1	4 BAY 1000 Meg RACK	no	6TB
BUILD-EASYVIEW 2	4 BAY 1000 Meg RACK	no	12TB
BUILD-EASYVIEW 3	8 BAY 2800 Meg RACK	Included	18TB
BUILD-EASYVIEW 4	8 BAY 2800 Meg RACK	Included	24TB
BUILD-EASYVIEW 5	12 BAY 2800 Meg RACK	Included	36TB
BUILD-EASYVIEW 6	12 BAY 2800 Meg RACK	Included	54TB
BUILD-EASYVIEW 7	12 BAY 2800 Meg RACK	Included	72TB
BUILD-EASYVIEW 8	16 BAY 2800 Meg RACK	Included	90TB



4 BAY RACK



8 BAY RACK



12 BAY RACK

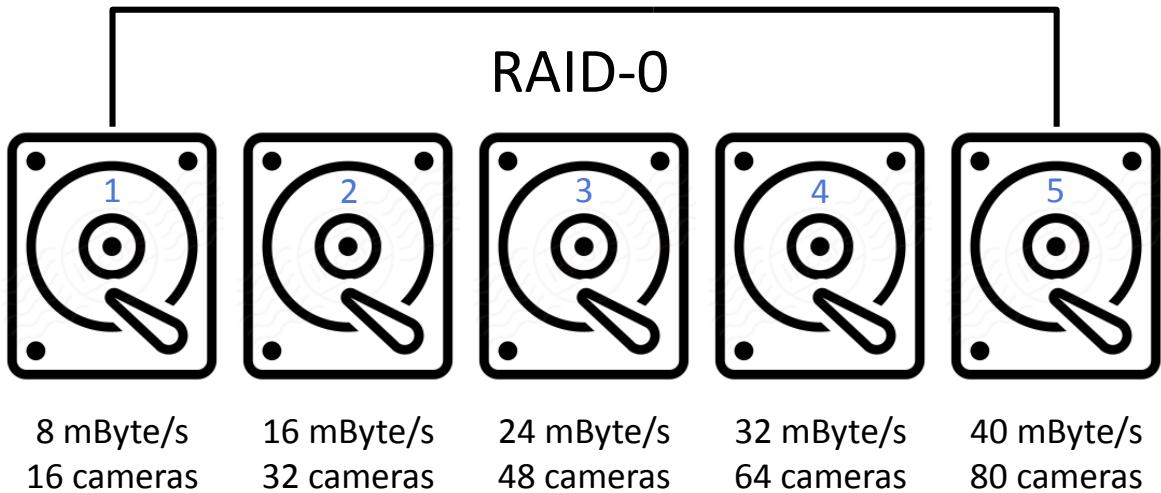


16 BAY RACK

Server Design using RAID-0

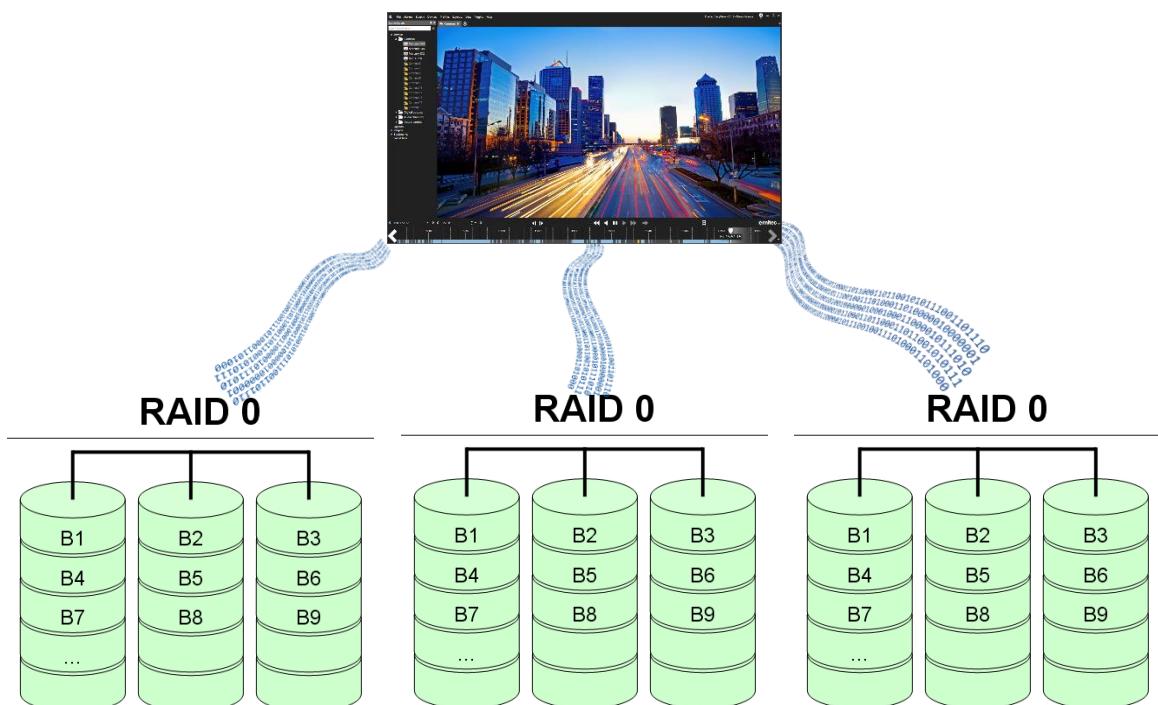
How we use RAID-0

Using raid zero with raid cards massively increases the speed of the IO (input/output or read write speed of your disc system. Typically when using RAID-0 every additional hard drive gives you an extra 8 mByte/s of increased speed as shown in the illustration below;



SDD Secure Data Distribution

What about redundancy when using RAID-0, well this is where EasyView come into its own. The EasyView software has SDD technology which distributes video frames evenly between disks like a software RAID-5 system. A single drive failure would thus only decrease the frames on a video clip and not leave any large blank areas during the storage interval. For forensic research a well-placed, good resolution camera gives practically the same success rate with a low frame rate as a video with a higher frame rate – meaning that the risk of not being able to analyse an event due to a failed hard disk becomes close to zero.





Video Management Software

V8 EasyView

- New Interface Look
- Over 8000 Supported Cameras
- New Storage Software Architecture
- 1 Year TruComfort Included
- H265 support
- Video Analytics
- 250 Channels per server
- Unlimited Expansion
- Open Platform
- OnVif

V8 EasyView

V8 is the new version of Enterprise level of EasyView offering massive expansion with this new versions of our open platform VMS. Each server can be loaded with up to 250 channels, this can be expanded to over 150 servers using master server upgrade license. With additional unlimited software available if more than 35,000 cameras are required.

Video Analytics

We have built video analytics directly into our software package, once activated with a separate licence per channel you can run real 3D calibration video analytics on any camera connected to the software.

Huge Camera Integration List

The EasyView software, can integrate with over 8000 cameras with native SDK integration offering the full features of the cameras not just the normal OnVif integration. Of course you can use OnVif cameras opening up to almost limitless choice of camera integration.

Multi-Streaming

This extremely important feature enables the EasyView software to record in high resolution and stream multi-screen images to the local monitors, the multi streaming enables a second or even third stream resolution choices to the programmer meaning the load to the local monitor is reduced enabling more cameras on the server.

