



## High capacity NVR servers efficient and reliable



- Premium Server
- Standard Server
- Entry Level Server

DataCAM specializes in manufacturing servers exclusively for the specific needs of recording HD and SuperHD video streams, which require high speed simultaneous write / read.

We have been manufacturing this kind of servers for more than ten years now for various integrators and large companies who have specific needs and who are concerned about reliability with the best quality ratio/price on the market.

Full 5 year warranty



*"All of our servers are built with the best components available, without compromise, because our reputation is what matters most."*

Daniel Damboise, President DataCAM

DataCAM servers are compatible with all of the following recording software and many more...



# Comparative table



		Premium Server	Standard Server	Entry-Level Server
1	Storage capacities usable	Premium: 10TB - 20TB - 32TB - 48TB - 64TB	Standard : 20TB - 32TB - 48TB - 64TB - 80TB - 96TB - 112TB	10TB - 12TB - 14TB - 16TB <b>Without DATA protection</b>
2	Storage capacities Plus usable	Premium Plus: 80TB - 96TB - 108TB	Standard Plus : 128TB - 144TB - 160TB - 176TB	10TB - 12TB - 14TB - 16TB <b>With DATA protection in RAID 1</b>
3	Storage capacities Extra usable	Premium Extra: 112TB - 128TB - 144TB	Standard Extra : 208TB - 224TB - 240TB - 270TB	
4	Recording rate	Up to 500 Mbit/s per connexion maximum of 3	Up to 300 Mbit/s per connexion maximum of 3	Up to 300 Mbit/s Total
5	Playback rate	Up to 500 Mbit/s – While simultaneously recording video	Up to 500 Mbit/s - While simultaneously recording video	Up to 300 Mbit/s - While simultaneously recording video
6	Hard Disk Drive Configuration - Windows	2 SSD drives of 256GB in RAID 1 (mirror)	2 SSD drives of 256GB in RAID 1 (mirror)	1 or 2 SSD drives of 256GB depending on the configuration
7	Hard Disk Drive Configuration - Video Data	RAID 10 – Up to 16 x 3.5” drives – Hot Swap <b>With DATA protection</b>	RAID 5 - Up to 16 x 3.5” drives Hot-swappable <b>With DATA protection</b>	1 or 2 SAS 3.5” drives depending on the configuration
8	Video recording Hard Drive Disk Category	SAS Enterprise drive with MTBF of 2.5 M hours	SAS Enterprise drive with MTBF of 2.5 M hours	SAS Enterprise drive with MTBF of 2.5 M hours
9	RAID Controller	MegaRAID SAS controller with high-bandwidth 12Gb/s	MegaRAID SAS controller with high-bandwidth 12Gb/s	N / O
10	Operating System	Windows 10 Pro or Windows Server 2019 (option)	Windows 10 Pro or Windows Server 2019 (option)	Windows 10 Pro
11	Network Connection	4 x 1 GbE	4 x 1 GbE	2 x 1 GbE
12	Processor	Intel Xeon Silver	Intel Xeon Silver	Intel i5
13	Memory	32 Go DDR4	32 Go DDR4	16 Go DDR4
14	Video outputs	1 HDMI / 1 DVI / 1 VGA	1 HDMI / 1 DVI / 1 VGA	1 HDMI / 1 DisplayPort
15	Power Supply	Hot-swappable – Dual redundant	Hot-swappable – Dual redundant	Single power supply
16	Form Factor	Premium Extra 3U / Premium & Premium Plus 2U	Standard Extra 3U / Standard & Standard Plus 2U	N / O
17	Warranty	5 years on all components	5 years on all components	5 years on all components

# Premium Server

Very high performance technology in RACK or tower format



The RAID 10 write mode is by far the best performing for recording HD and Super HD CCTV, as it is extremely fast. Unlike the RAID 5 & 6 modes usually used in the market in order to reduce production costs, the RAID 10 mode writes two disk cylinders at the same time and is 65% faster in writing because no complex writing algorithm is used.

In order to prevent failures, we use Enterprise grade drives with an MTBF of 2.5M-hr (mean time between failures).

