ernitec



EasyView V4 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.

Storage Configured Using SDD

SDD (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 V4 Server

CORE- EasyView Range

- 1400 & 3200 Megapixel fps Recording
- Intel i5, i7 9th Gen Coffee Lake CPUs
- 8 or 16 GB DDR4 Ram Options
- 4, 8, 12 or 16 Hot Swappable HDD bays
- Windows[®] 10 64BIT Pro OS installed
- 250Gb NVMe SSD System Drive
- 12Gbps RAID Card where used
- Dual Gigabit Network Card
- 3 year Warranty

Version 4 Performance Increase

The version 4 series has been improved with the addition of the new 9th Generation Intel Coffee Lake CPU's with Intel Quick Sync ideal for smooth VMS Operation and is optimized to work with CCTV recording software for sensitive & long-term storage of IP/Megapixel cameras. NVMe M.2 250GB SSD system disk is used improving performance.

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.

Server Configuration Table

Part Number	Description	Raid Card
CORE-EASY-VIEW-1	4 BAY 1400 Meg Rack 6TB	No
CORE-EASY-VIEW-2	4 BAY 1400 Meg Rack 12TB	No
CORE-EASY-VIEW-3	8 BAY 3200 Meg Rack 18TB	Included
CORE-EASY-VIEW-4	8 BAY 3200 Meg Rack 24TB	Included
CORE-EASY-VIEW-5	12 BAY 3200 Meg Rack 36TB	Included
CORE-EASY-VIEW-6	12 BAY 3200 Meg Rack 54TB	Included
CORE-EASY-VIEW-7	12 BAY 3200 Meg Rack 72TB	Included
CORE-EASY-VIEW-8	16 BAY 3200 Meg Rack 90TB	Included
CORE-EASY-VIEW-9	16 BAY 3200 Meg Rack 120TB	Included



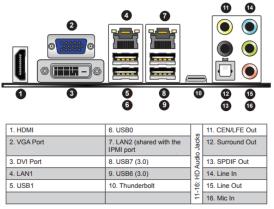
Intelligent Platform Management Interface (IPMI)

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 IPMI 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. Note: as default IPMI KVM is disabled to support Intel Quick Sync

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.

009.000		reparted next from Option for				
	Constanting	And is surfay (0.001) - standinght (0.001) And standing magnificants, and, but strained (over logs stand land, lend by low a first				
ernitec		BE Conservation • Sec unique l'articurentes	63.35 Rock 198	regan distant ta straige tee BE genet can anti (perseau.		
Course R				+ Stratel, Schwei Mit Skaupt, Schwei Ann, Olasier Ann, 19 General, Mita 19 Filosofiel, Mitae 19 Filosofiel, Mitae 19 Constants 19 States & Scott Colling and Schweiter 19 Colling and Schweiter 19 C		
	Ingo [Feering] Series	and share of the state of the s	ng igel (11 bin) the sa	married, be-		

* Note the CORE-EASY-VIEW-1 and CORE-EASY-VIEW-2 have no IPMI support.





The CORE EasyView range consists of 8 servers from 6 terabytes to 120 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	Discs	Storage
CORE-EASYVIEW 1	4 BAY 1400 Meg RACK	no	2 x 3Tb HDDs	6TB
CORE-EASYVIEW 2	4 BAY 1400 Meg RACK	no	3 x 4Tb HDDs	12TB
CORE-EASYVIEW 3	8 BAY 3200 Meg RACK	Included	6 x 3Tb HDDs	18TB
CORE-EASYVIEW 4	8 BAY 3200 Meg RACK	Included	6 x 4Tb HDDs	24TB
CORE-EASYVIEW 5	12 BAY 3200 Meg RACK	Included	9 x 4Tb HDDs	36TB
CORE-EASYVIEW 6	12 BAY 3200 Meg RACK	Included	9 x 6Tb HDDs	54TB
CORE-EASYVIEW 7	12 BAY 3200 Meg RACK	Included	12 x 6TB HDDs	72TB
CORE-EASYVIEW 8	16 BAY 3200 Meg RACK	Included	15 x 6Tb HDDs	90TB
CORE-EASYVIEW 9	16 BAY 3200 Meg RACK	Included	15 x 8Tb HDDs	120TB