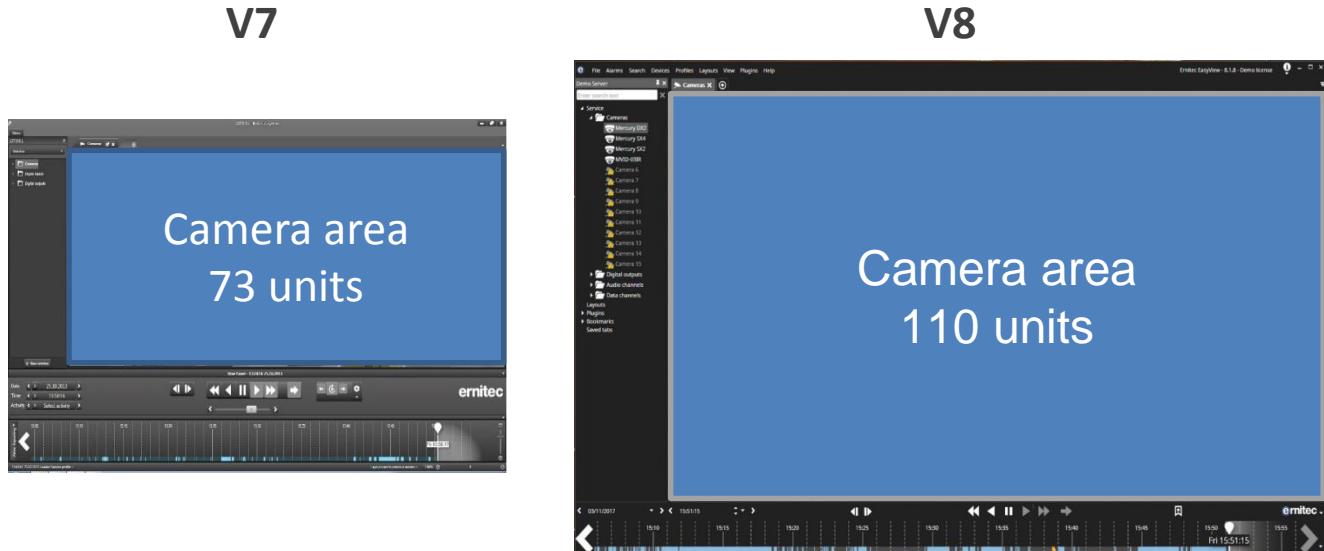
New Storage Software Architecture

The new storage mechanism meets and exceeds the scalability of today's CCTV demands. Its designed to allow an unlimited number of supported disk drives or any disk drive size in mind, and to allow a mix of different size drives or network storage. It also allows flexibly removal or adding drives to the storage subsystem. It can work with direct connected disks, RAID subsystems, local drives or network drives – NAS or SAN storage systems. It still supports the EasyView Secure Data Distribution – SDD – mechanism where video frames – or groups of pictures – written to different drives to reduce the loss of video material if individual disks fail.

V8 EasyView Features

50% Larger Usable Camera Area

One of the changes to note is that without loss of functionality, there is a lot more available space for the key content for any VMS and that is Cameras. This has been made possible by eliminating wasted space by reducing the size and position of various user interface controls. Technically, there is now a 50% larger camera area with the same functions visible in version 7. Try it out and we know you'll love it!

