



September 9, 2020

Collin County Purchasing Department
2300 Bloomdale Rd., Ste 3160
McKinney, TX 75071

RE: RFP 2019-131, Surveillance Camera Systems - Substitutions

Dear Mr. Griffin:

Knight Security Systems is moving forward with the purchase of materials and have found that three parts are no longer current and/or unavailable. We have contacted the manufactures to get the recommended replacements to meet or exceed original part specifications. I have attached the specification sheets of the original parts and the substitution parts. These substitutions/upgrades will be at no additional charge to Collin County. I have not included the switches at the request of the IT department.

Please see the attached documents for the complete information on each of the listed items below.

Quantity	Original Part #	Proposed New Part #	Cost Difference
19ea	P3225-LV-MKII	P3245-LV	\$0.00
2ea	BCD104-MVB-P-110-12T-4	BCD104-PVS-210-12T-4	\$0.00
1ea	BCD218-EVS-110-56T-8	BCD218-EVS-216-56T-8	\$0.00

Thank you for your consideration in this matter. Knight Security Systems is prepared to meet our commitments for installation time and quality. Please know that the delay of ordering equipment will impact the overall completion date of the projects as discussed. If you have additional questions, please contact me at 469-834-3012.

Sincerely,

Richard Gibbons
Service Sales Representative
Knight Security Systems

AXIS P3225-LV Mk II Network Camera

Streamlined HDTV 1080p fixed dome for any light conditions

AXIS P3225-LV Mk II is a streamlined fixed dome that provides HDTV 1080p video. It features a varifocal lens and remote zoom and focus, which eliminates the need for hands-on fine tuning. Equipped with WDR – Forensic Capture to handle scenes with strong variations in light, Lightfinder technology for exceptional light sensitivity, as well as built-in IR illumination with OptimizedIR, this versatile camera provides outstanding video quality in any light conditions. It supports Axis Zipstream technology that significantly reduces bandwidth and storage requirements.

- > [HDTV 1080p video quality](#)
- > [Remote zoom and focus](#)
- > [Lightfinder and WDR – Forensic Capture](#)
- > [OptimizedIR illumination](#)
- > [Axis Zipstream](#)