4 BAY RACK



8 BAY RACK







12 BAY RACK

Follow us on

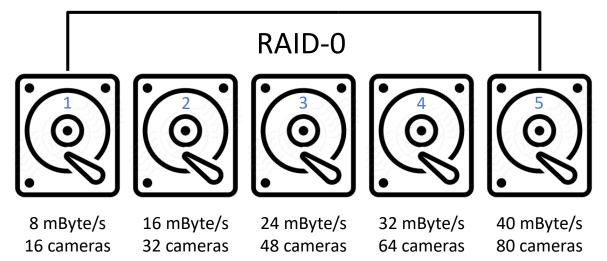
Linked in

www.ernitec.com

Ernitec Tempovej 41 2750 Ballerup Denmark

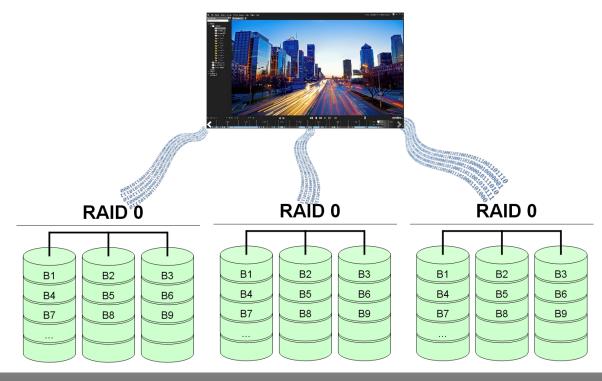
How we use RAID-0

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.









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.

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

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.

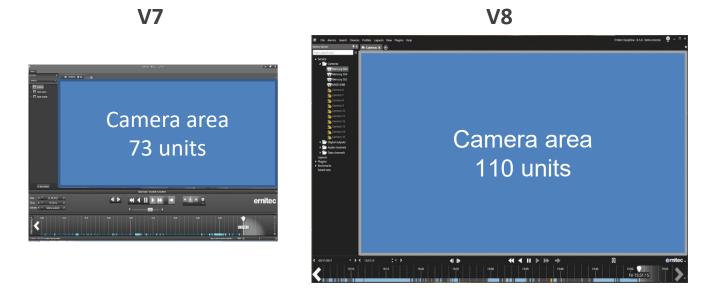
New Storage Software Architecture

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.



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!

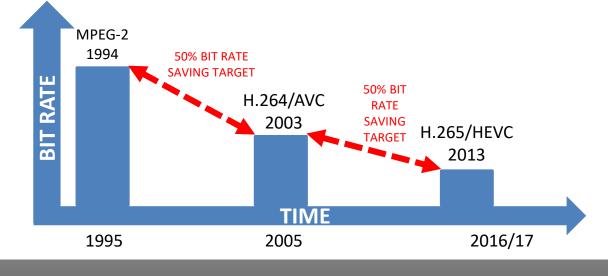


Support for the H.265 Video Format

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.

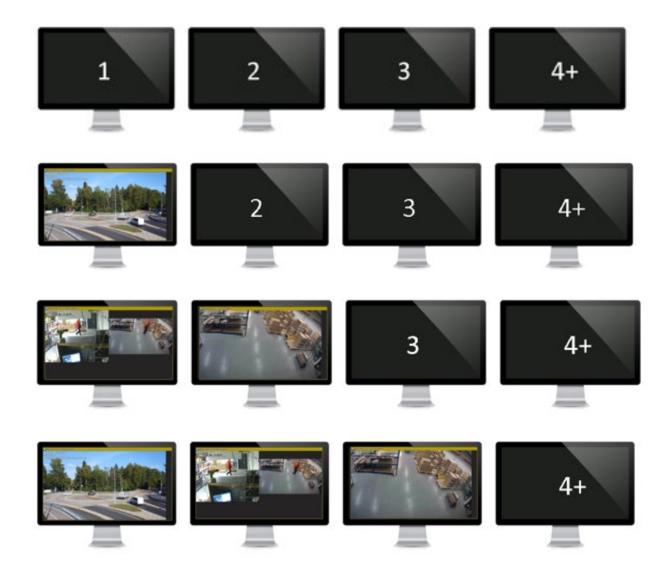




Multiple Alarm Monitors True Matrix Style

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.