## PREMIUM SERVER RACK | RAID 10 – With data protection

### Description

- XEON Silver CPU
- 32Gb DDR4 memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 800 Watt TITANIUM certified redundant power supply
- 12 Gb/s SAS high-speed RAID controller
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 1,500 Mbps recording capacity
- Maximum of 500 Mbps per connection
- Recording capacity of approximately 300 HD (1080p) cameras
- Rack installation rails included
- Dimension (D x W x H) : 647 x 437 x 89 (mm)
- Full 5 year warranty



DC-PR-10 – 10TB  
DC-PR-20 – 20TB  
DC-PR-32 – 32TB  
DC-PR-48 – 48TB  
DC-PR-64 – 64TB

## PREMIUM TOWER SERVER | RAID 10 – With data protection



DC-PT-10 – 10TB  
DC-PT-20 – 20TB  
DC-PT-32 – 32TB  
DC-PT-48 – 48TB  
DC-PT-64 – 64TB

### Description

- XEON Silver CPU
- 32Gb DDR4 memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 920 Watt PLATINUM certified redundant power supply
- 12 Gb/s SAS high-speed RAID controller
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 1,500 Mbps recording capacity
- Maximum of 500 Mbps per connection
- Recording capacity of approximately 300 HD (1080p) cameras
- Dimension (D x W x H) : 647 x 178 x 452 (mm)
- Full 5 year warranty

# Premium Server

Very high performance technology in RACK or tower format



The RAID 10 write mode is by far the best performing for recording HD and Super HD CCTV, as it is extremely fast. Unlike the RAID 5 & 6 modes usually used in the market in order to reduce production costs, the RAID 10 mode writes two disk cylinders at the same time and is 65% faster in writing because no complex writing algorithm is used.

In order to prevent failures, we use Enterprise grade drives with an MTBF of 2.5M-hr (mean time between failures).

## PREMIUM PLUS SERVER RACK | RAID 10 – With data protection

### Description

- XEON Silver CPU
- 32Gb DDR4 memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 920 Watt PLATINUM certified redundant power supply
- 12 Gb/s SAS high-speed RAID controller
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 1,500 Mbps recording capacity
- Maximum of 500 Mbps per connection
- Recording capacity of approximately 300 HD (1080p) cameras
- Rack installation rails included
- Dimension (D x W x H) : 647 x 437 x 89 (mm)
- Full 5 year warranty



DC-PPR-80 – 80TB  
DC-PPR-96 – 96TB  
DC-PPR-108 – 108TB

## PREMIUM EXTRA SERVER RACK | RAID 10 – With data protection

### Description

- XEON Silver CPU
- 32Gb DDR4 memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 1000 Watt TITANIUM certified redundant power supply
- 12 Gb/s SAS high-speed RAID controller
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 1,500 Mbps recording capacity
- Maximum of 500 Mbps per connection
- Recording capacity of approximately 300 HD (1080p) cameras
- Rack installation rails included
- Dimension (D x W x H) : 647 x 437 x 132 (mm)
- Full 5 year warranty



DC-PER-112 – 112TB  
DC-PER-128 – 128TB  
DC-PER-144 – 144TB

# Standard Server

Our high performance series in RACK or TOWER format



RAID 5 is one of the most popular for IT professionals and businesses. What sets it apart from other RAIDs is the fact that the data is spread across at least three hard drives and you can use up to sixteen (16). But its greatest strength lies in the presence of the parity bits, also called correction codes which are inserted after a series of saved data and which are distributed randomly in all the disks. Thus, these correction bits will prevent data loss in the event of a hard drive failure and allow them to remain intact.

In order to prevent failures, we use «Enterprise» grade drives with an MTBF of 2.5M-hr (mean time between failures).

## STANDARD RACK SERVER | RAID 5 – With data protection

### Description

- XEON Silver CPU
- 32Gb DDR4 Memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- Redundant 800 watt TITANIUM certified power supply
- RAID SAS controller with high-bandwidth 12Gb/s
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 900 Mbps recording capacity
- Maximum of 300 Mbps per connection
- Recording capacity of approximately 200 HD (1080p) cameras
- Rack installation rails included
- Dimension (D x W x H) : 647 x 437 x 89 (mm)
- **Full 5 year warranty**



- DC-SR-20 – 20TB
- DC-SR-32 – 32TB
- DC-SR-48 – 48TB
- DC-SR-64 – 64TB
- DC-SR-80 – 80TB
- DC-SR-96 – 96TB
- DC-SR-112 – 112TB

## STANDARD TOWER SERVER | RAID 5 – With data protection



- DC-ST-20 – 20TB
- DC-ST-32 – 32TB
- DC-ST-48 – 48TB
- DC-ST-64 – 64TB
- DC-ST-80 – 80TB
- DC-ST-96 – 96TB
- DC-ST-112 – 112TB