AXIS P3225-LV Mk II Network Camera

Camera		Notification: email, HTTP, HTTPS, TCP and SNMP trap Overlay text
Image sensor	Progressive scan RGB CMOS 1/3"	
Lens	Varifocal, 3.0–10.5 mm, F1.4 Horizontal field of view: 92°–34° Vertical field of view: 50°–20° Remote focus and zoom, P-Iris control, IR corrected	Data streaming Event data
Day and night	Automatically removable infrared-cut filter	Built-in installation aids Remote zoom, remote focus, pixel counter, optimized IR with adjustable IR illumination intensity
Minimum illumination	HDTV 1080p 25/30 fps with WDR – forensic capture and Lightfinder: Color: 0.16 lux at 50 IRE, F1.4 B/W: 0.03 lux at 50 IRE, F1.4, 0 lux with IR illumination on HDTV 1080p 50/60 fps: Color: 0.32 lux at 50 IRE, F1.4 B/W: 0.06 lux at 50 IRE, F1.4, 0 lux with IR illumination on	General
Shutter time	1/66500 s to 1 s	Casing IP52-rated, IK08 impact-resistant, polycarbonate casing with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions of skin cover or casing and impact on warranty, contact your Axis partner.
Camera angle adjustment	Pan ±180°, tilt -35 to +75°, rotation ±95°	Mounting Mounting bracket with holes for junction boxes (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount ¼"-20 UNC tripod screw thread
Video		Sustainability PVC free
Video compression	H.264 Baseline, Main and High Profile (MPEG-4 Part 10/AVC) Motion JPEG	Memory 512 MB RAM, 256 MB Flash
Resolution	1920x1080 to 160x90	Power Power over Ethernet IEEE 802.3af/802.3at Type 1 Class 3, max 10.2 W, typical 6.1 W
Frame rate	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz	Connectors Shielded RJ45 10BASE-T/100BASE-TX PoE
Video streaming	Multiple, individually configurable streams in H.264 and Motion JPEG Axis Zipstream technology in H.264 Controllable frame rate and bandwidth VBR/ABR/MBR H.264	IR illumination Optimized IR with power-efficient, long-life 850 nm IR LEDs with adjustable illumination intensity. Range of reach 30 m (100 ft) or more depending on scene
Multi-view streaming	2 individually cropped out view areas	Storage Support for microSD/microSDHC/microSDXC card Support for SD card encryption Support for recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Pan/Tilt/Zoom	Digital PTZ, preset positions	Operating conditions 0 °C to 50 °C (32 °F to 122 °F) Humidity 10 to 85% RH (non-condensing)
Image settings	Compression, Color, Brightness, Sharpness, Contrast, Local contrast, White balance, Exposure control (including automatic gain control), Exposure zones, Fine tuning of behavior at different light levels, WDR – forensic capture: Up to 120 dB depending on scene, Text and image overlay, Mirroring of images, Privacy masks Rotation: 0°, 90°, 180°, 270°, including Corridor Format	Storage conditions -40 °C to 65 °C (-40 °F to 149 °F) Humidity 5-95% RH (non-condensing)
Network		Approvals EMC EN 55022 Class B, EN 61000-6-1, EN 61000-6-2, EN 55024, EN 50121-4, IEC 62236-4, FCC Part 15 Subpart B Class A and B, ICES-003 Class B, VCCI Class B, RCM AS/NZS CISPR 22 Class B, KCC KN22 Class B, KN24 Safety IEC/EN/UL 60950-1, IEC/EN 62471, IS 13252 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-14 IEC 60068-2-6 (vibration), IEC 60068-2-27 (shock), IEC 60068-2-78, IEC/EN 60529 IP52, IEC/EN 62262 IK08 Network NIST SP500-267
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1x (EAP-TLS) ^a network access control, Digest authentication, User access log, Centralized Certificate Management, brute force delay protection, signed firmware	Dimensions Height: 101 mm (4 in) ø 149 mm (5 7/8 in)
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMP v1/v2c/v3(MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, SFTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, LLDP, MQTT	Weight 550 g (1.2 lb)
System integration		Included accessories Installation Guide, Windows decoder 1-user license, mounting bracket, cable gasket, Resistorx® T20 L-key, drill template, connector guard
Application Programming Interface	Open API for software integration, including VAPIX® and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF® Profile G, ONVIF® Profile S, and ONVIF® Profile T, specification at onvif.org	Optional accessories AXIS ACI Conduit Bracket B, AXIS ACI Conduit Adapters, AXIS T94K01L Recessed Mount Kit, AXIS T94K01D Pendant Kit, AXIS Skin Cover C, Black, AXIS Mounts, Smoked dome For more accessories, see axis.com
Analytics	Included AXIS Video Motion Detection, active tampering alarm Supported AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Perimeter Defender AXIS Digital Autotracking, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detector, AXIS Occupancy Estimator, AXIS Random Inspection, AXIS Queue Monitor Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap	Video management software AXIS Companion, AXIS Camera Station, Video management software from Axis' Application Development Partners available on axis.com/vms
Event triggers	Analytics, edge storage events, virtual inputs through API	Languages English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share and email Pre- and post-alarm video or image buffering for recording or upload	Warranty Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

a. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (ey@cryptsoft.com).

Environmental responsibility:

axis.com/environmental-responsibility

AXIS P3225-LV Mk II Network Camera

Streamlined HDTV 1080p fixed dome for any light conditions

Discontinued product. Supported until 2025-01-31.
After this date, please see the support documentation.
As long as the product is within the warranty period you will be supported.

Recommended replacement: [AXIS P3245-LV](#)
Note: Check the recommended replacement product data sheet for full specification

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- Overview
- Software & Accessories
- Support & Documentation

- Remote zoom and focus
- WDR – Forensic Capture
- Axis' Lightfinder technology
- OptimizedIR illumination
- Axis' Zipstream technology



This product has:
3-year warranty



Product selector
Find and compare Axis products, and

Image usability

AXIS P3245-LV Network Camera

Streamlined HDTV 1080p fixed dome for any light conditions

AXIS P3245-LV offers excellent image quality in HDTV 1080p. This streamlined, IK10-rated camera features Forensic WDR and OptimizedIR illumination to deliver sharp video even in challenging light or complete darkness. It includes Lightfinder 2.0 for video with more life-like colors and sharp video of moving objects. And, the varifocal lens with remote zoom and focus capabilities eliminates the need for hands-on fine tuning. With two-way audio you can hear what's happening in the scene and benefit from audio analytics. Plus, it offers Zipstream with support for H.264/ H.265 and enhanced security features.

