



Version 4 Performance Increase

The Core-V4 series has been improved with the addition of the new 8th 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. Also an NVMe M.2 250GB SSD for OS which gives better performance.

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 before leaving the assembling line to make sure that the server will run 24 hours per day, year after year.

Advance Replacement Hard Drives

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

Pegasus V4 Servers

Core Server Concept

- 1400 & 3200 Megapixel fps Recording
- Intel i5, i7 or Xeon 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

Core Server Concept

This concept is for customers who needs a server to their own specifications, with all the build options you can specify your own custom build. Ernitec Core servers are made to our high specifications and with our 24 hour testing so when they leave the assembly line they are up to the highest standard in the surveillance industry.

Base Build Configurations

Part Number	Description
CORE-1400-4C-V4	4 BAY 1400 MEGAPIXEL RECORDING CUBE
CORE-1400-4T-V4	4 BAY 1400 MEGAPIXEL RECORDING TOWER
CORE-1400-4R-V4	4 BAY 1400 MEGAPIXEL RECORDING 1U RACK
CORE-1400-8R-V4	8 BAY 1400 MEGAPIXEL RECORDING 2U RACK
CORE-3200-8T-V4	8 BAY 3200 MEGAPIXEL RECORDING TOWER
CORE-3200R-8R-V4	8 BAY 3200 MP RC, 2U RACK inc RAID CARD
CORE-3200R-12R-V4	12 BAY 3200 MP RC, 2U RACK inc RAID CARD
CORE-3200R-16R-V4	16 BAY 3200 MP RC, 3U RACK inc RAID CARD
CORE-ERC-CLIENT-V4	1400MP VIEWING TOWER
CORE-ERC-CLIENT-R-V4	1400MP VIEWING RACK

Core Configuration Guide

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 1400 or 3200. 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
CORE-1400-4T-V4	4 BAY 1400 Meg TOWER	Option
CORE-3200-8T-V4	8 BAY 3200 Meg TOWER	Option

Rack models

Part Number	Description	Raid Card
CORE-1400-4R-V4	4 BAY 1400 Meg RACK	Option
CORE-1400-8R-V4	8 BAY 1400 Meg RACK	Option
CORE-3200R-8R-V4	8 BAY 3200 Meg RACK	Included
CORE-3200R-12R-V4	12 BAY 3200 Meg RACK	Included
CORE-3200R-16R-V4	16 BAY 3200 Meg RACK	Included

Clients

Part Number	Description	Raid Card
CORE-CLIENT-R-V4	1400 MP Viewing RACK	N/A
CORE-CLIENT-V4	1400 MP Viewing TOWER	N/A

Part Number Guide

Options	Part Number	Description
Name	CORE	Design Your Own Product Line
Performance	1400 or 3200	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
Version Number	V4	This shows it's 4 th generation



Upgrade Options for Pegasus Core Servers

Customize options for the CORE Surveillance servers enable you to design the server to the project requirements. All hard drives are enterprise performance rated which are optimized for 24/7 surveillance use. The hardware 8ch RAID controller supports 1.5, 3.0 and 12.0 Gb/s SAS and SATA data transfer rates on all channels and the professional graphics card renders pristine image quality on up to eight Display Port monitors at resolutions up to 2560 x 1600 per output.

Monitor Cards	Description
CORE-3MONITOR-V4	GRAPHIC CARD FOR 3 MONITORS, 3 Mini display ports
CORE-4MONITOR-V4	GRAPHIC CARD FOR 4 MONITORS, 4 display port
CORE-6MONITOR-V4	GRAPHIC CARD FOR 6 MONITORS, 6 display port, 6 DVI output
CORE-8MONITOR-V4	GRAPHIC CARD FOR 8 MONITORS, 8 display port, 8 DVI output



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



RAM Options	Description	OS Options	Description
CORE-CPU-UPGRADE TO 3200MP	Upgrade to: INTEL Xeon E-2174G 3,80GHz	CORE-WIN-10-PRO-STD	WINDOWS 10 Standard Install
CORE-CPU-UPGRADE TO 3200MPS	Upgrade to: INTEL Core i7-9700 3,0GHz	CORE-WIN2019R-STD-ESR	WINDOWS Standard, 16 cores
CORE-UPGRADE-RAM-16GB-V4	16 GIG RAM, Addition of 2 x 4 Gig Strips		
CORE-UPGRADE-RAM-32GB-V4	32 GIG RAM, Addition of 4 x 8 Gig Strips		
CORE-UPGRADE-RAM-64GB-V4	64 GIG RAM, Addition of 4 x 16 Gig Strips		



