VYV MEDIA SERVERS
HARDWARE SPECS
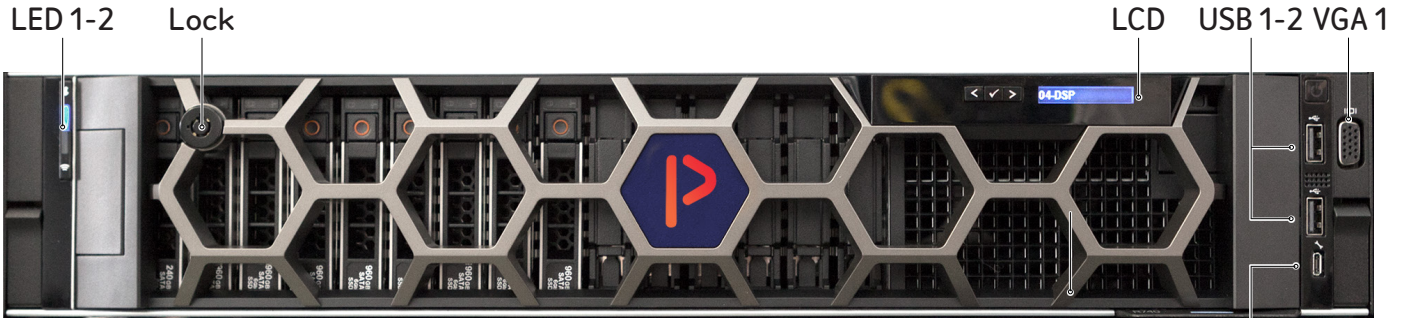
Connectivity Front [1]

Front with Bezel

LED 1-2   Lock   LCD   USB 1-2 VGA 1

M-USB 1

Front without Bezel

RD 1   RD 2   PWR   Rail Kit

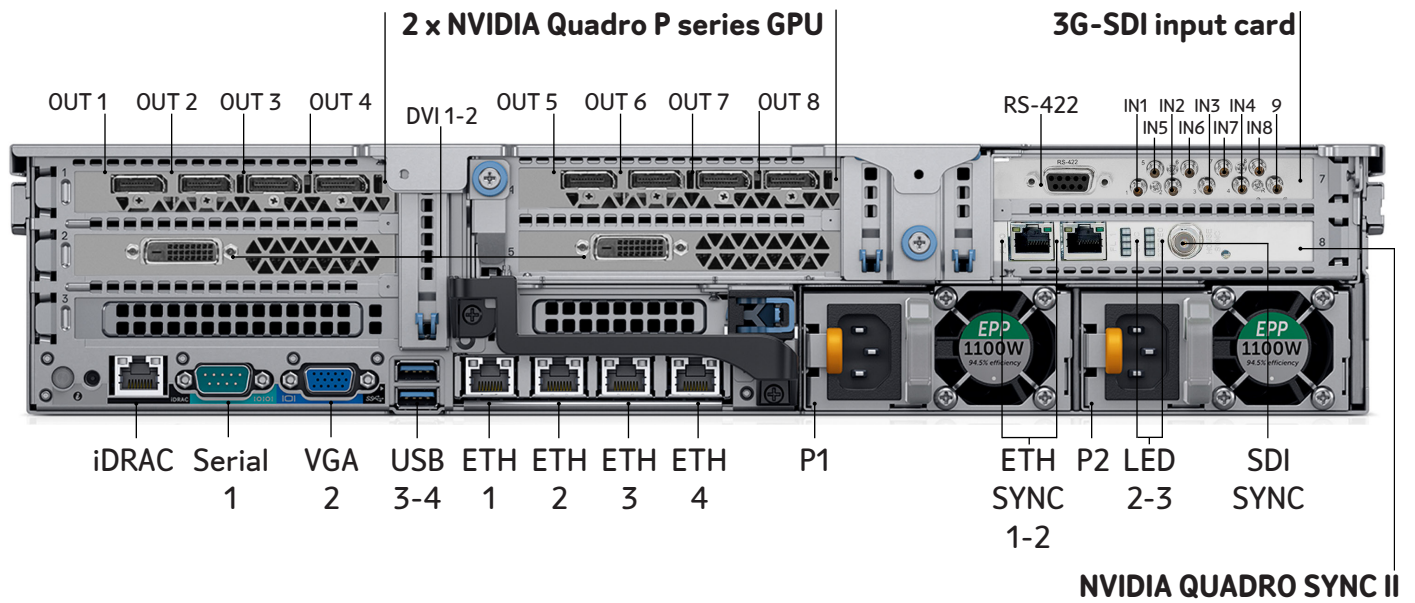| Bezel	
Lock	Bezel with keyed lock to prevent its removal or unauthorized access to SSDs
LCD	LCD Display & control pannel for easy monitoring of host name,IP address, power consumption and thermal output

Front	
LED 1-2	Status LED indicators. For more information see the Status LED indicators section in the server manual
USB 1-2	2 x 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
RD 1	**OS RAID** 2 x SSD | RAID-1 (mirror) configuration
RD2	**DATA RAID** 8 x to 22 x SSD | RAID-5 configuration | SSD models : 960 GB / 1920 GB / 3840 GB DEFAULT : 6.1 TB* | 8 x 960 GB SSD - MAX : 73.3 TB* | 22 x 3840 GB SSD *Usable Storage
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 P5000, 8 x 3G-SDI input, and 22 x SSD RAID options. Final back panel and specs will change according to the chosen options.