Storage 6TB

Features		Management	
Framerate resolution at	Recording up to 1400 fps/sec in H.264	Power	IPMI, ACPI Power Management, Keyboard
1280 x 720		Configurations	Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD	Software	for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI		SuperDoctor 5, IPMI View
monitor output	Vec	Dimensions / Weights	5
Auto-rebooting after power failure	Yes	Form Factor	1U 19" Rack Frame
Storage		Rack Rails	Yes
Storage interface	SATA/SAS JBOD	Dimensions	43x437x503
	. ,	(HxWxD mm)	
Storage included	6TB JBOD set up	Weight	Up to 21.2KG (Cabinet 15.2KG)
Storage bays	4 usable 3,5" hot swap bays	General	
RAID controller	Optional	Languages	25 including : English, German, French,
			Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive included	2 x 3TB HDD 24/7 Discs (8 mByte/s)	Operation conditions	Temperature range from +5°C to +35°C
OS support			
OS	Windows 10 Pro 64bit	Operating Range	Relative Humidity 8% ~ 90% (non- condensing)
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I5-9600 3,1GHz	I	2M GREY, CAT6 2M BLUE, Power Cord
CPU upgrade option	INTEL Core 17-9700 3,0GHz	-	schuko 2M, Power 2M UK, rack kit
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)	Part number	CORE-EASY-VIEW-1
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM	EasyView Part Number	0063-80001
Cooling		Recommended EasyVie	
Fan type	80x38mm 4-pin PWM Fans	EasyView	16 x 0063-80001
Hot swap Fan	3	Using H264 for 31 days	16 Channels @8pps 1080P 50% Motion
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			.3
Redundant PSU	400W (1+1) high-efficiency (94%+) AC-DC		
	Redundant power supplies with PM Bus and I2C		The second secon
Power requirements	100v -240V AC/50-60Hz/400W		

6 4 1. USB 3.1 gen 1 5.1AN 1 2. USB 3.1 gen 1 6. USB 3.0 3. USB 3.1 gen 1 7. DV1 4. USB 3.1 gen 2 8. DP FORT

C € F© We reserve the right to introduct product modifications without notice

Tempovej 41 2750 Ballerup

**

Linked in

Tested with Ernitec EasyView Version 7 and 8

differences to the images on the monitors connected

Using different cables with the on board graphic card can cause small

Storage 12TB

Features		Management	
Framerate resolution at	Recording up to 1400 fps/sec in H.264	Power	IPMI, ACPI Power Management, Keyboard
1280 x 720 System Hard drive with OS	1 x NVMe 2.M 250 SSD	Configurations	Wakeup from Soft-Off, Power-on mode for AC power recovery
,		Software	SuperDoctor 5, IPMI View
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI	Dimensions / Weights	
Auto-rebooting after	Yes		
power failure		Form Factor Rack Rails	1U 19" Rack Frame Yes
Storage		Dimensions	43x437x503
Storage interface	SATA/SAS JBOD	(HxWxD mm)	4584578505
Storage included	12TB JBOD set up	Weight	Up to 21.2KG (Cabinet 15.2KG)
Storage bays	4 usable 3,5" hot swap bays	General	
RAID controller Included	Optional	Languages	25 including : English, German, French,
Storage hard drive included	3 x 4TB HDD 24/7 Discs (8 mByte/s)		Spanish, Dutch, Danish, Italian, Finnish
OS support		Operation conditions	Temperature range from +5°C to +35°C
OS	Windows 10 Pro 64bit	Operating Range	Relative Humidity 8% ~ 90% (non-
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores		condensing)
CPU / Memory		Warranty	3 years
CPU Coffee Lake	INTEL Core I5-9600 3,1GHz	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU upgrade option	INTEL Core I7-9700 3,0GHz		2M GREY, CAT6 2M BLUE, Power Cord schuko 2M , Power 2M UK, rack kit
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)	Part number	BUILD-EASY-VIEW-2
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling		Recommended EasyVi	ew Options
Fan type	80x38mm 4-pin PWM Fans	EasyView	16 x 0063-80001
Hot swap Fan	3	Using H264 for 31 days	16 Channels @12pps 1080P 50% Motion
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	-à.	
	Redundant power supplies with PM Bus	The second	in In
	and I2C	Contraction of the second	The second secon