- > [HDTV 1080p video quality](#)
- > [Lightfinder 2.0, Forensic WDR and OptimizedIR](#)
- > [Zipstream supporting H.264 and H.265](#)
- > [Signed firmware and secure boot](#)
- > [Two-way audio and I/O connectivity](#)



AXIS P3245–LV Network Camera

Camera		Event actions	Record video: SD card and network share Upload of images or video clips: FTP, SFTP, HTTP, HTTPS, network share, and email Pre- and post-alarm video or image buffering for recording or upload Notification: email, HTTP, HTTPS, TCP, and SNMP trap Overlay text, external output activation, play audio clip, make call
Image sensor	1/2.8" progressive scan RGB CMOS	Data streaming	Event data
Lens	Varifocal, 3.4–8.9 mm, F1.8 Horizontal field of view: 100°–36° Vertical field of view: 53°–20° Remote zoom and focus, P-Iris control, IR corrected	Built-in installation aids	Pixel counter, remote focus, remote zoom OptimizedIR with adjustable IR illumination intensity
Day and night	Automatically removable infrared-cut filter	Analytics	
Minimum illumination	With Forensic WDR and Lightfinder 2.0: Color: 0.1 lux at 50 IRE, F1.8 B/W: 0.02 lux at 50 IRE, F1.8; 0 lux with IR illumination on	Compute capabilities	Machine learning processing unit (MLPU)
Shutter time	1/66500 s to 2 s	Applications	Included AXIS Video Motion Detection, active tampering alarm Audio detection Supported AXIS Live Privacy Shield, AXIS Perimeter Defender, AXIS Motion Guard, AXIS Fence Guard, AXIS Loitering Guard, AXIS Occupancy Estimator, AXIS People Counter, AXIS Tailgating Detector, AXIS Direction Detector, AXIS Random Selector Support for AXIS Camera Application Platform enabling installation of third-party applications, see axis.com/acap
Camera angle adjustment	Pan ±180°, tilt ±75°, rotation ±175°	General	
Video		Casing	IP52-rated, IK10 impact-resistant polycarbonate casing with hard-coated dome and dehumidifying membrane Encapsulated electronics and captive screws Color: white NCS S 1002-B For repainting instructions and impact on warranty, contact your Axis partner.
Video compression	H.264 (MPEG-4 Part 10/AVC) Baseline, Main and High Profiles H.265 (MPEG-H Part 2/HEVC) Main Profile Motion JPEG	Mounting	Mounting bracket with holes for junction box (double-gang, single-gang, and 4" octagon) and for wall or ceiling mount ¼"-20 UNC tripod screw thread
Resolution	1920x1080 to 160x90	Sustainability	PVC free
Frame rate	With WDR: 25/30 fps with power line frequency 50/60 Hz Without WDR: 50/60 fps with power line frequency 50/60 Hz	Memory	1024 MB RAM, 512 MB Flash
Video streaming	Multiple, individually configurable streams in H.264, H.265, and Motion JPEG Axis Zipstream technology for H.264 and H.265 Controllable frame rate and bandwidth VBR/ABR/MBR H.264/H.265	Power	Power over Ethernet (PoE) IEEE 802.3af/802.3at Type 1 Class 3 Typical 6.4 W, max 10.7 W
Multi-view streaming	Up to 2 individually cropped out view areas in full frame rate	Connectors	RJ45 10BASE-T/100BASE-TX PoE I/O: 4-pin 2.5 mm (0.098 in) terminal block for 1 supervised digital input and 1 digital output (12 V DC output, max. load 25 mA) Audio: 4-pin 2.5 mm (0.098 in) terminal block for audio in and out Audio and I/O connectivity via AXIS T61 Audio and I/O Interfaces with portcast technology
Image settings	Compression, color saturation, brightness, sharpness, contrast, local contrast, white balance, day/night threshold, tone mapping, exposure control (including automatic gain control), exposure zones, defogging, Forensic WDR: up to 120 dB depending on scene, barrel distortion correction, fine tuning of low-light behavior, dynamic text and image overlay, privacy masks, mirroring, rotation: 0°, 90°, 180°, 270°, including Corridor Format	IR illumination	OptimizedIR with power-efficient, long-life 850 nm IR LEDs Range of reach 40 m (130 ft) or more depending on the scene
Pan/Tilt/Zoom	Digital PTZ, preset positions	Storage	Support for microSD/microSDHC/microSDXC card and encryption Recording to network-attached storage (NAS) For SD card and NAS recommendations see axis.com
Audio		Operating conditions	0 °C to 50 °C (32 °F to 122 °F) Humidity 10–85% RH (non-condensing)
Audio streaming	Full duplex	Storage conditions	–40 °C to 65 °C (–40 °F to 149 °F) Humidity 5–95% RH (non-condensing)
Audio compression	48bit LPCM, AAC-LC 8/16/32/44.1/48 kHz, G.711 PCM 8 kHz, G.726 ADPCM 8 kHz, Opus 8/16/48 kHz Configurable bit rate	Approvals	EMC EN 55032 Class A, EN 50121-4, IEC 62236-4, EN 55024, EN 61000-6-1, EN 61000-6-2, FCC Part 15 Subpart B Class A, ICES-3(A)/NMB-3(A), VCCI Class A, RCM AS/NZS CISPR 32 Class A, KC KN32 Class A, KC KN35 Safety IEC/EN/UL 62368-1, IS 13252, IEC/EN 62471 Environment IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-6, IEC 60068-2-14, IEC 60068-2-27, IEC 60068-2-30, IEC 60068-2-78 IEC/EN 60529 IP52, IEC/EN 62262 IK10 Network NIST SP500-267
Audio input/output	External microphone input, line input, digital input with ring power, line output, automatic gain control Two-way audio connectivity via optional AXIS T61 Audio and I/O Interfaces with portcast technology	Dimensions	Height: 103 mm (4.06 in)
Network			
Security	Password protection, IP address filtering, HTTPS ^a encryption, IEEE 802.1X (EAP-TLS) ^a network access control, digest authentication, user access log, centralized certificate management, brute force delay protection, signed firmware, secure boot		
Supported protocols	IPv4, IPv6 USGv6, HTTP, HTTPS ^a , SSL/TLS ^a , QoS Layer 3 DiffServ, FTP, SFTP, CIFS/SMB, SMTP, Bonjour, UPnP [®] , SNMP v1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, SRTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS, SSH, SIP, LLDP, MQTT		
System integration			
Application Programming Interface	Open API for software integration, including VAPIX [®] and AXIS Camera Application Platform; specifications at axis.com AXIS Video Hosting System (AVHS) with One-Click Connection ONVIF [®] Profile G, ONVIF [®] Profile S, and ONVIF [®] Profile T, specification at onvif.org Support for Session Initiation Protocol (SIP) for integration with Voice over IP (VoIP) systems, peer to peer or integrated with SIP/PBX		
Event conditions	Analytics, external input, supervision of input, edge storage events, virtual inputs through API		

