



American Dynamics VideoEdge NVRs: Secure by Design, Smart by Default.

It is rare to find long-standing expertise in developing both hardware and software. Our portfolio of Network Video Recorder solutions is engineered from the ground up to deliver uncompromising protection and performance for mission-critical video environments. Developed by the same expert team behind our security management software, these recorders combine tightly integrated system design with rigorous cybersecurity principles—ensuring every layer, from firmware to interface, is built to safeguard your data and defend your network. Hardened architectures, secure configurations, and continuous security-first engineering make them a trusted foundation for high-stakes surveillance across industries worldwide.

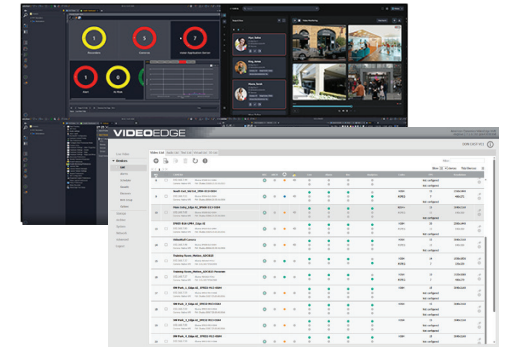
Whether deployed in large-scale enterprise campuses, critical infrastructure, transportation networks, or global commercial operations, American Dynamics NVRs provide the reliability, intelligence, and operational clarity needed to keep your world in constant, confident view.

VideoEdge Network Video Recorders

American Dynamics Network Video Recorders: Performance behind every pixel. In a world where every frame can matter, American Dynamics delivers network video recorders engineered for the highest level of security performance. With decades of combined hardware and software expertise—a rare advantage in today's market—we design our NVRs to provide exceptional reliability, clarity, and operational confidence.

Our enterprise-grade lineup spans a full range of recording solutions to meet the demands of any environment: from high-capacity 2U systems and robust 2U RAID-protected models, to integrated 2U PoE options that simplify deployment. For space-sensitive installations, our Micro NVRs deliver powerful performance in a compact footprint, while our advanced Workstations and broad selection of accessories ensure seamless system integration.

Every American Dynamics NVR is built for continuous operation, intuitive management, and uncompromising video quality—so you can trust the technology behind every pixel you protect.



VideoEdge IP Networks Video Recorders

American Dynamics IP Video Recorders deliver enterprise-grade performance across a versatile lineup designed for every scale of security deployment—including 2U Rackmount options, 2U High Capacity for long-term storage, 2U RAID for data-redundant protection, 2U PoE for simplified camera connectivity, and 2U JBOD for flexible expansion, as well as compact Desktop and ultra-small Micro models for space-sensitive installations. When paired with Illustra cameras, these recorders deliver an even greater advantage: no additional camera licenses are required, reducing system cost and simplifying deployment. Together, this portfolio provides scalable, dependable recording solutions built to deliver performance behind every pixel.



Built-in Cybersecurity Controls


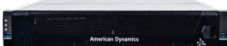

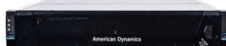
The American Dynamics video surveillance solution not only protects your facility from physical threats—it's designed to defend against cyber risks as well. With built-in cybersecurity controls embedded throughout the platform, the system helps guard against unauthorized access, simplify management of user accounts, and support least-privilege permission assignment to ensure users only have access to what they need. Network exposure is further minimized through precise control of ports, protocols, and interfaces, giving organizations stronger protection at every layer. Together, these safeguards provide a secure, reliable foundation for modern video operations.









Storage Solutions


American Dynamics offers a comprehensive range of storage solutions and system accessories designed to enhance and expand video operations of any scale. The Compact Workstation delivers powerful performance in a small footprint ideal for local monitoring or remote sites, while the Performance Workstation provides increased processing capability for advanced viewing, analytics, and multi-stream management. For larger or distributed deployments, the Application Server offers centralized control and system management, and the Transcoder enables efficient video streaming and bandwidth optimization across diverse network conditions. Extended Storage options provide scalable capacity for organizations needing longer retention or high-resolution recording. Together, these solutions create a flexible, robust ecosystem that supports seamless surveillance workflows from capture to storage to playback.