* 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

100v -240V AC/50-60Hz/400W

Li ME W We reserve the right to introduct product modifications without notice

> Ernitec Tempovej 41 2750 Ballerup Denmark

Linked in

Power requirements

6

2. USB 3.1 gen 1 6. USB 3.0 3. USB 3.1 gen 1 7. DVI 4. USB 3.1 gen 2 8. DP FORT

Storage 18TB

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD		for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	i de la constante de la constan
Auto-rebooting after	Yes	Form Factor	2U 19" Rack Frame
power failure Storage		Rack Rails	Yes
Storage interface	SATA/SAS with RAID controller	Dimensions	89x437x647
Storage included	18TB set for Secure Data Distribution	(HxWxD mm)	
-		Weight	Up to 29.9KG (Cabinet 23.9KG)
Storage bays	8 x 3,5" hot swap bays	General	
RAID controller settings	3 x 6TB RAID-0 virtual discs	Languages	25 including : English, German, French,
Storage hard drive options	using 2 x 3TB HDD in each (16 mByte/s)		Spanish, Dutch, Danish, Italian, Finnish
	6 x 3TB HDD 24/7 Enterprise Discs	Operation conditions	Temperature range from +5°C to +35°C
OS support		Operating Relative	8% ~ 90% (non-condensing)
OS	Windows 10 Pro 64bit	Humidity Range	
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I7-9700 3,0GHz		2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)	Part number	schuko 2M , Power 2M UK, rack kit BUILD-EASY-VIEW-4
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM		
Cooling		EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Fan type	80x38mm 4-pin PWM Fans	Recommended EasyVie	ew Options
Hot swap Fan	3	EasyView	16 x 0063-80001
On-Board Devices		Using H264 for 31 days	16 Channels @25pps 1080P 50% Motion
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	A	
	Redundant power supplies with PM Bus		Printee and a second se
	and I2C		
Power requirements	100v -240V AC/50-60Hz/720W		

*	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

0	M				
0	3	6	8	0	0 0
1. HDMI Port	7. LAN 2		10. CEN/LFI	out	1
2. DP Port	8. USB 3.0	5	11. Surroun	d Out	1
3. DVI Port	9. USB 3.0	lacks	12. SPOIF O	ut	1
4. LAN 1		Audio	13. Line In		1
5. USB 3.1 gen 1		4	14. Line Ou		1
G. USB 3.1 gen 2			15. Mic In		1

C E FC

We reserve the right to introduct product modifications without notice

Tempovej 41 2750 Ballerup

Linked in

Storage 24TB

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD		for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	i de la companya de l
Auto-rebooting after	Yes	Form Factor	2U 19" Rack Frame
power failure Storage		Rack Rails	Yes
Storage interface	SATA/SAS with RAID controller	Dimensions	89x437x647
Storage included	24TB set for Secure Data Distribution	(HxWxD mm) Weight	Up to 29.9KG (Cabinet 23.9KG)
Storage bays	8 x 3,5" hot swap bays	General	
RAID controller settings	3 x 8TB RAID-0 virtual discs	Languages	25 including : English, German, French,
	using 2 x 4TB HDD in each (16 mByte/s)	Languages	Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	6 x 4TB HDD 24/7 Enterprise Discs	-	
OS support		Operation conditions	Temperature range from +5°C to +35°C
OS	Windows 10 Pro 64bit	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I7-9700 3,0GHz	I	2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)	Part number	schuko 2M , Power 2M UK, rack kit BUILD-EASY-VIEW-4
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling			
Fan type	80x38mm 4-pin PWM Fans	Recommended EasyVie	
Hot swap Fan	3	EasyView	24 x 0063-80001
On-Board Devices		Using H264 for 31 days	24 Channels @25pps 1080P 50% Motion
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)		
N - to construct a stand	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		A MARTIN AND A MARTIN	
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		