	ø 149 mm (5.87 in)
Weight	650 g (1.4 lb)
Included accessories	Installation guide, Windows® decoder 1-user license, drill template, Resistorx® T20 L-key, terminal block connectors, cable gaskets, connector guard
Optional accessories	AXIS TP3201 Recessed Mount, optionally with AXIS Device Microphone B, AXIS T94K01D Pendant Kit, AXIS Dome Intrusion Switch C, AXIS T6101 Audio and I/O Interface, AXIS T6112 Audio and I/O Interface, AXIS TP3901 Microphone Kit, AXIS ACI Conduit Adapters, Axis mounts and microphones, smoked dome, black casing For more accessories, see axis.com

Video management software	AXIS Companion, AXIS Camera Station, video management software from Axis Application Development Partners available at axis.com/vms
Languages	English, German, French, Spanish, Italian, Russian, Simplified Chinese, Japanese, Korean, Portuguese, Traditional Chinese
Warranty	Axis 3-year warranty and AXIS Extended Warranty option, see axis.com/warranty

- a. *This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (openssl.org), and cryptographic software written by Eric Young (eay@cryptsoft.com).*

Environmental responsibility:

axis.com/environmental-responsibility

Powerful and Versatile Professional 1U Rackmount Server

Manufactured for Professional Milestone XProtect applications and fully customizable for individual project requirements, the BCD104-MVR-P Professional Milestone appliance provides unrivaled value and performance.

