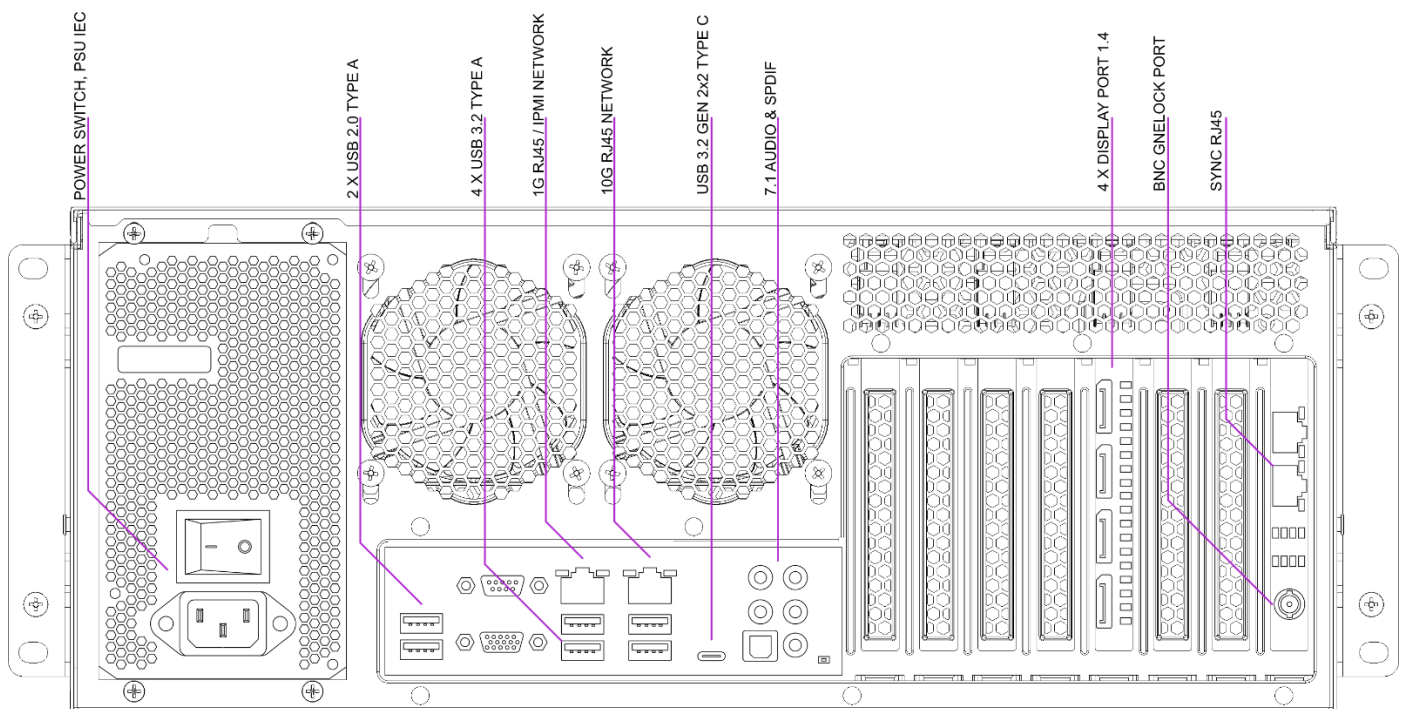# DIGITAL VIDEO SYSTEMS

SWARM

DATA SHEET

DVS 4U SWARM GEN2 MEDIA SERVER

The DVS 4U SWARM GEN2 Media Server is a high-performance server designed to handle the most demanding of media server applications. Whether that be extreme storage bandwidth for large pixel count uncompressed media playback or real-time 3D rendered content.

dvsgroup.com/Products/DVSSystems/SWARMSeries/

Rear panel port labels:
- POWER SWITCH, PSU IEC
- 2 X USB 2.0 TYPE A
- 4 X USB 3.2 TYPE A
- 1G RJ45 / IPMI NETWORK
- 10G RJ45 NETWORK
- USB 3.2 GEN 2x2 TYPE C
- 7.1 AUDIO & SPDIF
- 4 X DISPLAY PORT 1.4
- BNC GNELOCK PORT
- SYNC RJ45