Munu : 18), 8 6 8

		6	9 12
1. HDMI Port	7. LAN 2		10. CEN/LFE out
2. DP Port	8. USB 3.0	5	11. Surround Out
3. DVI Port	9. USB 3.0	Jacks	12. SPDIF Out
4. LAN 1		Audio	13. Line In
5. USB 3.1 gen 1		ž	14. Line Out
6. USB 3.1 gen 2			15. Mic In

We reserve the right to introduct product modifications without notice

0 0

Tempovej 41 2750 Ballerup

C E FC

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



Storage 36TB

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD	- 	for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	
Auto-rebooting after power failure	Yes	Form Factor	2U 19" Rack Frame
Storage		Rack Rails	Yes
Storage interface	SATA/SAS with RAID controller	Dimensions (HxWxD mm)	89x437x647
Storage included	36Tb set for Secure Data Distribution	Weight	Up to 32KG (Cabinet 24.95KG)
Storage bays	12 x 3,5" hot swap bays	General	
RAID controller settings	3 x 12TB RAID-0 virtual discs using 3 x 4TB HDD in each (24 mByte/s)	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	9 x 4TB HDD 24/7 Enterprise Discs	Operation conditions	Tomporature range from 15°C to 125°C
OS support		·	Temperature range from +5°C to +35°C
OS	Windows Pro 64bit	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core 17-9700 3,0GHz	-	2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 8GB 2400MHz DDR4 Non-ECC (16GB)	 Part number	schuko 2M , Power 2M UK, Rack Kit BUILD-EASY-VIEW-5
Memory Upgrade Options	To 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling		Recommended EasyVie	,
Fan type	3x 80mm Hot-swap 4-pin PWM Fans		
Hot swap Fan	2x 80mm Rear-exhaust 4-pin PWM Fans	EasyView	32 x 0063-80001
	5	Using H264 for 31 days	32 Channels @25pps 1080P 50% Motion
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)		Constructing Acceleration
Network card	Dual Gigabit Ethernet LAN ports (1x Intel® i217LM & 1x Intel® i210AT)	. Summer and the	And and a second s
Embedded RAID Controller	***		
Power			
Redundant PSU	1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C		

Power requirements

Tested with Ernitec EasyView Version 7 and 8

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

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

	(
	8	G	8	0
1. HDMI Port	7. LAN 2	0	10. CEN/LFI	Eout
2. DP Part	8. USB 3.0	lacks	11. Surrout	d Out
3. DVI Port 4. LAN 1	9. USB 3.0	Audio Jan	12. SPDIF 0 13. Line In	ut
5. USB 3.1 gen 1 6. USB 3.1 gen 2		-*	14. Line Ou 15. Mic In	t