With 24/7 duty cycle SATA drives providing up to 56TB of raw storage, while the latest Intel® Xeon® Scalable Silver processor paired with up to 1TB of LRDIMM DDR4 RAM guarantees the throughput needed for any project.

Redundant, hot swappable 550W power supplies and RAID 5/6 storage options provide high system availability. A pair of M.2 solid state drives for the operating system and applications provide reliability and fast application load times for added performance, while a five-year, on-site, next business day, Keep Your Hard Drive warranty guarantees peace of mind.

KEY FEATURES

- Up to 56TB of Raw Storage
- Intel® Xeon® Scalable Silver Processors
- Operating System: Windows Server 2016
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring



SSD & 24/7 Duty Cycle SATA Drives



Redundant Power



RAID Options 0, 1, 5, 6, 10



**5-Year, On-site, NBD,
Keep Your Hard Drive Warranty**



Back - Single Processor Models

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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CERTIFIED | PURPOSE BUILT | GUARANTEED

SYSTEM	
Processor(s)	Up to (2) Intel® Xeon® Silver 4110 Scalable Processors (8 Cores, 16 Threads, 3.00GHz)
Processor Passmark	Intel® Xeon® Silver 4110: 12,020 Dual Intel® Xeon® Silver 4110: 17,084
Maximum Storage	Up to 48TB
Operating System	Windows Server 2016
Memory	Single Processor: 16GB (2x 8GB) Dual Processors: 32GB (4x 8GB) Maximum Configuration: Up to 1TB LRDIMM (16x DDR4 DIMMs Slots)
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	(1) PERC H730P (2GB NV Cache, Supports RAID 0, 1, 5, 6, 10)
Networking	Single Processor Models: (2) 1GbE RJ45 Ports Dual Processor Models: (2) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
Expansion Slots	Single Processor Models: (0) PCIe slots (in default configuration) Dual Processor Models: (1) PCIe x16 low profile slots (in default configuration)
USB(s)	Rear (2) USB 3.0, Front (1) USB 2.0, Internal (1) USB 3.0
Video Outputs	(1) VGA
Remote Management	iDRAC Basic
Manufacturer	BCDVideo
Warranty	5-Year, On-site, NBD, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	1U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(4) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
Hard Drives Supported	PCIe NVMe & SATA
Power Supply(s)	(2) 550W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	440W
Operating Temperature	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]
Operating Humidity	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.4mm) x 28.67" (728.24mm) x 1.68" (42.8mm)
Max. Weight	38.9 lbs. (17.64 kg)



Back - Dual Processor Version

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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Powerful and Versatile Professional 1U Rackmount Server

Manufactured for Professional IP video surveillance applications and fully customizable for individual project requirements, the BCD104-PVS Professional video server provides unrivaled value and performance.

With 24/7 duty cycle SATA drives providing up to 56TB of raw storage, while the latest Intel® Xeon® Scalable Silver processor paired with up to 1TB of LRDIMM DDR4 RAM guarantees the throughput needed for any project.

Redundant, hot swappable 550W power supplies and RAID 5/6 storage options provide high system availability. A pair of M.2 solid state drives for the operating system and applications provide reliability and fast application load times for added performance, while a five-year, on-site, next business day, Keep Your Hard Drive warranty guarantees peace of mind.