Upper Series	Rackmount	2U		
Series	Rackmount	2U High Capacity	2U RAID	2U JBOD
Image				
Part Number	ADVERxxxRxDL	ADVERxxxRxN2K	ADVERxxxR5N2J	ADVERxxN0N2J
Form Factor	Rackmount	Rackmount	Rackmount	Rackmount
Video Recording Throughput	1500Mbps	1000Mbps	600Mbps	400Mbps
Max # IP Streams	200	175	100	75
Embedded POE Support	N/A	N/A	N/A	N/A
Transcode Streams	4	14	14	14
RAM	32GB	32GB	16GB	16GB
Operating System	VideoEdge OS (powered by openSUSE Leap)	VideoEdge OS (powered by openSUSE Leap)	VideoEdge OS (powered by openSUSE Leap)	VideoEdge OS (powered by openSUSE Leap)
OS Drive	2 x 480GB RAID 1 SSD	2 x 256GB RAID 1 SSD	2 x 256GB RAID 1 SSD	1 x 256 SSD
Network Interface Ports	2 x 1GbE, 2 x 10/25GbE SFP	2 x 2.5 GbE, 2 x 10 GbE	2 x 2.5 GbE, 2 x 10 GbE	2 x 2.5 GbE, 2 x 10 GbE
Number of drives	12 x 3.5" Hot Plug HDDs	12 x 3.5" Hot Plug HDDs	12 x 3.5" Hot Plug HDDs	4 x 3.5" Hot Plug HDDs
Video Storage	No RAID: 2TB RAID 5: 24, 36, 48, 64, 96, 112TB RAUD 6: 144, 160, 200TB	No RAID: 00TB RAID 5: 96, 112TB RAUD 6: 128, 144, 160, 180, 200TB	No RAID: 00TB RAID 5: 12, 16, 24, 36, 48, 60, 80, 96, 112TB	No RAID: 00, 12, 24, 36, 48TB
USB Ports	Front: 1 x USB 2.0 Back: 1 x USB 3.0, 1 x USB 2.0	Front: 2 x USB 3.2 (Gen 1) Rear: 5 x USB 3.2 (Gen 2), 1 x USB 3.2 (Gen 2x2) (Type-C, 5V/3A)	Front: 2 x USB 3.2 (Gen 1) Rear: 5 x USB 3.2 (Gen 2), 1 x USB 3.2 (Gen 2x2) (Type-C, 5V/3A)	Front: 2 x USB 3.2 (Gen 1) Rear: 5 x USB 3.2 (Gen 2), 1 x USB 3.2 (Gen 2x2) (Type-C, 5V/3A)
Power Supply	Dual Hot Swappable 800W, 100-240VAC	Dual Hot Swappable 550W 100-240VAC	Dual Hot Swappable 550W 100-240VAC	Single PSU 550W 100-240VAC
CPU	Xeon	Core i7	Core i5	Core i5
Warranty	5-Year, NBD on-site support	5-Year, RMA Warranty, KYHD	5-Year, RMA Warranty, KYHD	5-Year, RMA Warranty, KYHD
Monitor connectons	(1) VGA	(1)HDMI 2.0b, (1)DP 1.4a, (1)VGA	(1)HDMI 2.0b, (1)DP 1.4a, (1)VGA	(1)HDMI 2.0b, (1)DP 1.4a, (1)VGA
Dimensions	18.97 x 3.41 x 26.99 in (48.2 x 8.7 x 68.6 cm)	19.1 x 3.5 x 23.0 in (48.5 x 9.0 x 58.4 cm)	19.1 x 3.5 x 23.0 in (48.5 x 9.0 x 58.4 cm)	19.1 x 3.5 x 23.0 in (48.5 x 9.0 x 58.4 cm)
Regulatory	Safety: UL Listed (US + Canada), (UL/IEC/ EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable sub- stance contents provided at time of sale.	Safety: UL Listed (US + Canada), (UL/IEC/ EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA	Safety: UL Listed (US + Canada), (UL/IEC/ EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA	Safety: UL Listed (US + Canada), (UL/IEC/ EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA

Upper Series	Desktop		Embedded POE
Series	Desktop	2U POE	Micro
Image			
Part Number	ADVEDxxN0N5H	ADVERxxN0NP16H	ADVEMxxN0NP8AH
Form Factor		Rackmount	Desktop
Video Recording Throughput	200Mbps	200Mbps	80Mbps
Max # IP Streams	50	50	8
Embedded POE Support	N/A	16 x 10/100Mbps (802.af) 8 x 10/100Mbps (802.at)	8 x 10/100Mbps (802.af) 4 x 10/100Mbps (802.at)
Transcode Streams	14	14	0
RAM	8GB	8GB	8GB
Operating System	VideoEdge OS (powered by openSUSE Leap)	VideoEdge OS (powered by openSUSE Leap)	VideoEdge OS (powered by openSUSE Leap)
OS Drive	1 x 256 SSD	1 x 256 SSD	1 x 256 SSD
Network Interface Ports	2 x 2.5 GbE	2 x 2.5 GbE	2 x 1.0 GbE
Number of drives	2 x 3.5" Internal HDDs	4 x 3.5" Hot Plug HDDs	1 x 3.5" Internal HDDs
Video Storage	No RAID: 00, 04, 08, 12, 16, 20, 24, 32, 40TB	No RAID: 00, 04, 08, 12, 24, 36, 48TB	No RAID: 0, 6, 12TB
USB Ports	Front: 1 x USB 3.2 (Gen 1), 3 x USB 2.0 Rear: 2 x USB 3.2 (Gen 2), 2 x USB 2.0	Front: 2 x USB 3.2 (Gen 1) Rear: 4 x USB 3.2 (Gen 2)	Front: N/A Rear: N/A
Power Supply	Single PSU 3000W 100-240VAC	Single PSU 550W 100-240VAC	External Power Adapter 180W 54V, 3.33A
CPU	Core i3	Core i3	Intel Atom
Warranty	5-Year, RMA Warranty, KYHD	5-Year, RMA Warranty, KYHD	3-Year, Standard Warranty
Monitor connectons	(1)HDMI 2.0b, (2)DP 1.4a, (1)VGA	(1)HDMI 2.0b, (2)DP 1.4a, (1)VGA	(1)HDMI, (1) DVI-I
Dimensions	13.0 x 4.0 x 12.5 in (33.0 x 10.2 x 31.8 cm)	19.1 x 3.5 x 23.0 in (48.5 x 9.0 x 58.4 cm)	14.18" x 1.74" x 7.68" (36.02 x 4.42 x 19.51 cm)
Regulatory	Safety: UL Listed (US + Canada), (UL/IEC/EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU REACH/WEEE restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA	Safety: UL Listed (US + Canada), (UL/IEC/EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale. Manufactured in compliance with TAA and NDAA	Safety: UL Listed (US + Canada), EN 62368-1, EN60950-1 Emissions: FCC part 15, ICES-003 EN55032; CISPR22 CLASS A Immunity: EN50130-4, EN 55035 Environmental: RoHS, REACH