We reserve the right to introduct product modifications without notice

Ernitec Tempovej 41 2750 Ballerup Denmark

C E FC



Storage 54TB

	Management	
*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
1 x NVMe 2.M 250 SSD	-	for AC power recovery
** 1x Display Port, 1xDVI-D, 1xHDMI	- Software	SuperDoctor 5, IPMI View
	Dimensions / Weights	
Yes	Form Factor	2U 19" Rack Frame
	Rack Rails	Yes
SATA/SAS with RAID controller	Dimensions (HxWxD mm)	89x437x647
54TB set for Secure Data Distribution	Weight	Up to 32KG (Cabinet 24.95KG)
12 x 3,5" hot swap bays	General	
3 x 18Tb RAID-0 virtual discs using 3 x 6Tb HDD in each (24 mByte/s)	- Languages -	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
9 x 6TB HDD 24/7 Enterprise Discs	- Operation conditions	Temperature range from +5°C to +35°C
	·	
Windows 10 Pro 64bit		8% ~ 90% (non-condensing)
Windows Server 2019, STD 16 Cores	Warranty	3 years
	Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
INTEL Core I7-9700 3,0GHz	_	2M GREY, CAT6 2M BLUE, Power Cord
2 x 8GB 2400MHz DDR4 Non-ECC (16GB)	Part number	schuko 2M , Power 2M UK, Rack Kit BUILD-EASY-VIEW-6
To 32GB or 64GB RAM		0063-80001-BUILD, 0063-80001-BUILD-UK
3x 80mm Hot-swap 4-pin PWM Fans		48 x BUILD-V8-EASYVIEW-1CH
· · · · · · · · · · · · · · · · · · ·	_ ^	
		48 Channels @25pps 1080P 50% Motion
LISB connector	EasyView	24 x 0063-80001
	 Using H264 for 60 days 	24 Channels @25pps 1080P 50% Motion
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)	· Description	And the second s

1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C		
	1 x NVMe 2.M 250 SSD ** 1x Display Port, 1xDVI-D, 1xHDMI Yes SATA/SAS with RAID controller 54TB set for Secure Data Distribution 12 x 3,5" hot swap bays 3 x 18Tb RAID-0 virtual discs using 3 x 6Tb HDD in each (24 mByte/s) 9 x 6TB HDD 24/7 Enterprise Discs Windows 10 Pro 64bit Windows Server 2019, STD 16 Cores INTEL Core 17-9700 3,0GHz 2 x 8GB 2400MHz DDR4 Non-ECC (16GB) To 32GB or 64GB RAM 3x 80mm Hot-swap 4-pin PWM Fans 2x 80mm Rear-exhaust 4-pin PWM Fans 5 USB connector 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) 5xUSB 2.0 (2 rear + 4 via headers) 1x1el® i217LM & 1x Intel® i210AT) ****	*Up to 3200 fps/sec in H.264Power Configurations1 x NVMe 2.M 250 SSDSoftware** 1x Display Port, 1xDVI-D, 1xHDMISoftwareYesDimensions / WeightsSATA/SAS with RAID controllerHWWXD mm)54TB set for Secure Data DistributionHWWXD mm)12 x 3,5" hot swap baysGeneral3 x 18Tb RAID-0 virtual discsLanguagesusing 3 x 6Tb HDD in each (24 mByte/s)Operation conditions9 x 6TB HDD 24/7 Enterprise DiscsOperation conditionsWindows 10 Pro 64bitIncluded accessoriesWindows Server 2019, STD 16 CoresWarrantyINTEL Core 17-9700 3,0GHzPart number2 x 8GB 2400MHz DDR4 Non-ECC (16GB)Part numberTo 32GB or 64GB RAMEasyView3x 80mm Hot-swap 4-pin PWM FansEasyViewSUsing H264 for 31 daysEasyViewUsing H264 for 60 daysUSB 2.0 (2 rear + 4 via headers)SxUSB 3.0 (4 rear + 4 via headers)Dual Gigabit Ethernet LAN portsIntel* (212LIM & 1x Intel* i210AT)****1200W (1+1) high-efficiency (94%+) AC-DCRedundant power supplies with PMBusForm Factor