### Description

- XEON Silver CPU
- 32Gb DDR4-2400 Memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 920 Watt PLATINUM certified redundant power supply
- RAID SAS controller with high-bandwidth 12Gb/s
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 700 Mbps recording capacity
- Maximum of 300 Mbps per connection
- Recording capacity of approximately 200 HD (1080p) cameras
- Dimension (D x W x H) : 647 x 178 x 452 (mm)
- **Full 5 year warranty**

# Standard Server

Our high performance series in RACK or TOWER format



RAID 5 is one of the most popular for IT professionals and businesses. What sets it apart from other RAIDs is the fact that the data is spread across at least three hard drives and you can use up to sixteen (16). But its greatest strength lies in the presence of the parity bits, also called correction codes which are inserted after a series of saved data and which are distributed randomly in all the disks. Thus, these correction bits will prevent data loss in the event of a hard drive failure and allow them to remain intact.

In order to prevent failures, we use «Enterprise» grade drives with an MTBF of 2.5M-hr (mean time between failures).

## STANDARD PLUS RACK SERVER | RAID 5 – With data protection

### Description

- XEON Silver CPU
- 32Gb DDR4 Memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- 920 watt TITANIUM certified redundant power supply
- RAID SAS controller with high-bandwidth 12Gb/s
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 900 Mbps recording capacity
- Maximum of 300 Mbps per connection
- Recording capacity of approximately 200 HD (1080p) cameras
- Rack installation rails included
- Dimension (D x W x H) : 659 x 438 x 87 (mm)
- **Full 5 year warranty**



- DC-SPR-128 – 128TB
- DC-SPR-144 – 144TB
- DC-SPR-160 – 160TB
- DC-SPR-176 – 176TB

## STANDARD EXTRA RACK SERVER | RAID 5 – With data protection



- DC-SPE-208 – 208TB
- DC-SPE-224 – 224TB
- DC-SPE-240 – 240TB
- DC-SPE-270 – 270TB

### Description

- XEON Silver CPU
- 32Gb DDR4 Memory
- Windows 10 Pro on SSD in RAID 1 (mirror)
- Redundant 920 watt PLATINUM certified power supply
- RAID SAS controller with high-bandwidth 12Gb/s
- Four Gigabit network connectors
- HDMI / DVI / VGA video outputs
- 900 Mbps recording capacity
- Maximum of 300 Mbps per connection
- Recording capacity of approximately 200 HD (1080p) cameras
- Dimension (D x W x H) : 647 x 437 x 132 (mm)
- **Full 5 year warranty**

# Entry Level Server

Our range of tower formats for small businesses



This entry-level specialized server for HD video recording can support video input rates of up to 300 Mbps without problems and / or approximately 24 HD cameras (1080p). The bezel is lockable to prevent access to hard drives and power controls.

In order to prevent failures, we use «Enterprise» grade drives with an MTBF of 2.5M-hr (mean time between failures).

## ENTRY LEVEL SERVER

### Description

- 10<sup>th</sup> generation i5 processor
- 16Gb DDR4 memory
- Windows 10 Pro on 256GB SSD
- 10TB Enterprise grade video recording disc
- GOLD certified power supply
- Two Gigabit network connectors
- HDMI 1.4b / DisplayPort 1.4 video output
- 4 x USB 2.0 / 4 x USB 3.2
- Dimension (D x W x H) : 310 x 200 x 270 (mm)
- Full 5 year warranty

DC-EG-10 – 10TB  
DC-EG-12 – 12TB  
DC-EG-14 – 14TB  
DC-EG-16 – 16TB



## RAID ENTRY LEVEL SERVER | RAID 1 – With data protection



DC-EG-10R1 – 10TB  
DC-EG-12R1 – 12TB  
DC-EG-14R1 – 14TB  
DC-EG-16R1 – 16TB

### Description

- 10<sup>th</sup> generation i5 processor
- 16Gb DDR4 memory
- Windows 10 Pro on 2 SSD 256GB in RAID 1 (mirror)
- Enterprise grade video recording disc (2) in RAID 1 (mirror)
- GOLD certified power supply
- Two Gigabit network connectors
- HDMI 1.4b / DisplayPort 1.4 video output
- 4 x USB 2.0 / 4 x USB 3.2
- Dimension (D x W x H) : 310 x 200 x 270 (mm)
- Full 5 year warranty

Images are for illustrative purposes only, some details and accessories colors may change.