

Hardware configurations are subject to change without notice.	G-Series Micro	M-Series	LC-Series			ELP-Series	A-Series				Z-Series			
	IP	PoE	IP	Hybrid	PoE	IP and Hybrid		IP and Hybrid						
Analog (for Hybrid models)														
Models/Form Factors	IP	M-PoE	LC-IPS	LC-Hybrid	LC-PoE	ELP	ELPR	Desktop	2U	2U Front Accessible	4U	2U	4U	
Analog Inputs	N/A	N/A	N/A	8/16	N/A	8/16		8/16/32	16 looping/ 32 looping		16 looping/32 looping /48/64	16 looping/32	16 looping/32 looping /48/64	
Analog Frame Rate	N/A		240/480 (NTSC) 200/400 (PAL)	Optional with USB I/O Module		240/480 (NTSC) 200/400 (PAL)	240/480/960 (NTSC) 200/400/800 (PAL)	480/960 (NTSC) 400/800 (PAL)		480/960/1440/1920 (NTSC) 400/800/1200/1600 (PAL)		30/25 fps per input		
Alarm Inputs/Outputs	N/A		N/A			1	4 inputs TTL 2 outputs TTL & 1 relay	8 inputs TTL 3 outputs TTL & 1 relay	16 inputs TTL 15 outputs TTL & 1 relay		16 inputs TTL 15 outputs TTL, 1 relay			
Analog Outputs	N/A		N/A	1		1	1/2/2	2/2		2/2/4/4		2	2/2/4/4	
Audio Inputs	1		N/A	8/16		4	8/16/32		16				16	
IP														
Max IP Cameras	8	4 or 8 PoE	16		8 or 16 PoE	24		64				128		
Included IP Camera Licenses	2 Professional	4 or 8 (Start)	4 (Start)		8 or 16 (Start)	4		NVR = 4 IP licenses; Hybrid = 8 IP licenses (only 4 available with 8-channel desktop)				8		
Alarm Inputs/Outputs	None	4 or 8 inputs TTL 1 output (relay)	Optional with USB I/O Module			Optional with USB I/O Module		Optional with USB I/O Module				IP Server: 4 inputs TTL 1 output TTL, 1 relay Hybrid: 16 inputs TTL 15 outputs TTL, 1 relay	IP Server: 8 inputs TTL 3 output TTL, 1 relay Hybrid: 16 inputs TTL 15 outputs TTL, 1 relay	
Server & General														
Pre-Loaded VMS Software	Professional/Enterprise (optional)	Start / Professional, Enterprise (Optional)	Start / Professional, Enterprise (optional)		Professional / Enterprise (optional)	Professional / Enterprise (optional)				Professional/Enterprise (optional)				
Typical Video Storage Rate (Mbps)	60	40	100	150	200	250 (Windows) 300 (Linux)	300 (Windows) 450 (Linux)	IP Server: 350 (Windows) 550 (Linux) Hybrid: 300 (Windows) 450 (Linux)	350 (Windows) 550 (Linux)		400 (Windows) 800 (Linux)	800 (Windows) 1200 (Linux)		
Local Client Display Rate (FPS)	Client use recommended only for configuration purposes	120 @ HD resolution	150 @ HD resolution 600 @ analog resolution	300 @ HD resolution	270 @ HD resolution	700 @ HD resolution (Windows), 900 @ HD resolution (Linux) 1800 @ analog resolution				Windows: 700 @ HD resolution/1800 @ analog resolution Linux: 900 @ HD resolution/1800 @ analog resolution				
Max Storage	1 TB	4 TB 4-ports 6 TB 8-ports	12 TB		6 TB (ELP) 12 TB (ELPR)	20 TB	30 TB	80 TB (RAID 5 optional)				96 TB RAID 5	240 TB RAID 6	
Removable HD	No	N/A	N/A		No Yes	No	No	Yes		Yes		Yes		
RAID Configuration	N/A	N/A	N/A		N/A	N/A		RAID 5 optional				5	6	
Operating System	Ubuntu Linux 18.04	Debian 8	Ubuntu Linux 18.04		Ubuntu Linux 18.04	Windows 10 64-bit or Ubuntu Linux 18.04, Windows Server 2016 (Optional)				Windows 10 64-bit or Ubuntu Linux 18.04, Windows Server 2016 (Optional)				
Operating System Location	HDD	Flash drive	HD		120 GB SSD	120 GB SSD								
Monitor Output	HDMI, Mini DP	HDMI, VGA (duplicate output)	1 DVI-D + 1 HDMI + 1 DisplayPort + VGA (max 2 simultaneous)		1 DVI-I + 1 HDMI +1 VGA + 1 DisplayPort (max 2 simultaneous monitors)	Most systems: 1 DVI-D + 1 HDMI + 1 DisplayPort + 1 VGA For 4U Hybrid systems and systems with certain upgrade options: 1 DVI-D + 1 HDMI + 1 VGA				1 DVI-D + 1 HDMI +1 VGA (max 2 simultaneous monitors)				
NIC	2 x 1 Gbps	2x1 Gbps	2 x 1 Gbps (IP) 1 x 1 Gbps (analog)	2 x 1 Gbps	2 x 1 Gbps	2, 4 (optional on all IP servers and 4U Hybrids)				2x1 Gbps (standard) / 2x10 Gbps SPF+ (optional)				
Redundant Power Supply	None	No	No		No	No	No	Optional				Yes (Hot Swap)		
Serial	1	N/A	N/A		RS-485 (Hybrid systems)	RS-485 (Hybrid systems)						RS-485		
Audio Outputs (Server)	1	1	1		1	1						1		
Kantech-Onboard Integration	N/A	N/A	N/A		N/A	Yes, Windows models only						Yes, Windows models only		

All recorders include a 3-year warranty and 3 years of software updates

Enterprise Management

EM-Series	
Max Video Recorders	2000
Pre-Loaded Software	Enterprise Manager
Max Storage	4 TB
Removable HD	Yes
RAID Configuration	RAID 6
Operating System	Windows Server 2016, Ubuntu Linux 18.04
Operating System Location	128 GB SSD
Monitor Output	1 DVI-D + 1 HDMI + 1 VGA (max 2 simultaneous monitors)
NIC	2 x 1Gbps
Redundant Power Supply	Yes



Networked Video Storage

	S-Series	
	Enterprise 2U	Enterprise 4U
Form Factor	Enterprise 2U	Enterprise 4U
Archiving - Max Video Recorders	32	64
Archiving - Max Data Rate (Mbps)	1500 Mbps with dual NIC bonding / 2000 Mbps with optional tri NIC bonding	
Archiving - Designed for Enterprise Manager	✓	✓
Ext. Storage - Max Video Recorders	32	64
Ext. Storage - Max Data Rate (Mbps)	350	500
Ext. Storage - Designed for Enterprise Manager	✓	✓
Ext. Storage - Minimum Video Recorder OS	Ubuntu Linux 18.04	
Pre-loaded VMS Software	exacqVision Storage Enterprise	
Enterprise Manager Monitoring Compatible	✓	✓
Storage Maximum (Internal)	96 TB RAID 5	240 TB RAID 6
NIC	3x1 Gbps (2 for storage, 1 for management) or 4x1 Gbps (optional)	
Operating System	Ubuntu Linux 16.04	
Redundant Power Supply	Dual Hot Swap	