Upper Series	Accessories		
Series	Transcoder	Application Server	Extended Storage
Image			
Part Number	TYCTRNSCDRA	ADVAS-STD	ADxxSR52008P
Form Factor	Desktop	1U Rackmount	2U Rackmount
Video Recording Throughput	N/A	N/A	N/A
Max # IP Streams	20 additional streams	N/A	N/A
Embedded POE Support	N/A	N/A	N/A
Transcode Streams	20	N/A	N/A
RAM	8GB	32GB	16GB
Operating System	Linux	Linux	Linux
OS Drive	2 x 250 SSD	2 x 600GB SSD, RAID 1	N/A
Network Interface Ports	2 x 1.0 GbE	2 x 1 GbE	ADFRSR52008P: 2x 32Gb FC SFP+, 2x 1GbE RJ45 (management) 2x 12Gb SAS (expansion) ADIRSR52008P: 8x 10Gb ISCSI RJ45, 2x 1GbE RJ45 (management), 2x 12Gb SAS (expansion) ADERSR5200: 2x 12Gb SAS (connects to ME5212)
Number of drives	N/A	4 x 3.5" Hot Plug HDDs	12 x 3.5" Hot Plug HDDs
Video Storage	N/A	N/A	RAID 5: 240TB
USB Ports	Front: N/A Back: 4 x USB 2.0, 4 x USB 3.0	Front: iDRAC Direct (Micro-AB USB), USB 2.0 Type-A Rear: USB 3.0 Type-A, USB 2.0 Type-A, iDRAC ethernet, Serial, VGA	
Power Supply	External Power Adapter 480W 12V, 10.0A	Dual Hot Swappable 600W, 100-240VAC	Dual Hot Swappable 580W, 100-240VAC
CPU	Core i3	Xeon	Xeon
Warranty	3-Year, Standard Warranty	5-year ProSupport with Next Business Day on-site service	5-Year, NBD on-site support
Monitor connectons	N/A	N/A	N/A
Dimensions	11.81 x 1.73 x 8.13 in (30.0 x 4.35 x 20.64 cm)	1.69" x 18.98" x 23.58" (42.80 x 482.00 x 598.94 mm)	48.30 cm x 8.79 cm x 61.87 cm (19.01 in x 3.46 in x 24.36 in)
Regulatory	UL/IEC/EN62368-1 (UL and CB certified) Class A emissions (FCC part 15; ICES-003; EN55032; CIS-PR22, EN61000-3-2, 3-3) Security immunity (EN50130-4) External PSU Efficiency Level VI, RoHS (EN50581), EU Reach restrictions compliant. Declarable substance contents provided at time of sale.	Safety: UL Listed (US + Canada), (UL/IEC/EN62368-1) EMC: Class A emissions (FCC part 15; ICES-003; EN55032; CISPR32, EN61000-3-2, 3-3) Security immunity (EN55035) Environmental: RoHS (EN50581), EU Reach restrictions compliant. Declarable sub- stance contents provided at time of sale.	Safety: UL Listed (US + Canada), EN 62368-1, EN60950-1 Emissions: FCC part 15, ICES-003 EN55032; CISPR22 CLASS A Immunity: EN50130-4, EN 55035 Environmental: RoHS, REACH

Upper Series	Workstations	
Series	Compact Workstation	Performance Workstation
Image		
Part Number	ADVEW00NOCA	ADVEW00N0PA
Form Factor	Desktop	Desktop
Video Recording Throughput	N/A	N/A
Max # IP Streams	N/A	N/A
Embedded POE Support	N/A	N/A
Transcode Streams	N/A	N/A
RAM	8GB	16GB
Operating System	Windows 11	Windows 11
OS Drive	256GB SSD	512GB SSD
Network Interface Ports	1 GbE	1 GbE
Number of drives	N/A	N/A
Video Storage	N/A	N/A
USB Ports	FRONT: (2) USB Type A and (1) USB Type C REAR: (4) USB Type A	Front: (1) USB Type A, (2) USB Type A 2.0 (1) USB Type C Rear: (3) USB Type A, (2) USB Type A 2.0, (1) USB Type C
Power Supply	External Power Adapter 180W	360W Internal Power Supply (PSU)
CPU	Core Ultra 5	Intel Core Ultra 7 GPU: NVIDIA A1000, 8GB
Warranty	5-Year, NBD on-site support	5-Year, NBD on-site support
Monitor connectons	2 x DP	3 x DP
Dimensions	7.76" x 1.57" x 7.20" (197mm x 40mm x 183mm)	11.95" x 3.74" x 11.53" (303.53 x 95.00 x 292.80mm)
Regulatory	EN55032; EN61000-3-2; EN61000-3-3; FCC CFR 47 Part 15, ISED ICES-003, EN 61000-3-2 & -3-3 EN55035 UL/IEC/EN62368-1 RoHS, Reach, WEEE	EN55032; EN61000-3-2; EN61000-3-3; FCC CFR 47 Part 15, ISED ICES-003, EN 61000-3-2 & -3-3 EN55035 ¹ UL/IEC/EN62368-1 RoHS, Reach, WEEE, Waste Batteries

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