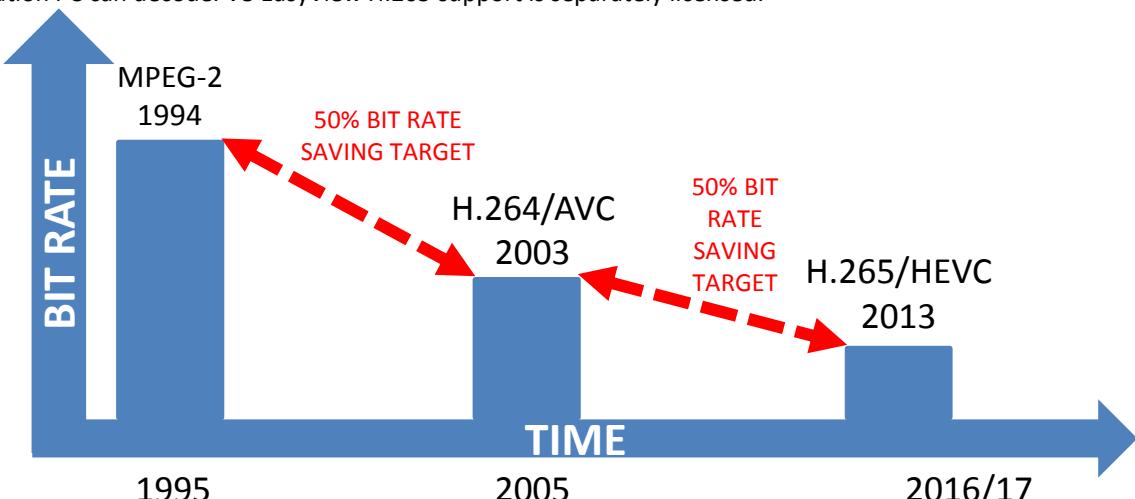


Support for the H.265 Video Format

V8 EasyView supports H265, so called "High Efficiency Video Coding" or HEVC video compression standard. For IP Video systems, it is the most likely successor to H.264, also known as AVC (Advanced Video Coding) or MPEG-4 Part 10. H.265/HEVC offers about double the data compression ratio at the same level of video image size and quality offering large savings on hard drive space requirements or substantially improved video quality at the same bit rate. H.265/HEVC supports resolutions up to 8192×4320, including 8K UHD (Ultra High-Definition).

Hardware Requirement Note:

When using H.265/HEVC decoding more CPU power and/or accelerated graphics hardware/DSPs, Digital Signal Processors will be needed. H265 is more CPU intensive, which will affect how many simultaneous streams a workstation PC can decode. V8 EasyView H.265 support is separately licensed.

