VYV MEDIA SERVERS
HARDWARE SPECS

Connectivity Front[1]

Front with Bezel

LED 1-2   Lock   LCD   USB 1   VGA 1

M-USB 1

Front without Bezel

RD   PWR   Rail Kit
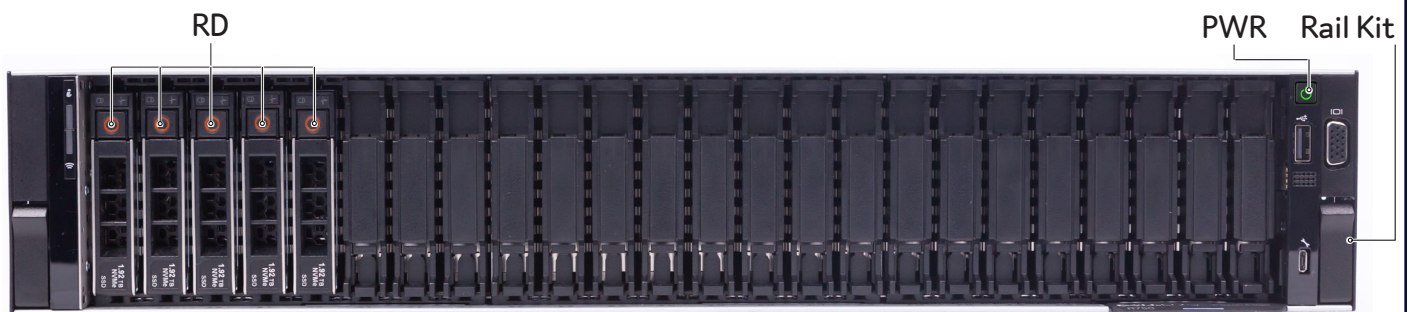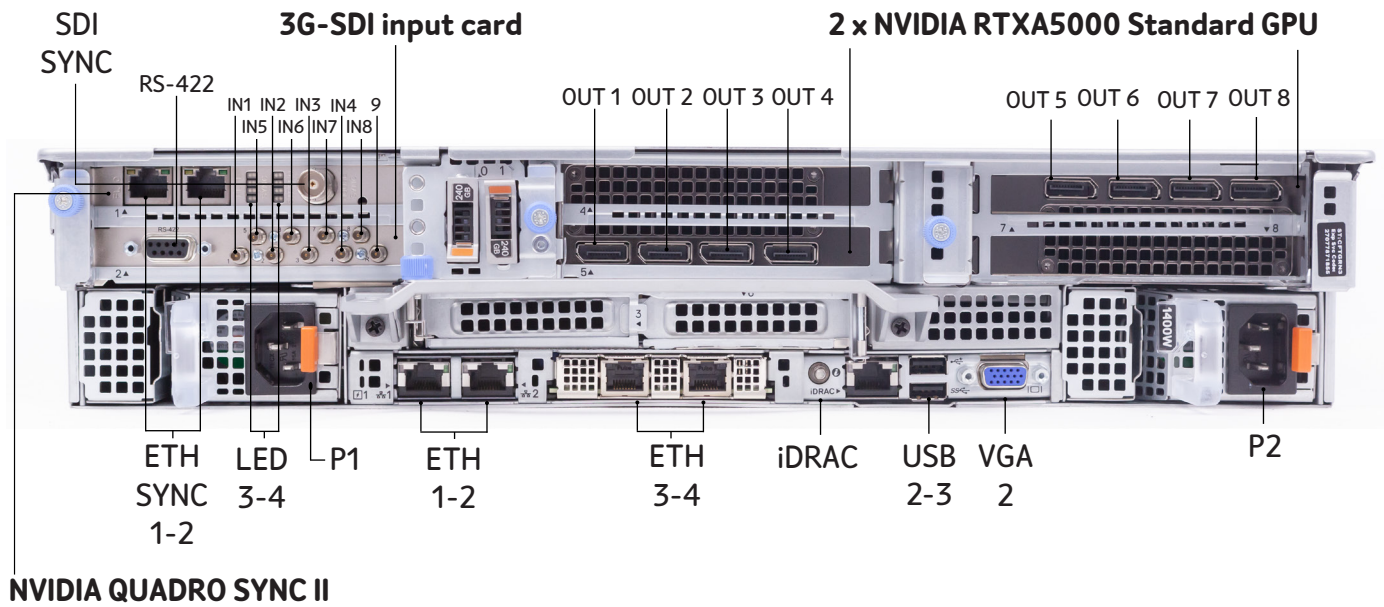
Bezel	
Lock	Bezel with keyed lock to prevent its removal or unauthorized access to SSDs
LCD	LCD Display & control pannel for easy monitoring of host name, IP address, Power consumption and thermal output