* All Monitor cards can fit into the CORE-1000-4R using a riser card.
** Only the 3 and 4 way monitor cards fit into the CORE-1400-8R-V4, 8 Bay 2 U RACK

Additional Parts For Pegasus Core Series

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

CORE-1TB-SATA-HDD	1 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-2TB-SATA-HDD	2 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-3TB-SATA-HDD	3 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-4TB-SATA-HDD	4 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-6TB-SATA-HDD	6 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-8TB-SATA-HDD	8 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-10TB-SATA-HDD	10 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-12TB-SATA-HDD	12 Terabyte 24/7 HDD SATA industrial IntelliPower rpm
CORE-14TB-SATA-HDD	14 Terabyte 24/7 HDD SATA industrial IntelliPower rpm

SAS Drives

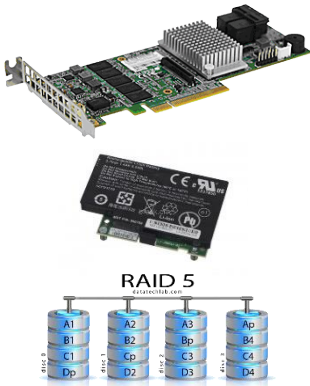
CORE-1TB-SAS-HDD	1 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-2TB-SAS-HDD	2 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-3TB-SAS-HDD	3 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-4TB-SAS-HDD	4 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-6TB-SAS-HDD	6 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-8TB-SAS-HDD	8 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller
CORE-10TB-SAS-HDD	10 Terabyte 24/7 HDD SAS, 7200rpm optimized for RAID controller

Live Data Base Drives

CORE-300GB-SAS-15K-HDD	300 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
CORE-450GB-SAS-15K-HDD	450 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
CORE-600GB-SAS-15K-HDD	600 GB 24/7 HDD SAS, 15000rpm optimized for RAID controller
CORE-1800GB-SAS-10K-HDD	1800 GB 24/7 HDD SAS, 10000rpm optimized for RAID controller

SSD Drives

HDD-512GB-SSD	24/7 HDD SSD for high speed live database requirements
HDD-1000GB-SSD	24/7 HDD SSD for high speed live database requirements



RAID Options

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

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

** The CORE-1400-4R has space for one card, so you can use either a RAID or Monitor card.

Technical Specification CORE-1400-4C-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 1400 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. RAID controller option
Storage included	-
Storage bays	4x 3,5" hot swap bays
RAID controller Options	CORE-8CH-RAID-CONT CORE-RAID-BBU
Storage hard drive options	See upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee Lake	INTEL Core I5-8600 3,1GHz
CPU Upgrade Options	INTEL Core I7-9700 3,0GHz
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM
Cooling	
Fan type	1x 92mm Front Thermal Fan
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
Embedded RAID Controller	***
Power	
Fixed PSU	250W 80 PLUS Bronze-certified High-efficiency power supply
Power requirements	100V -240V AC/50-60Hz/500W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	Tower
Dimensions (HxWxD mm)	426x178x531
Weight net.	Up to 22.7KG (Cabinet 16.7KG)
General	
Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Operation conditions	Temperature range from +5°C to +35°C
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Warranty	3 years
Part number	CORE-1400-4C-V4
Options	
See pages	3 & 4



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

* Tested with Ernitec Easyview V8
** 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 CORE-1400-4T-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 1400 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. RAID controller option
Storage included	-
Storage bays	4x 3,5" hot swap bays
RAID controller Options	CORE-8CH-RAID-CONT CORE-RAID-BBU
Storage hard drive options	See upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee Lake	INTEL Core I5-8600 3,1GHz
CPU Upgrade Options	INTEL Core I7-9700 3,0GHz
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM
Cooling	
Fan type	1x 92mm Front Thermal Fan
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
Embedded RAID Controller	***
Power	
Fixed PSU	500W high-efficiency power supplies
Power requirements	100V -240V AC/50-60Hz/500W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	Tower
Dimensions (HxWxD mm)	426x178x531
Weight net.	Up to 22.7KG (Cabinet 16.7KG)
General	
Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Operation conditions	Temperature range from +5°C to +35°C
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Warranty	3 years
Part number	CORE-1400-4T-V4
Options	
See pages	3 & 4