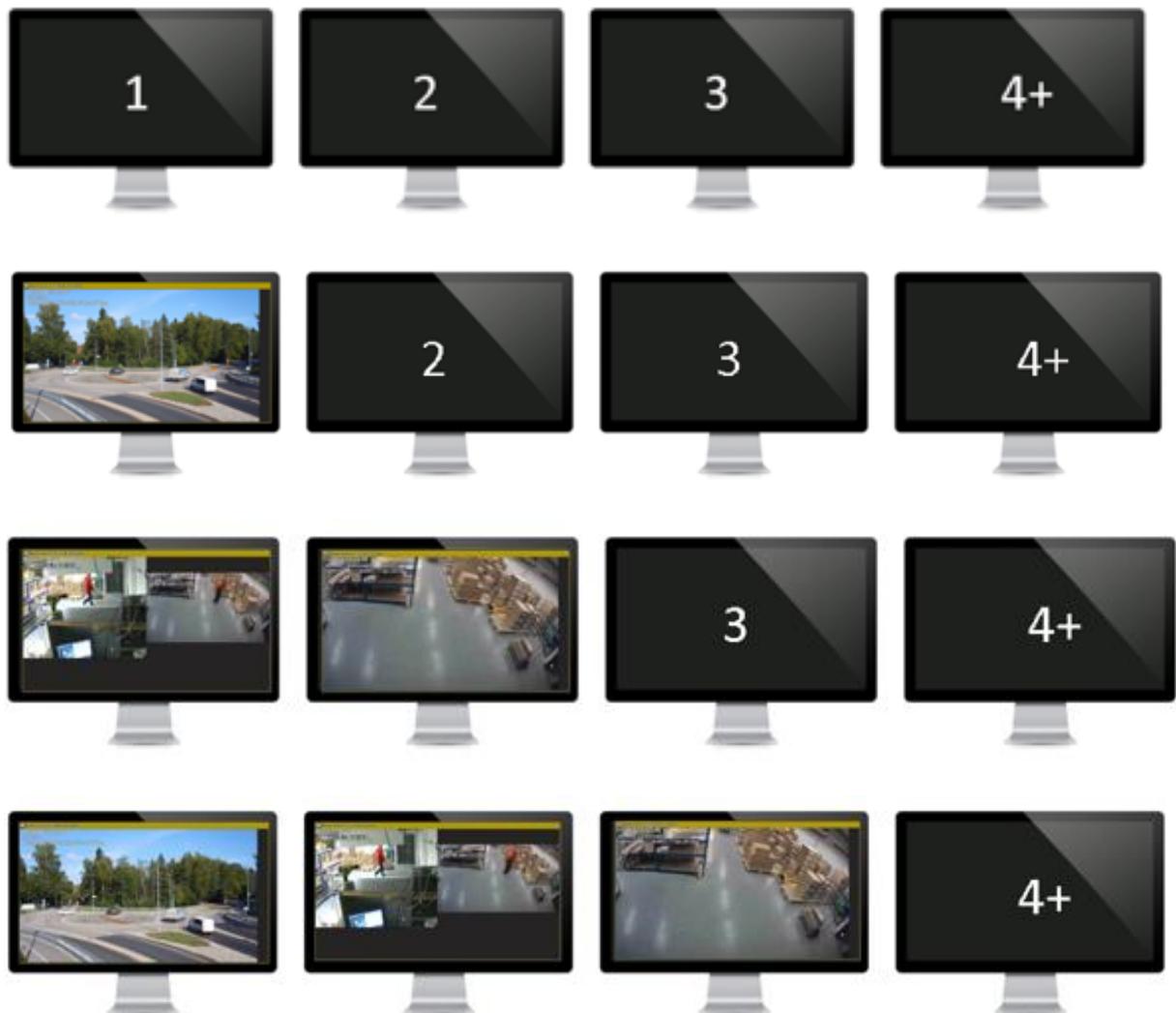


V8 EasyView Features

Multiple Alarm Monitors True Matrix Style

This scenario shows 4 alarm Monitors. When one alarm is active, it is displayed on the first alarm monitor. If there are two active alarms, then the first alarm is always displayed on the first monitor, and the newest alarm opens on the second monitor in a Que. Then, as can be expected, the third alarm opens on the third alarm monitor. When the first alarm is handled (user ends the alarm) it's then closed on the first monitor, and the remaining alarms shift to the left. In other words, what was the second alarm on the second monitor moves now to the first monitor as it is now the oldest alarm in the alarm stack.

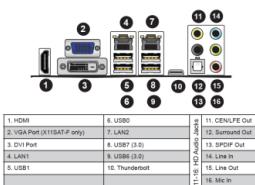
Note: This scenario can also be set up on a quad grid on one monitor.



Features		Management	
Framerate resolution at 1280 x 720	Recording up to 1000 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	1U 19" Rack Frame
Ernitec ESR INFO	Yes	Rack Rails	Yes
Auto-rebooting after power failure	Yes	Dimensions (HxWxD mm)	43x437x503
Storage		Weight	Up to 21.2KG (Cabinet 15.2KG)
Storage interface	SATA/SAS JBOD	General	
Storage included	6Tb JBOD set up	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	4 usable 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller Included	High Performance Raid controller, 12 GB/s per port, 0,1,5,6,10,50,60 + hot spare	Operating Range	Relative Humidity 8% ~ 90% (non-condensing)
Storage hard drive included	2 x 3TB HDD 24/7 Discs (8 mByte/s)	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, rack kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-1
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU SkyLake	INTEL Core I7-7700 3,6GHz LGA1151 8M	EasyView	16 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	16 Channels @8pps 1080P 50% Motion
Cooling			
Fan type	80x38mm 4-pin PWM Fans		
Hot swap Fan	3		
On-Board Devices			
Keyboard / mouse	USB connector		
Chipset	Intel® C236		
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)		
Onboard RAID Controller	***		
Power			
Redundant PSU	400W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PM Bus and I2C		
Power requirements	100v -240V AC/50-60Hz/400W		