Front	
LED 1-2	Status LED indicators. For more information see the Status LED indicators section in the server manual.
USB 1	USB 2.0
VGA 1	1 x DB-15 - VGA - disabled/non-operable
M-USB1	iDRAC Direct port - micro USB 2.0 - disabled/non-operable
RAID	5 x Enterprise NVMe basic configuration (6.98 TB Storage) Up to 24 x NVME SSD Up to 160.68 TB of usable Raid-5 space (with 7.68 TB optional drives)
PWR	Power button - Indicates if the system is turned on or off.
Rail Kit	ReadyRails II™ sliding rails for tool-less mounting in 4-post racks with square or unthreaded round holes

1 - Illustrated model with 2 x RTX A5000, 8 x 3G-SDI input, and 5 x NVME RAID options.
   Back panel and final specification may change based on the chosen options.

HARDWARE SPECIFICATIONS FOR VYV MEDIA SERVERS

Connectivity Back[1]

SDI SYNC
RS-422
3G-SDI input card
IN1 IN2 IN3 IN4 9
IN5 IN6 IN7 IN8
2 x NVIDIA RTXA5000 Standard GPU
OUT 1 OUT 2 OUT 3 OUT 4
OUT 5 OUT 6 OUT 7 OUT 8
ETH SYNC 1-2
LED 3-4
P1
ETH 1-2
ETH 3-4
iDRAC
USB 2-3
VGA 2
P2
NVIDIA QUADRO SYNC II

NVIDIA RTXA5000 Standard GPU

OUT 1-8	8 x Display Port 1.4 - Can be converted to HDMI2.0 or DVI-D using passive/active adapters Use only with compliant active adapters for DVI and HDMI 2.0 when resolution is above 1080p60 All outputs on a server MUST be configured at the same resolution, frequency and timings.

3G-SDI input card (available options: none, 1x 3GSDI, 4x 3GSDI, 8x 3GSDI or 1x 12G-SDI)

RS-422	1 x RS-422 port - disabled/non-operable
IN 1-8	8 x mini-DIN (8x 3G-SDI) support up to 1080p60. Connectors can be linked for quad-link 4K support up to 4096x2160p60. As illustrated in this document. Other options are supported.
9	disabled/non-operable

Motherboard

iDrac	1 x RJ-45 iDRAC (Integrated Dell Remote Access Controller) for remote support & configuration of BIOS or RAIDs
SERIAL 1	1 x Serial port - disabled/non-operable
VGA 2	1 x DB-15 - VGA - disabled/non-operable
USB 2	USB 2.0 compliant
USB 3	USB 3.0 compliant
ETH 1-2	LOM (Lan on Motherboard) 2 x 1Gbps
ETH 3-4	2 x RJ45 10Gpbs (standard). SFP NIC options available. Other configurations available.
P1-P2	2 x Quick Swap Redondant 1400W PSU - IEC C13

NVIDIA QUADRO SYNC II (optional)

ETH Sync 1-2	2 x RJ-45 multi-server output synchronisation (frame-lock). Only used when SDI Sync is not available
LED 3-4	Status LEDs. For more information see the Status LED indicators section in the Quadro Sync II manual.
SDI SYNC	1 x BNC genlock signal from house system. Blackburst and Tri-Level Sync supported.

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HARDWARE SPECIFICATIONS FOR VYV MEDIA SERVERS

Outputs (license + hardware options)

- **2 x 4K model (4 x 2K || 3 x 3K) - 1 x GPU**
- **4 x 4K model (8 x 2K || 6 x 3K) - 2 x GPU**
- 2K includes all resolution horizontally ◄= 2048
- 3K includes all resolution horizontally ◄= 3072
- 4K includes all resolution horizontally ◄= 4096

Outputs must be physically present on the hardware and enabled in the software license. Tested splitting hardware com-patible to allow more physical display outputs : AJA HA5-4K / Datapath FX4-DVI / Datapath FX4-SDI Please contact us for compliance testing if you plan to use other splitting hardware.