Power requirements

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

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

C E FC

We reserve the right to introduct product modifications without notice

0 0 o

00

8 9 6 6

12. SPDIF Out

14. Line 15. Mic

Amm : 12

3

3. DVI Port 4. IAN 1

5. USB 3.1 gen 1 6. USB 3.1 gen 2

 1. HDNI Port
 7. UAN 2
 10. CEN/LFE out

 2. DP Port
 8. USB 3.0
 g
 11. Surround Out

 3. DVI Port
 9. USB 3.0
 g
 12. SPDIF Out

 41.60.1
 9.
 9. USB 3.0
 g



Storage 72TB

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD	-	for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	6
Auto-rebooting after power failure	Yes	Form Factor	2U 19" Rack Frame
Storage		Rack Rails	Yes
Storage interface	SATA/SAS with RAID controller	Dimensions	89x437x647
Storage included	72TB set for Secure Data Distribution	_ <u>(HxWxD mm)</u> Weight	Up to 32KG (Cabinet 24.95KG)
Storage bays	12 x 3,5" hot swap bays	General	
RAID controller settings	3 x 24TB RAID-0 virtual discs	Languages	25 including : English, German, French,
	using 4 x 6Tb HDD in each (32 mByte/s)	Languages	Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	12 x 6TB HDD 24/7 Enterprise Discs		
OS support		Operation conditions	Temperature range from +5°C to +35°C
OS	Windows 10 Pro 64bit	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I7-9700 3,0GHz		2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 8GB 2400MHz DDR4 Non-ECC (16GB)	 Part number	schuko 2M , Power 2M UK, Rack Kit BUILD-EASY-VIEW-7
Memory Upgrade Options	To 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling			
Fan type	3x 80mm Hot-swap 4-pin PWM Fans	Recommended EasyVie	
Hat were Fau	2x 80mm Rear-exhaust 4-pin PWM Fans	EasyView	64 x BUILD-V8-EASYVIEW-1CH
Hot swap Fan	5	Using H264 for 31 days	64 Channels @25pps 1080P 50% Motion
On-Board Devices		EasyView	32 x 0063-80001
Keyboard / mouse Chipset	USB connector Intel [®] C226 Express PCH	 Using H264 for 60 days 	32 Channels @25pps 1080P 50% Motion
Audio	HD Audio 7.1 channel connector by	-	
///////	Realtek ALC1150		
USB ports	8x USB 3.0 (4 rear + 4 via headers)	Constant and	Construction of Construction of Construction
	6xUSB 2.0 (2 rear + 4 via headers)	COLUMN AND ADDRESS OF ADDRES	
Network card	Dual Gigabit Ethernet LAN ports	1 Personal and the second s	
	(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	0	
•	· ·		- 00