KEY FEATURES

- Up to 56TB of Raw Storage
- Intel® Xeon® Scalable Silver Processors
- Operating System: Windows Server 2019
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring



SSD & 24/7 Duty Cycle SATA Drives



Redundant Power



RAID Options 0, 1, 5, 6, 10



**5-Year, On-site, NBD,
Keep Your Hard Drive Warranty**



Back - Single Processor Models

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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CERTIFIED | PURPOSE BUILT | GUARANTEED

SYSTEM	
Processor(s)	Up to (2) Intel® Xeon® Silver 4210 Scalable Processors (8 Cores, 16 Threads, 3.00GHz)
Processor Passmark	Intel® Xeon® Silver 4210: 12,020 Dual Intel® Xeon® Silver 4210: 17,084
Maximum Storage	Up to 48TB
Operating System	Windows Server 2019
Memory	Single Processor: 16GB (2x 8GB) Dual Processors: 32GB (4x 8GB) Maximum Configuration: Up to 1TB LRDIMM (16x DDR4 DIMMs Slots)
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	(1) PERC H730P (2GB NV Cache, Supports RAID 0, 1, 5, 6, 10)
Networking	Single Processor Models: (2) 1GbE RJ45 Ports Dual Processor Models: (2) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
Expansion Slots	Single Processor Models: (0) PCIe slots (in default configuration) Dual Processor Models: (1) PCIe x16 low profile slots (in default configuration)
USB(s)	Rear (2) USB 3.0, Front (1) USB 2.0, Internal (1) USB 3.0
Video Outputs	(1) VGA
Remote Management	iDRAC Basic
Manufacturer	BCDVideo
Warranty	5-Year, On-site, NBD, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	1U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(4) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
Hard Drives Supported	PCIe NVMe & SATA
Power Supply(s)	(2) 550W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	440W
Operating Temperature	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]
Operating Humidity	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.4mm) x 28.67" (728.24mm) x 1.68" (42.8mm)
Max. Weight	38.9 lbs. (17.64 kg)



Back - Dual Processor Version

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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Enterprise, Scalable Performance for Video Processing and Archiving

Provide scalable storage performance and video data processing with the BCD218-EVS server. This 2U, 2-socket platform brings you scalability and performance to adapt to a variety of the most demanding and process intensive video surveillance applications.

Up to 216TB of raw storage allows for long term video storage and archiving, while up to (2) Intel® Xeon® Silver 4116 Scalable processors provide unrivaled throughput and computing potential. (24) DDR4 DIMM slots allow for maximum memory bandwidth utilization with support for six-channel memory architecture.

Dual M.2 SSDs for the operating system and application accelerated load times. System reliability and high availability is guaranteed with redundant 1100W power supplies and RAID 5/6 storage options, while a five-year, on-site, next business day, Keep Your Hard Drive warranty ensures peace of mind.

KEY FEATURES

- Up to 216TB of Raw Storage
- Intel® Xeon® Silver 4116 Scalable Processors
- Operating System: Windows Server 2016
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring



SSD, SAS & SATA Drives



Redundant Power



RAID Options: 0, 1, 5, 6, 10



**5-Year, On-site, NBD,
Keep Your Hard Drive Warranty**



Back - Dual Processor Models

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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CERTIFIED | PURPOSE BUILT | GUARANTEED

SYSTEM	
Processor(s)	Up to (2) Intel® Xeon® Silver 4116 Scalable Processors (12 Cores, 24 Threads, 3.00GHz)
Processor Passmark	Intel® Xeon® Silver 4116: 15,320 Dual Intel® Xeon® Silver 4116: 20,362
Maximum Storage	Up to 216TB
Operating System	Windows Server 2016
Memory	Single Processor: 16GB (2x 8GB) Dual Processors: 32GB (4x 8GB) Maximum Configuration: Up to 1.5TB LRDIMM, 192GB NVDIMM (24x DDR4 DIMM Slots)
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	PERC H740P (8GB NV Cache, Supports RAID 0, 1, 5, 6, 10)
Networking	Single Processor Models: (4) 1GbE RJ45 Ports Dual Processor Models: (4) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
Expansion Slots	Single Processor: (2) Full-height PCIe x8, (1) Low-profile x8 slots (In default configuration) Dual Processors: (2) Full-height PCIe x8 slots (In default configuration)
USB(s)	Rear (2) USB 3.0, Front (2) USB 2.0, Internal (1) USB 3.0
Video Outputs	(1) VGA
Remote Management	iDRAC Express
Manufacturer	BCDVideo
Warranty	5-Year, On-site, NBD, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	2U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(18) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
Hard Drives Supported	PCIe NVMe, SAS & SATA
Power Supply(s)	(2) 1100W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	860W
Operating Temperature	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]
Operating Humidity	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.6mm) x 29.7" (755mm) x 3.4" (86.8mm)
Max. Weight	73 lbs. (33.1kg)