* Tested with Ernitec EasyView Version 7 and 8

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



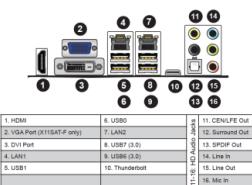
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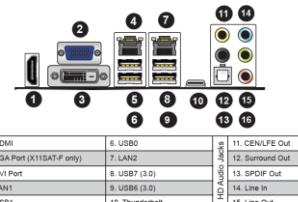
Features		Management	
Framerate resolution at 1280 x 720	Recording up to 1000 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI, 1xThunderbolt, up to 4096 x 2304	Dimensions / Weights	
Ernitec ESR software	Yes	Form Factor	1U 19" Rack Frame
Ernitec ESR INFO	Yes	Rack Rails	Yes
Auto-rebooting after power failure	Yes	Dimensions (HxWxD mm)	43x437x503
Storage		Weight	Up to 21.2KG (Cabinet 15.2KG)
Storage interface	SATA/SAS JBOD	General	
Storage included	12Tb JBOD set up	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	4 usable 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller Included	High Performance Raid controller, 12 GB/s per port, 0,1,5,6,10,50,60 + hot spare	Operating Range	Relative Humidity 8% ~ 90% (non-condensing)
Storage hard drive included	3 x 4TB HDD 24/7 Discs (8 mByte/s)	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M, Power 2M UK, rack kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-2
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU SkyLake	INTEL Core i7-7700 3,6GHz LGA1151 8M	EasyView	16 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	16 Channels @12pps 1080P 50% Motion
Cooling			
Fan type	80x38mm 4-pin PWM Fans		
Hot swap Fan	3		
On-Board Devices			
Keyboard / mouse	USB connector		
Chipset	Intel® C236		
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)		
Onboard RAID Controller	***		
Power			
Redundant PSU	400W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PM Bus and I2C		
Power requirements	100v -240V AC/50-60Hz/400W		

- * Tested with Ernitec EasyView Version 7 and 8
- ** Using different cables with the on board graphic card can cause small differences to the images on the monitors connected



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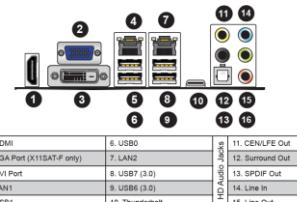
Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 2800 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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 29.9KG (Cabinet 23.9KG)
Storage interface	SATA/SAS with RAID controller	General	
Storage included	18Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	8 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 6Tb RAID-0 virtual discs using 2 x 3Tb HDD in each (16 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	6 x 3TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, rack kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-4
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	16 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	16 Channels @25pps 1080P 50% Motion
Cooling			
Fan type	80x38mm 4-pin PWM Fans		
Hot swap Fan	3		
On-Board Devices			
Keyboard / mouse	USB connector		
Chipset	Intel® C236		
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			
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		



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

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 for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec Pre Server Configurator, Ernitec ESR, SuperDoctor III, IPMI View
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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 29.9KG (Cabinet 23.9KG)
Storage interface	SATA/SAS with RAID controller	General	
Storage included	24Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	8 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 8Tb RAID-0 virtual discs using 2 x 4Tb HDD in each (16 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	6 x 4TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, rack kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-4
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	24 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	24 Channels @25pps 1080P 50% Motion
Cooling			
Fan type	80x38mm 4-pin PWM Fans		
Hot swap Fan	3		
On-Board Devices			
Keyboard / mouse	USB connector		
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Audio	HD Audio 7.1 channel connector by Realtek ALC1150		
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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 Redundant power supplies with PM Bus and I2C		
Power requirements	100v -240V AC/50-60Hz/720W		



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

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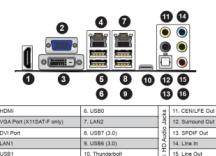
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Ernitec
Tempovæj 41
2750 Ballerup
Denmark