HARDWARE SPECIFICATIONS FOR VYV MEDIA SERVERS

Connectivity Back [1]

2 x NVIDIA Quadro P series GPU

3G-SDI input card

OUT 1 OUT 2 OUT 3 OUT 4   DVI 1-2   OUT 5 OUT 6 OUT 7 OUT 8   RS-422   IN1 IN2 IN3 IN4 9
                                                                              IN5 IN6 IN7 IN8

iDRAC   Serial   VGA   USB   ETH   ETH   ETH   ETH   P1   ETH   P2   LED   SDI
          1   2   3-4   1   2   3   4   SYNC   2-3   SYNC
                                                           1-2

NVIDIA QUADRO SYNC II

NVIDIA Quadro P series GPU (available options: single or dual P4000, P5000 or P6000)

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
DVI 1-2	2 x DVI-D, only usable on single-screen Controller Servers or with VR HMD Unused on Display Servers

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 3-4	2 x USB 3.0
ETH 1-2	2 x 10 Gbps Ethernet Connectors
ETH 3-4	2 x 1 Gbps Ethernet Connectors
P1-P2	2 x Quick Swap Redondant 1100W PSU - IEC C13 - max 500W

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 2-3	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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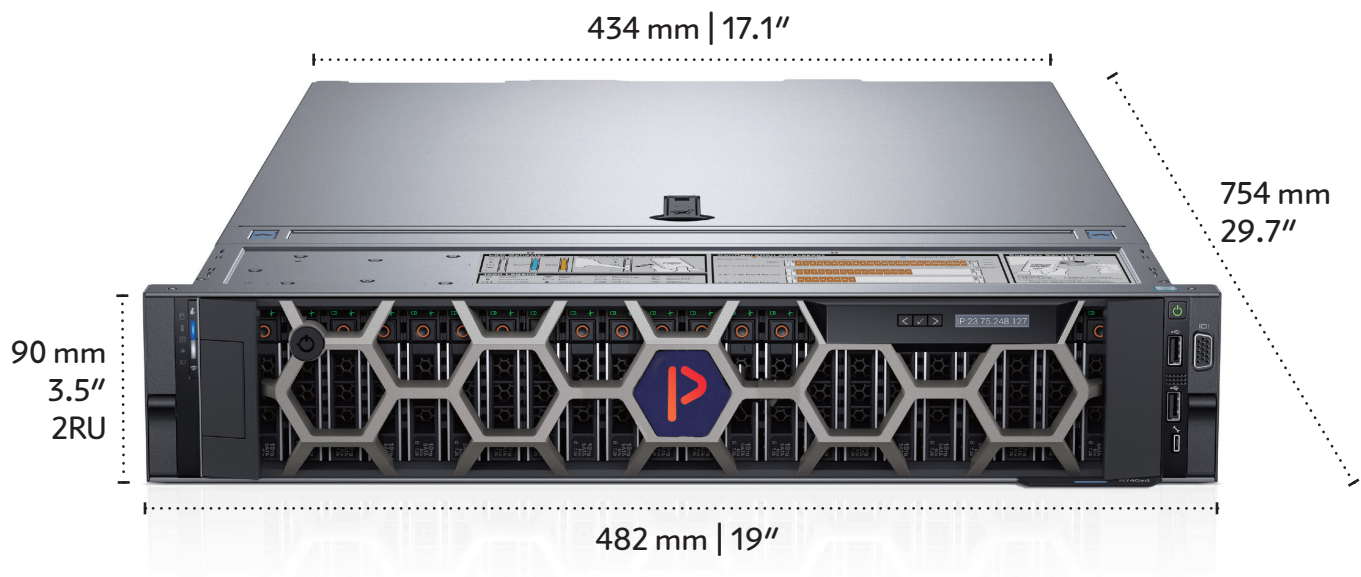
Outputs (license + hardware options)

- **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 compatible 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

434 mm | 17.1"

754 mm 29.7"

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	22.2 kg	49 lbs
Packed Weight	29.2 kg	64 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
Maximum continuous power	500W
Operating temperature	10° to 35° C (50° to 95° F)
Relative humidity	10% to 90% non-condensing
Heat output	1700 BTU/H

Server Hardware

CPU	Dual Intel® Xeon® Silver 2.1Ghz
GPU	NVIDIA Quadro P series
Memory	96GB DDR4 RAM
Audio	Optional ASIO USB sound card / Dante
Operating System	Windows Server 2016

Warranties & Support

Hardware

- 3 years warranty for servers from date of purchase, hardware can be replaced on-site following DELL EMC terms & conditions.

- 1 year warranty for other parts from date of purchase, shipping is not included, cross-shipping available when stocks allows.

Software

- 3 years software updates included.

- Additional update plans available.

Phone and email support

- Servers hardware - 3 years 24/7 next-day onsite support included by DELL-EMC (terms & conditions apply, contact us for more information).

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

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www.vyv.ca
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