

# GEN-2011E(X)-R18

## 2U 18-Bay Rackmount Video Recording Appliance

### ENTERPRISE, SCALABLE PERFORMANCE FOR VIDEO PROCESSING AND ARCHIVING

Provide scalable storage performance and video data processing with the GEN-2011EX-R18 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 in Security Center.

Up to 324TB 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. Twenty-four DDR4 DIMM slots allow for maximum memory bandwidth utilization with support for six-channel memory architecture.

BCD's Harmonize iDRAC plug-in integrates with Genetec's Security Center VMS and provides hardware events, notifications and alarms to be presented within Security Center.

System reliability and high availability is guaranteed with redundant 1100W power supplies and RAID 0/1/5/6/10 storage options, while a five-year, on-site, next business day, Keep Your Hard Drive warranty ensures peace of mind.

BCD's exclusive Harmonize Bridge, powered by Tiger Technology, includes full data protection, backup and archive, and instant disaster recovery, while delivering cloud scale and services without any disruption to your workflows. The flexibility within the GEN-2011EX-R18 allows for on-premise recording, cloud recording, or both simultaneously.



**harmonize Bridge**  
POWERED BY TIGER TECHNOLOGY

**harmonize**  
iDRAC PLUG-IN INSIDE

### KEY FEATURES

-  **Up to 300 Channels\***
-  **Up to 952.5 Mbp/s Recording Rate**
-  **Up to 324TB of Raw Storage**
-  **Intel® Xeon® Silver Processors**
-  **Windows Server 2019**
-  **Harmonize Conductor Suite**
  - iDRAC Server Management via Security Desk
  - Disaster Recovery
  - Hybrid Cloud Connectivity
-  **SSD & SAS Drives**
-  **Redundant Power**
-  **RAID Options: 0, 1, 5, 6, 10**
-  **5-Year Keep Your Hard Drive Warranty**

*\*Based upon these parameters: 2 MP at 15FPS, H.264, 24-hour recording for 30 days.*

FOR MORE INFORMATION: [bcdvideo.com](http://bcdvideo.com) | [sales@bcdinc.com](mailto:sales@bcdinc.com) | +1.847.205.1922  
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# GEN-2011E(X)-R18

## 2U 18-Bay Rackmount Video Recording Appliance

### SYSTEM

#### Operating System

Windows Server 2019

#### Memory

Single Processor Model: 16GB (2x 8GB)  
Dual Processor Model: 32GB (4x 8GB)  
Maximum Configuration: Up to 768GB  
RDIMM, 1.5TB LRDIMM, 192GB NVDIMM  
(24x DDR4 DIMM Slots)

#### Processor(s)

Up to (2) Intel® Xeon® Silver 4216  
Scalable Processors (Up to 16 Cores, 32  
Threads, 3.20GHz)

#### Processor Passmark

Intel® Xeon® Silver 4216: 18,561  
Dual Intel® Xeon® Silver 4216: 22,272

#### Networking

Single Processor Model: (4) 1GbE RJ45  
Ports  
Dual Processor Model: (4) 1GbE RJ45  
Ports, (2) 10GbE SFP+ ports

#### Expansion Slots

(2) Full-height PCIe x8, (1) Low-profile x8  
slots available profile slots

#### USB(s)

Rear (2) USB 3.0, Front (2) USB 2.0,  
Internal (1) USB 3.0

#### Video Outputs

(1) VGA Port Front & (1) VGA Port Rear

#### Remote Management

iDRAC Express

### MECHANICAL

#### Form Factor

2U Rackmount

#### Power Supply(s)

(2) 1100W (100-240VAC) 80 Plus Platinum

#### Operating Temperature

(Min) 50°F - (Max) 95°F [(Min) 10°C - (Max) 35°C]

#### Max Heat Dissipation

3001 Max BTU/hr

#### Operating Humidity

10 ~ 80% (non-condensing)

#### Dimensions (WxDxH)

17.09" (434mm) x 26.72" (678.8mm) x 3.4"  
(86.8mm)

#### Max. Weight

73 lbs. (33.1 kg)

#### Warranty

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

### STORAGE

#### Hard Drive Bays

(18) 3.5" Hot Swappable Bays  
(2) M.2 SSD Slots (OS)

#### Hard Drives Supported

PCIe NVMe, SATA

#### RAID

RAID 0, 1, 5, 6, 10

#### RAID Controller

PERC H740P (8GB NV Cache)

#### Maximum Storage

Up to 324TB (Seagate SkyHawk AI)



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