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

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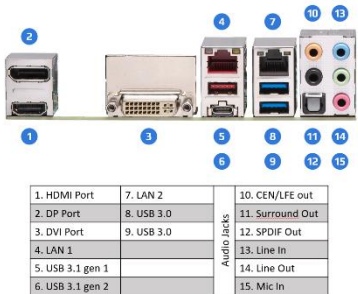
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Technical Specification CORE-3200-8T-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. RAID controller option
Storage included	-
Storage bays	8 x 3,5" hot swap bays
RAID controller Options	CORE-8CH-RAID-CONT CORE-RAID-BBU
Storage hard drive options	See upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee Lake	INTEL Xeon E-2174G 3,80GHz
CPU Upgrade Options	INTEL Core I7-9700 3,0GHz
Memory	2x 8GB 2400MHz DDR4 Non-ECC (16GB)
Memory Upgrade Options	To 32GB or 64GB RAM
Cooling	
Fan type	4x 80mm Hot-swap 4-pin PWM Fans
Hot swap Fan	4
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
Onboard RAID Controller	***
Power	
Fixed PSU	665W Super Quiet (25dB) (Bronze Level) High-efficiency PS
Power requirements	100v -240V AC/50-60Hz/500W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	Tower/Rack
Dimensions (HxWxD mm)	452x178x647
Rack Kit	Option Part No: RACKKIT
Weight net	Up to 29.6KG (Cabinet 23.6KG)
General	
Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Operation conditions	Temperature range from +5°C to +35°C
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Warranty	3 years
Part number	CORE-3200-8T-V4
Options	
See Pages	3 & 4



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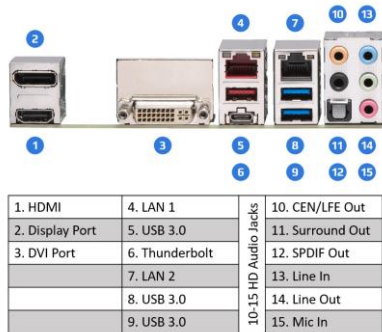


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Technical Specification CORE-1400-4R-V4

Features		Management	
Recording frame rate at resolution 1280 x 720	*Up to 1400 fps/sec in H.264	Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
System Hard drive with OS	1 x NVMe 2.M 250 SSD	Software	SuperDoctor 5
Graphic controller for 3 monitor output	** ** 1x Display Port, 1xDVI-D, 1xHDMI	Dimensions / Weights	
Auto-rebooting after power failure	Yes	Form Factor	1U 19" Rack Frame
Storage		Rack Rails	Yes
Storage interface	M.2/SATA/SAS. RAID controller option	Dimensions (HxWxD mm)	43x437x503
Storage included	-	Weight	Up to 21.2KG (Cabinet 15.2KG)
Storage bays	4 usable 3,5" hot swap bays	General	
RAID controller Options	CORE-8CH-RAID-CONT CORE-RAID-BBU	Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Storage hard drive options	see upgrade options for more info	Operation conditions	Temperature range from +5°C to +35°C
OS support		Operating Relative Humidity Range	8% ~ 90% (non-condensing)
OS	Windows 10 Pro 64 bit OEM	Warranty	3 years
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores	Part number	CORE-1400-4R-V4
CPU / Memory		Options	
CPU Coffee Lake	INTEL Core I5-8600 3,1GHz	See Pages	3 & 4
CPU upgrade option	INTEL Core I7-9700 3,0GHz		
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)		
Memory Upgrade Options	To 16GB, 32GB or 64GB RAM		
Cooling			
Fan type	80x38mm 4-pin PWM Fans		
Hot swap Fan	3		
On-Board Devices			
Keyboard / mouse	USB connector		
Chipset	Intel® C246		
Audio	ALC 888S HD Audio		
USB ports	7 USB 2.0 ports (6 headers, 1 Type A) 2 USB 3.1 Gen1 ports(2 headers) 6 USB 3.1 Gen2 ports (3 Rears Type A + 1 Rear Type C, 2 headers)		
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT		
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		



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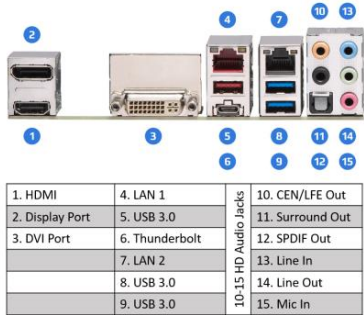


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Technical Specification CORE-1400-8R-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 1400 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. RAID controller option
Storage included	-
Storage bays	8 x 3,5" hot swap bays
RAID controller Options	CORE-8CH-RAID-CONT CORE-RAID-BBU
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee lake	INTEL Core I5-8600 3,1GHz
CPU upgrade option	INTEL Core I7-9700 3,0GHz
Memory	2 x 4GB 2400MHz DDR4 Non-ECC (8GB)
Cooling	
Fan type	80x38mm 4-pin PWM Fans
Hot swap Fan	3
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
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