Dimensions

444 mm | 17.5"

760 mm 29.92"

90 mm 3.5" 2RU

482 mm | 19"
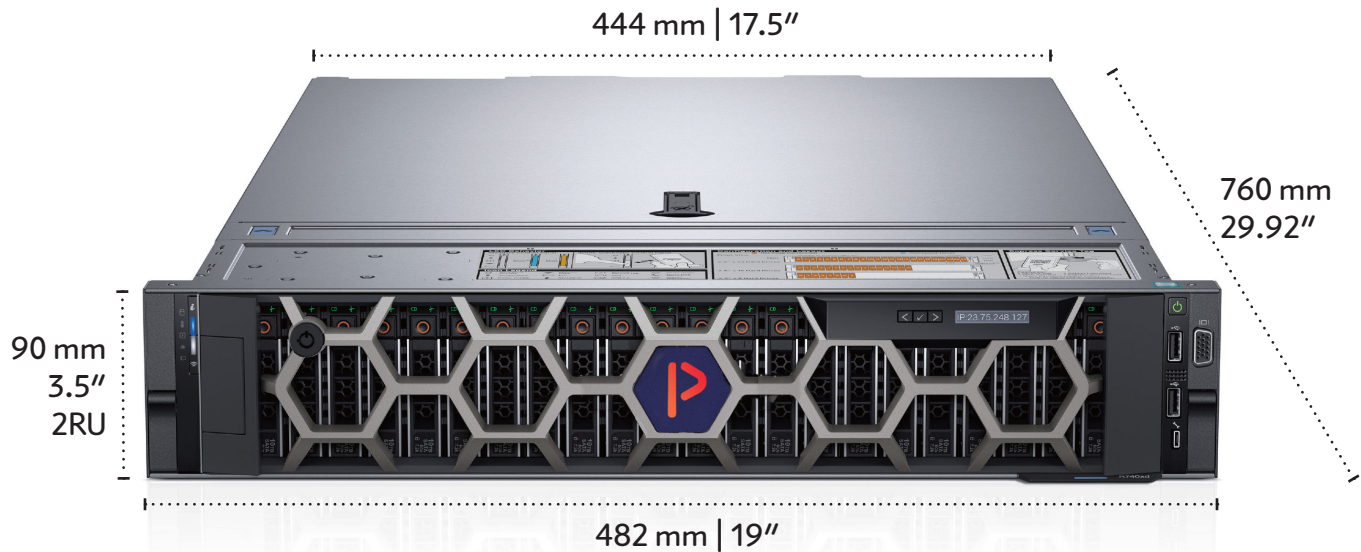
	W	H	D
Packed Dimensions	670mm	26.4"	320mm	12.6"	960mm	37.8"

Weight

Server Weight	25 kg	55.1 lbs
Packed Weight	32 kg	70.5 lbs

In the Box

- The server & its bezel
- ReadyRails II™ sliding rails
- 2 x 5-15P to C13 power cables
- 8 x DIN 1.0/2.3 TO BNC male cables (only with the Corvid 88)

Electrical & Operating Requirements

Line voltage	100–240V AC (auto-switching)
Frequency	50Hz to 60Hz, single phase
Typical electric consumption in show operation	1000W AVG (with configuration as shown in the picture)
Maximum electric consumption	2800W
Operating temperature	10° to 35° C (50° to 95° F)
Relative humidity	10% to 90% noncondensing
Heat output (show operation avg)	3200 BTU/Hr
Maximum heat output	8600 BTU/Hr

Server Hardware

CPU	Dual Intel® Xeon® Silver 2.8Ghz
GPU	NVIDIA RTXA5000 Standard
Memory	128 GB DDR4 RAM
Audio	Optional ASIO USB sound card / Dante
Operating System	Windows Server 2019

Warranties & Support

Hardware

- 3 years 24/7 next business day on-site support facilitated by Dell EMC. (terms & conditions apply, contact us for more information).

Software

- 3 years software updates included.

- Additional update plans available.

Phone and email support

- Servers, other parts and software - 3 years email and phone support by VYV, available from Monday to Friday, 9am to 5pm EST.

HARDWARE SPECIFICATIONS FOR VYV MEDIA SERVERS

www.vyv.ca
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