ARXYS X APPLIANCES

VIDEOX V5

SW20

PERFORMANCE TOWER SECURITY WORKSTATION

VX5-SW20-200

KEY ATTRIBUTES

- Up to 225 Mbit/s decode bandwidth
- 2× Nvidia A1000 GPU, 8 GB GDDR6 with ECC
- AMD Ryzen 7 9700X, 8C/16T, 5.5Ghz
- 16GB DDR5 RAM
- 2× 10Gb Ethernet connectivity
- Up to 8 monitors supported
- Windows 11 IoT Enterprise (LTSC)

WARRANTY 3 YEAR WARRANTY

3-Year NBD Warranty

3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs). Optional 5-year upgrade must be purchased with the unit.

COMPLIANCE

- NDAA
- CE / FCC
- ENERGY STAR

Dual-GPU Client View workstation for the largest video walls

Powerhouse security workstations engineered for high performance and maximum bandwidth, delivering seamless support for large camera counts and multi-monitor setups — built to excel in the most demanding surveillance environments

CAMERA STREAM MATRIX

Ceiling: 225 Mbit/s · 8 monitors

RESOLUTION	CODEC	CAMERA STREAMS	BANDWIDTH
4MP (2592×1944)	H.264	48	225 Mbit/s
4MP (2592×1944)	H.265	64	147 Mbit/s
8MP (3840×2160)	H.264	20	202 Mbit/s
8MP (3840×2160)	H.265	48	225 Mbit/s

Counts are camera streams, not cameras — a multisensor or multi-head device presents several streams to the VMS. Counts are approximations within the limits of maximum supported bandwidth and always VMS dependant. Testing performed with 8 monitors at 15fps; connecting additional monitors may reduce total counts. A VMS may require monitors be load balanced across GPUs, or all monitors on one GPU.

HARDWARE

Form factor	Performance Tower, with enhanced cooling, EPEAT Bronze certified
CPU	AMD Ryzen 7 9700X · 8C/16T · 3.8Ghz/5.5Ghz · 32MB Cache
GPU	2× Nvidia A1000, 8 GB GDDR6 with ECC - 128-bit - 192 GB/sec, 1× encode / 2× decode, 2307 CUDA, 72 Tensor, 18 RT
RAM	16GB DDR5
OS	Microsoft Windows 11 IoT Enterprise (LTSC)
VMS / OS drive	Dedicated 480GB Enterprise 3D TLC Flash SSD NVMe, Dedicated for OS/VMS
Network	2 x 10Gb Ethernet (10 Gbps/5 Gbps/2.5 Gbps/1 Gbps/100 Mbps) RJ45 ports
Display	Primary Ports from GPUS: 8x Mini DP with 4x Mini DP to DP Adapters included AMD Radeon™ Graphics support: · 1 x USB Type-C® port with DisplayPort video output · 1 x HDMI port
Front I/O	2 x USB 3.2 Gen 2x2 Type-C, 2 x USB 3.0, HD Audio
Rear I/O	3 x USB 3.2 Gen 2 Type-A ports (red), 4 x USB 3.2 Gen 1 ports 4 x USB 2.0/1.1 ports

PERFORMANCE & ENVIRONMENTAL

Bandwidth	225 Mbit/s maximum for video decoding and display — VMS and configuration dependant
Monitors	Up to 8x Monitors (monitors not included). VMS and configuration dependant. More than 4 monitors may reduce total bandwidth
Power	Up to 850W Gold ATX Power Supply, 100-240Vac, 9-4.5A, 50-60Hz
Max draw	850W up to 80% efficient (Gold)
Dimensions	470 x 230 x 518.5mm · 18.5" x 9.6" x 20.3" inches
Weight	Gross Weight : 9.6 Kg, 24.5lb
Operating temp	10- 35 C
Humidity	20 – 90% relative humidity (non-condensing)
Safety	BSMI, CE, FCC(Class B), Energy Star
Trade	NDAA Compliant, no disclosures

Arxys · 1810 Gillespie Way
Suite 108, El Cajon, CA 92020
619.258.7800 · arxys.com

VMS licensing and support is not included and is provided by the security partner or customer.
For more information visit arxys.com/videox-appliances

AMD