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 for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec ESR & SuperDoctor III
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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	36Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	12 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 12Tb RAID-0 virtual discs using 3 x 4Tb HDD in each (24 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	9 x 4TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, Rack Kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-5
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	32 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	32 Channels @25pps 1080P 50% Motion
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	***		
Power			
Redundant PSU	1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C		
Power requirements	100v -240V AC/50-60Hz/920W		



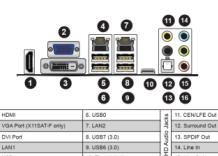
* Tested with Ernitec EasyView Version 7 and 8

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



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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 for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec ESR & SuperDoctor III
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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	54Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	12 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 18Tb RAID-0 virtual discs using 3 x 6Tb HDD in each (24 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	9 x 6TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, Rack Kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-6
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	48 x BUILD-V8-EASYVIEW-1CH
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	48 Channels @25pps 1080P 50% Motion
Cooling		EasyView	24 x 0063-80001
Fan type	3x 80mm Hot-swap 4-pin PWM Fans 2x 80mm Rear-exhaust 4-pin PWM Fans	Using H264 for 60 days	24 Channels @25pps 1080P 50% Motion
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	***		
Power			
Redundant PSU	1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C		
Power requirements	100v -240V AC/50-60Hz/920W		

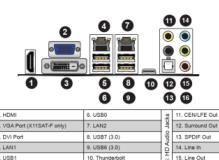


* Tested with Ernitec EasyView Version 7 and 8

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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 for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec ESR & SuperDoctor III
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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	72Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	12 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 24Tb RAID-0 virtual discs using 4 x 6Tb HDD in each (32 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	12 x 6TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, Rack Kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-7
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	64 x BUILD-V8-EASYVIEW-1CH
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	64 Channels @25pps 1080P 50% Motion
Cooling		EasyView	32 x 0063-80001
Fan type	3x 80mm Hot-swap 4-pin PWM Fans 2x 80mm Rear-exhaust 4-pin PWM Fans	Using H264 for 60 days	32 Channels @25pps 1080P 50% Motion
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	***		
Power			
Redundant PSU	1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C		
Power requirements	100v -240V AC/50-60Hz/920W		

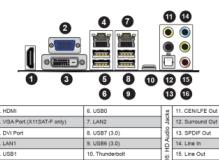


* Tested with Ernitec EasyView Version 7 and 8

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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 for AC power recovery
System Hard drive with OS	1x500 GB SSD	Software	Ernitec ESR & SuperDoctor III
Graphic controller for 3 monitor output	** 1xVGA, 1xDVI-D, 1xHDMI , 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	90Tb set for Secure Data Distribution	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage bays	16 x 3,5" hot swap bays	Operation conditions	Temperature range from +5°C to +35°C
RAID controller settings	3 x 30Tb RAID-0 virtual discs using 5 x 6Tb HDD in each (40 mByte/s)	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Storage hard drive options	15 x 6TB HDD 24/7 Enterprise Discs	Warranty	3 years
OS support		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6 2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, Rack Kit
OS	Windows 10 IoT Enterprise 64bit	Part number	BUILD-EASY-VIEW-8
Upgrade option; Win OS	-	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
CPU / Memory		Recommended EasyView Options	
CPU Kaby Lake	INTEL Xeon E3-1245v6 3,70GHz LGA1151	EasyView	80 x 0063-80001
Memory	2x 8GB 2133MHz DDR4 (16GB)	Using H264 for 31 days	80 Channels @25pps 1080P 50% Motion
Cooling		EasyView	40 x 0063-80001
Fan type	3x 80mm Hot-swap 4-pin PWM Fans 2x 80mm Rear-exhaust 4-pin PWM Fans	Using H264 for 60 days	40 Channels @25pps 1080P 50% Motion
Hot swap Fan	5	EasyView	30 x 0063-80001
On-Board Devices		Using H264 for 90 days	30 Channels @25pps 1080P 50% Motion
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	***		
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		



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