Base Hardware Specification

Form Factor	4U 19" Rackmount
CPU	16 Core Xeon Processor
Memory	128GB DDR5 8 Channel ECC Memory
Graphics	NVIDIA RTX4000 ADA 20GB
Graphics Sync	BNC, 2 x RJ45 (Genlock and Framelock)
Storage	1TB NVMe Gen4 – OS 1TB NVMe Gen4 – Asset
Network	1 x 1GbE (+Management), 1 x 10GbE
Peripherals	Front - 2 x USB 3.1, 1 x USB Type C Rear – 4 x USB 3.2, 1 x USB Type C
Power Supply	1600W
Operating System	Windows 10 IoT Enterprise

Physical Details

	W	H	D
Packed Dimensions	570mm 22.4"	340mm 13.4"	620mm 24.4"
Unit Dimensions	440mm 17.3"	176mm 6.9"	468mm 18.4"
With Rack Handles	482mm 19"	176mm 6.9"	468mm 18.4"
Unit Weight	20Kg 45 lb		
Packed Unit Weight	22Kg 50 lb		

Warranty Detail

Standard Warranty	2 Years RTB
Additional Warranty Available	Yes, up to 5 years

Upgrade Options

SW-G2-28C	28 Core CPU Upgrade
SW-G2-36C	36 Core CPU Upgrade
SW-G2-56C	56 Core CPU Upgrade
SW-G2-M256G	256GB Memory Upgrade
SW-G2-RPSU	1 + 1 Redundant PSU Upgrade
SW-G2-2R40ADA	Upgrade to dual RTX4000 ADA GPU's
SW-G2-2R40ADA	Upgrade to RTX4500 ADA GPU
SW-G2-2R45ADA	Upgrade to dual RTX4500 ADA GPU's
SW-G2-R50ADA	Upgrade to RTX5000 ADA GPU
SW-G2-2R50ADA	Upgrade to dual RTX5000 ADA GPU's
SW-G2-R60ADA	Upgrade to RTX6000 ADA GPU
SW-G2-2R60ADA	Upgrade to dual RTX6000 ADA GPU's
SW-G2-GUI	Additional GUI graphics card
SW-G2-M2T	Increase asset storage capacity to 2TB
SW-G2-M4T	Increase asset storage capacity to 4TB
SW-G2-M1TG5	Change asset storage from Gen 4 to Gen 5 NVMe
SW-G2-M2TG5	Increase asset storage capacity to 2TB and from Gen 4 to Gen 5 NVMe
SW-G2-M4TG5	Increase asset storage capacity to 4TB and from Gen 4 to Gen 5 NVMe
SW-G2-R4T	Increase asset storage capacity to 4TB (2 x 2TB in RAID 0)
SW-G2-R6T	Increase asset storage capacity to 6TB (3 x 2TB in RAID 0)
SW-G2-R8T	Increase asset storage capacity to 8TB (4 x 2TB in RAID 0)
SW-G2-R12T	Increase asset storage capacity to 12TB (3 x 4TB in RAID 0)
SW-G2-R16T	Increase asset storage capacity to 16TB (4 x 4TB in RAID 0)
SW-G2-4C12GSDI	Eight Input / Output, four 12G SDI or eight 3G SDI Capture Card
SW-G2-1C4KHDMI-4C3GSDI	Four 3G SDI or one HDMI 2.0 Capture Card
SW-G2-2C4KHDMI	Two HDMI 2.0 Capture Card
SW-G2-4C12GSDIB	Four 12G SDI Capture Card (Blackmagic)
SW-G2-4C4KHDMIB	Four HDMI 2.0b Capture Card (Blackmagic)
SW-G2-2N25G-SFP+	Two 25g SFP+ network ports
SW-G2-2N40G-SFP+	Two 40g SFP+ network ports
SW-G2-1N200G-QSFP56	One 200GbE QSFP56 network ports (ConnectX-6 VPI)
SW-G2-2N200G-QSFP56	Two 200GbE QSFP56 network ports (ConnectX-6 VPI)
SW-G2-8X8BAL	8 Balanced Inputs and Outputs (Sonifex PC-AUR44)