Back - Single Processor Models

FOR MORE INFORMATION: bcdvideo.com | sales@bcdvideo.com | +1.847.205.1922 **TECH SUPPORT:** support@bcdvideo.com | +1.844.462.2384

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Enterprise, Scalable Performance for Video Processing and Archiving

Provide scalable storage performance and video data processing with the BCD218-EVS server. This 2U, 2-socket platform brings you scalability and performance to adapt to a variety of the most demanding and process intensive video surveillance applications.

Up to 252TB of raw storage allows for long term video storage and archiving, while up to (2) Intel® Xeon® Silver Scalable processors provide unrivaled throughput and computing potential. (24) DDR4 DIMM slots allow for maximum memory bandwidth utilization with support for six-channel memory architecture.

Dual M.2 SSDs for the operating system and application accelerated load times. System reliability and high availability is guaranteed with redundant 1100W power supplies and RAID 5/6 storage options, while a five-year, on-site, next business day, Keep Your Hard Drive warranty ensures peace of mind.

KEY FEATURES

- Up to 252TB of Raw Storage
- Intel® Xeon® Silver Scalable Processors
- Operating System: Windows Server 2019
- iDRAC features include:
 - Remote Management
 - Disaster Recovery
 - Critical Resource Monitoring



SSD & SAS Drives



Redundant Power



RAID Options: 0, 1, 5, 6, 10



**5-Year, On-site, NBD,
Keep Your Hard Drive Warranty**



Back - Dual Processor Models

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CERTIFIED | PURPOSE BUILT | GUARANTEED

SYSTEM	
Processor(s)	Up to (2) Intel® Xeon® Silver Scalable Processors (Up to 16 Cores, 32 Threads, 3.20GHz per processor)
Processor Passmark	Intel® Xeon® Silver 4210: 15,794 Dual Intel® Xeon® Silver 4210: 16,472 Intel® Xeon® Silver 4216: 16,200 Dual Intel® Xeon® Silver 4216: 22,012
Maximum Storage	Up to 252TB
Operating System	Windows Server 2019
Memory	Single Processor: 16GB (2x 8GB) Dual Processors: 32GB (4x 8GB) Maximum Configuration: Up to 768GB RDIMM, 1.5TB LRDIMM, 192GB NVDIMM (24x DDR4 DIMM Slots)
RAID	OS RAID 0, 1; Data RAID 0, 1, 5, 6, 10
RAID Controller	PERC H740P (8GB NV Cache)
Networking	Single Processor Models: (4) 1GbE RJ45 Ports Dual Processor Models: (4) 1GbE RJ45 Ports, (2) 10GbE SFP+ ports
Expansion Slots	Single Processor: (2) Full-height PCIe x8, (1) Low-profile x8 slots (In default configuration) Dual Processors: (2) Full-height PCIe x8 slots (In default configuration)
USB(s)	Rear (2) USB 3.0, Front (2) USB 2.0, Internal (1) USB 3.0
Video Outputs	(1) VGA
Remote Management	iDRAC Express
Manufacturer	BCDVideo
Warranty	5-Year, On-site, NBD, Keep Your Hard Drive Warranty
MECHANICAL	
Form Factor	2U Rackmount
Rack Support	Sliding Rack Rail with Cable Management Arm
Hard Drive Bays	(18) 3.5" Hot Swappable Bays & (2) M.2 SSD Slots
Hard Drives Supported	PCIe NVMe & SAS
Power Supply(s)	(2) 1100W (100-240VAC) 80 Plus Platinum
Maximum Power Draw	860W
Operating Temperature	(Min) 50°F - (Max) 95° F [(Min) 10°C - (Max) 35° C]
Operating Humidity	5 ~ 90% (non-condensing)
Dimensions (WxDxH)	19" (482.6mm) x 29.7" (755mm) x 3.4" (86.8mm)
Max. Weight	73 lbs. (33.1kg)



Back - Single Processor Models

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