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

C E FC

We reserve the right to introduct product modifications without notice

0 0 a

0 8 9 0

0 0

Amm : 12 3

3. DVI Port 4. IAN 1

5. USB 3.1 gen 1 6. USB 3.1 gen 2

 1. HDNI Port
 7. UAN 2
 10. CEN/LFE out

 2. DP Port
 8. USB 3.0
 g
 11. Surround Out

 3. DVI Port
 9. USB 3.0
 g
 12. SPDIF Out

 41.60.1
 9.
 9. USB 3.0
 g

6 6

12. SPDIF Out

14. U 15. M

Tempovej 41 2750 Ballerup

Storage 90TB

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD		for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	;
Auto-rebooting after	Yes	Form Factor	3U 19" Rack Frame
power failure		Rack Rails	Yes
Storage	CATA/CAC with DAID souther list	Dimensions	132x437x647
Storage interface	SATA/SAS with RAID controller	_ (HxWxD mm)	
Storage included	90TB set for Secure Data Distribution	Weight	Up to 40.02KG (Cabinet 34.02KG)
Storage bays	16 x 3,5" hot swap bays	General	
RAID controller settings	3 x 30TB RAID-0 virtual discs using 5 x 6TB HDD in each (40 mByte/s)	Languages	25 including : English, German, French,
Storage hard drive options	15 x 6TB HDD 24/7 Enterprise Discs	-	Spanish, Dutch, Danish, Italian, Finnish
OS support		Operation conditions	Temperature range from +5°C to +35°C
	Windows 10 Drs (4hit	Operating Relative	8% ~ 90% (non-condensing)
OS	Windows 10 Pro 64bit	_ Humidity Range	
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I7-9700 3,0GHz		2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 8GB 2400MHz DDR4 Non-ECC (16GB)	– Part number	schuko 2M , Power 2M UK, Rack Kit BUILD-EASY-VIEW-8
Memory Upgrade Options	To 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling		· ·	
Fan type	3x 80mm Hot-swap 4-pin PWM Fans	Recommended EasyView Options	
	2x 80mm Rear-exhaust 4-pin PWM Fans	EasyView	80 x 0063-80001
Hot swap Fan	5	Using H264 for 31 days	80 Channels @25pps 1080P 50% Motion
On-Board Devices		EasyView	40 x 0063-80001
Keyboard / mouse	USB connector	 Using H264 for 60 days 	40 Channels @25pps 1080P 50% Motion
Chipset Audio	Intel [®] C226 Express PCH HD Audio 7.1 channel connector by	- EasyView	30 x 0063-80001
Auulo	Realtek ALC1150	_ Using H264 for 90 days	30 Channels @25pps 1080P 50% Motion
USB ports	8x USB 3.0 (4 rear + 4 via headers)	_ OSING H204 101 90 days	So charmers @25pps 1080P 50% Motion
F	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		100	
Redundant PSU	920W (1+1) high-efficiency (94%+) AC-DC		

Power requirements

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

Redundant power supplies with PMBus

We reserve the right to introduct product modifications without notice

Ernitec Tempovej 41 2750 Ballerup Denmark

* 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

and I2C



Storage 120TB

		_	
Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264	Power Configurations	IPMI, ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode
System Hard drive with OS	1 x NVMe 2.M 250 SSD		for AC power recovery
Graphic controller for 3	** 1x Display Port, 1xDVI-D, 1xHDMI	Software	SuperDoctor 5, IPMI View
monitor output		Dimensions / Weights	
Auto-rebooting after power failure	Yes	Form Factor	3U 19" Rack Frame
Storage		Rack Rails	Yes
Storage interface	SATA/SAS with RAID controller	Dimensions (HxWxD mm)	132x437x647
Storage included	120TB set for Secure Data Distribution	Weight	Up to 40.02KG (Cabinet 34.02KG)
Storage bays	16 x 3,5" hot swap bays	General	
RAID controller settings	3 x 40TB RAID-0 virtual discs using 5 x 8TB HDD in each (40 mByte/s)	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	15 x 8TB SAS HDD 24/7 Enterprise Discs	Operation conditions	Temperature range from +5°C to +35°C
OS support		· · · · · · · · · · · · · · · · · · ·	
OS	Windows 10 Pro 64bit	Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Warranty	3 years
CPU / Memory		Included accessories	1x OPTICAL MOUSE BLACK/USB PS2, CAT6
CPU Coffee Lake	INTEL Core I7-9700 3,0GHz		2M GREY, CAT6 2M BLUE, Power Cord
Memory	2 x 8GB 2400MHz DDR4 Non-ECC (16GB)	 Part number	schuko 2M , Power 2M UK, Rack Kit BUILD-EASY-VIEW-9
Memory Upgrade Options	To 32GB or 64GB RAM	EasyView Part Number	0063-80001-BUILD, 0063-80001-BUILD-UK
Cooling			
Fan type	3x 80mm Hot-swap 4-pin PWM Fans	Recommended EasyVie	80 x 0063-80001
Hot swap Fan	2x 80mm Rear-exhaust 4-pin PWM Fans	EasyView	
	5	Using H264 for 31 days	80 Channels @25pps 1080P 50% Motion
On-Board Devices Keyboard / mouse	USB connector	EasyView	40 x 0063-80001
Chipset	Intel [®] C226 Express PCH	Using H264 for 60 days	40 Channels @25pps 1080P 50% Motion
Audio	HD Audio 7.1 channel connector by	EasyView	30 x 0063-80001
	Realtek ALC1150	Using H264 for 90 days	30 Channels @25pps 1080P 50% Motion
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	1000W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus		

Power requirements





We reserve the right to introduct product modifications without notice

Ernitec Tempovej 41 2750 Ballerup Denmark

C E FC

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

and I2C

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