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	2U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	89x437x647
Weight	Up to 29.9KG (Cabinet 23.9KG)
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
Part number	CORE-1400-8R-V4
Options	
See Pages	3 & 4



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Technical Specification CORE-3200R-8R-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. RAID controller option
Storage included	-
Storage bays	8 x 3,5" hot swap bays
RAID controller Included	High Performance 16ch controller, 12Gbps 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee lake	INTEL Core I7-9700 3,0GHz
Memory	2 x 8GB 2400MHz DDR4 Non-ECC (16GB)
Cooling	
Fan type	80x38mm 4-pin PWM Fans
Hot swap Fan	3
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
RAID Controller	8ch controller, 12GB/s per port
Power	
Redundant PSU	720W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PM Bus and I2C
Power requirements	100v -240V AC/50-60Hz/720W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	2U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	89x437x647
Weight	Up to 29.9KG (Cabinet 23.9KG)
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
Part number	CORE-3200R-8R-V4
Options	
See Pages	3 & 4



1. HDMI	4. LAN 1	10-15 HD Audio Jacks	10. CEN/LFE Out
2. Display Port	5. USB 3.0		11. Surround Out
3. DVI Port	6. Thunderbolt		12. SPDIF Out
	7. LAN 2		13. Line In
	8. USB 3.0		14. Line Out
	9. USB 3.0		15. Mic In

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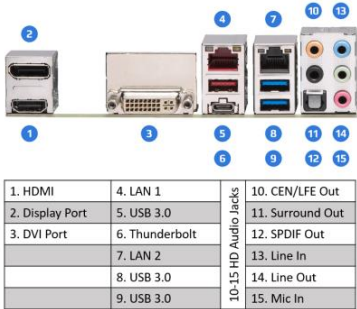


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Technical Specification CORE-3200R-12R-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	SATA/SAS with RAID controller
Storage included	-
Storage bays	12 x 3,5" hot swap bays
RAID controller Included	High Performance 16ch controller, 12Gbps 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Coffee Lake	INTEL Xeon E-2174G 3,80GHz
CPU upgrade option	INTEL Core I7-9700 3,0GHz
Memory	2x 8GB 2400MHz DDR4 Non-ECC (16GB)
Memory Upgrade Options	To 32GB or 64GB RAM
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® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
RAID Controller	8ch controller, 12GB/s per port
Power	
Redundant PSU	2 x 1200W (1+1) high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C
Power requirements	100v -240V AC/50-60Hz/920W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	2U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	89x437x647
Weight	Up to 32KG (Cabinet 24.95KG)
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
Part number	CORE-3200R-12R-V4
Options	
See Pages	3 & 4



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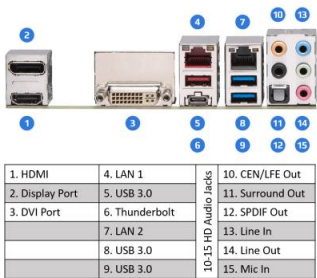
Ernitec
Tempovej 41
2750 Ballerup
Denmark

Technical Specification CORE-3200R-16R-V4

Features	
Recording frame rate at resolution 1280 x 720	*Up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Auto-rebooting after power failure	Yes
Storage	
Storage interface	SATA/SAS with RAID controller
Storage included	-
Storage bays	16 x 3,5" hot swap bays
RAID controller Included	High Performance 16ch controller, 12Gbps 0,1,5,6,10,50,60 + hot spare
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Kaby Lake	INTEL Xeon E-2174G 3,80GHz
CPU upgrade option	INTEL Core I7-9700 3,0GHz
Memory	2x 8GB 2400MHz DDR4 Non-ECC (16GB)
Memory Upgrade Options	To 32GB or 64GB RAM
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® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A)) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
RAID Controller	8ch controller, 12GB/s per port
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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Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	3U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	132x437x647
Weight	Up to 40.02KG (Cabinet 34.02KG)
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
Part number	CORE-3200R-16R-V4
Options	
See Pages	3 & 4

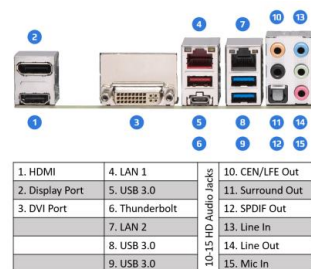


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Technical Specification CORE-CLIENT-V4

Features	
Framerate resolution at 1280 x 720	*Viewing up to 1400 fps/sec in H.264 or Recording up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1x Display Port, 1xDVI-D, 1xHDMI
Ernitec ESR software	Yes
Ernitec Pre Server Configurator	Yes
Auto-rebooting after power failure	Yes
Storage	
Storage interface	M.2/SATA/SAS. JBOD
Storage included	-
Storage bays	4 usable 3,5" internal bays
RAID controller optional	N/A
Storage hard drive options	See upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Kaby Lake	INTEL Core I7-9700 3,0GHz
Memory	2x 8GB 2400MHz DDR4 Non-ECC (16GB)
Memory Upgrade Options	To 32GB or 64GB RAM
Cooling	
Fan type	1x 92mm Front Thermal Fan
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	2 USB 2.0 ports (2 headers, Type A) 4 USB 3.1 Gen1 ports (2 Rears Type A, 2 headers) 4 USB 3.1 Gen2 ports (1 Rear Type A + 1 Rear Type C, 1 header, 1 Type A)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
Embedded RAID Controller	***
Power	
Fixed PSU	500W high-efficiency power supplies
Power requirements	100V -240V AC/50-60Hz/500W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	Tower
Dimensions (HxWxD mm)	426x193x525
Weight net.	Up to 14.7KG (Cabinet 12.7KG)
General	
Languages	25 including : English, German, French, Spanish, Dutch, Danish, Italian, Finnish
Operation conditions	Temperature range from +5°C to +35°C
Operating Relative Humidity Range	8% ~ 90% (non-condensing)
Warranty	3 years
Part number	CORE-CLIENT-V4
Options	
See Pages	3 & 4



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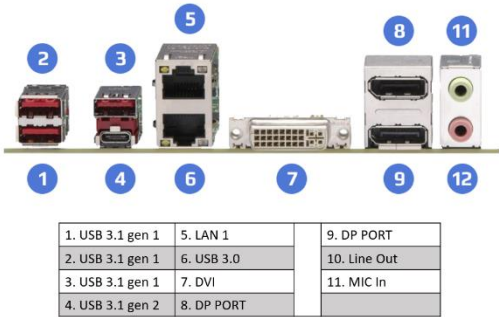
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Ernitec
Tempovej 41
2750 Ballerup
Denmark

Technical Specification CORE-CLIENT-R-V4

Features	
Framerate resolution at 1280 x 720	Viewing up to 1400 fps/sec in H.264 or Recording up to 3200 fps/sec in H.264
System Hard drive with OS	1 x NVMe 2.M 250 SSD
Graphic controller for 3 monitor output	** 1xDVI-D, 2xDisplay Port
Ernitec ESR software	Yes
Ernitec ESR INFO	Yes
Auto-rebooting after power failure	Yes
Storage	
Storage interface	SATA/SAS
Storage included	-
Storage bays	Space for 2 x 3,5" internal HDD
RAID controller Included	N/A
Storage hard drive options	see upgrade options for more info
OS support	
OS	Windows 10 Pro 64 bit OEM
Upgrade option; Win OS	Windows Server 2019, STD 16 Cores
CPU / Memory	
CPU Kaby Lake	INTEL Core I7-9700 3,0GHz
Memory	2x 8GB 2400MHz DDR4 Non-ECC (16GB)
Memory Upgrade Options	To 32GB or 64GB RAM
Cooling	
Fan type	40mm counter-rotating PWM fan(s)
Number of Fans	2
On-Board Devices	
Keyboard / mouse	USB connector
Chipset	Intel® C246
Audio	ALC 888S HD Audio
USB ports	7 USB 2.0 ports (6 headers, 1 Type A)) 2 USB 3.1 Gen1 ports(2 headers) 6 USB 3.1 Gen2 ports (3 Rears Type A + 1 Rear Type C, 2 headers)
Network card	Single Intel® PHY I219LM LAN controller Single Intel® Ethernet Controller I210-AT
Onboard RAID Controller	***
Power	
Fixed PSU	350W Gold Level High-efficiency Power Supply
Power requirements	100v -240V AC/50-60Hz/350W

Management	
Power Configurations	ACPI Power Management, Keyboard Wakeup from Soft-Off, Power-on mode for AC power recovery
Software	SuperDoctor 5
Dimensions / Weights	
Form Factor	1U 19" Rack Frame
Rack Rails	Yes
Dimensions (HxWxD mm)	43x437x369
Weight	Up to 8.1KG (Cabinet 6.4KG)
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
Part number	CORE-CLIENT-R-V4
Options	
See Pages	3 & 4



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