IV320-RH-KD

IP65 Mission GPU Computer with Intel® 13th Gen. Raptor Lake-H Core

i7-13800HRE Processors / Nvidia A4500 MXM GPU

MIL-STD 810G

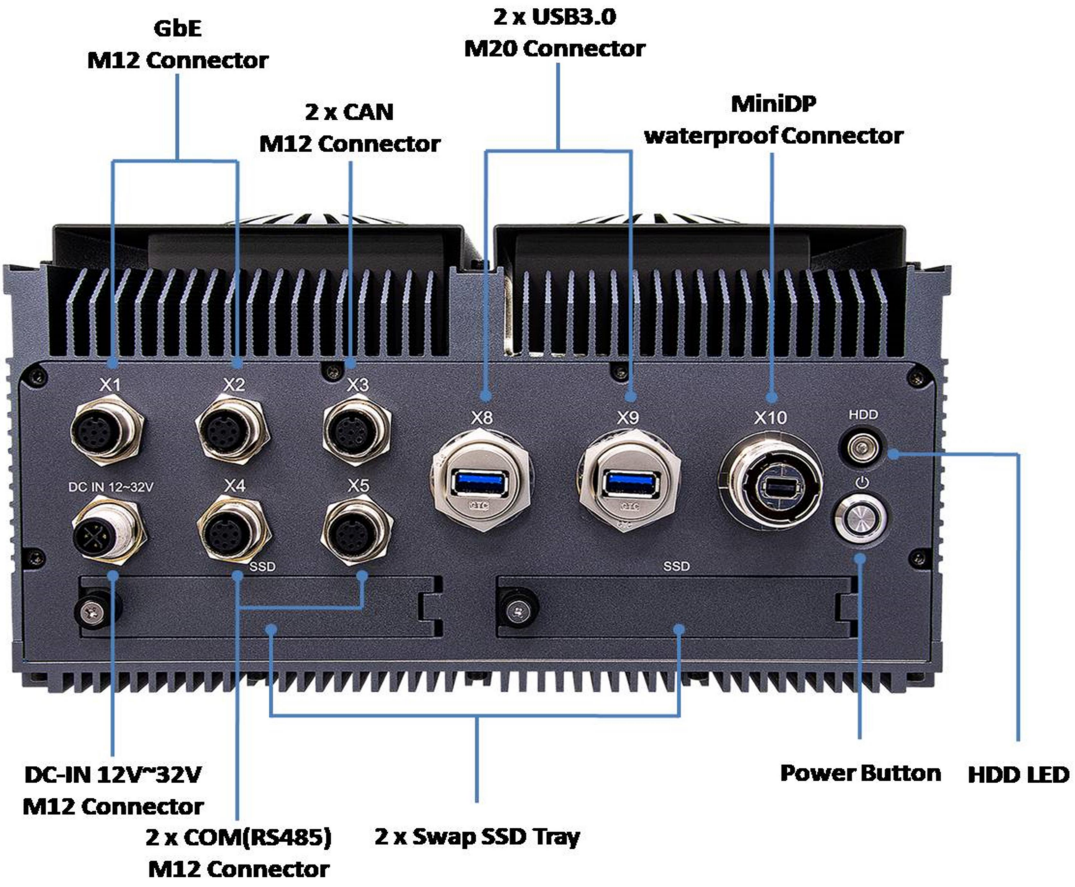
- **Full IP65 sealed enclosure for harsh, wet and dusty environments.**
- **8x Channel 3G-SDI Frame Grabber with low latency**
- **Support Intel® 13th Gen. Raptor Lake-H, Core i7-13800HRE, 14C, 20T, 5.0Ghz**
- **2 x DDR5 DIMMs Up to 64GB SO-DIMM 5200MHz**
- **Supports NVIDIA® Quadro MXM RTX A4500 (16GB GDDR6, 5888 CUDA)**
- **Rugged waterproof M12/M20 connectors**
- **IP65 2 x 2.5" SATA SSD Easy Swap Tray**
- **Extended Operating Temperature -20°C to +60°C**
- **Wide range 12V~36V DC-IN**
- **MIL-STD-810 Anti Vibration, Shock compliance**

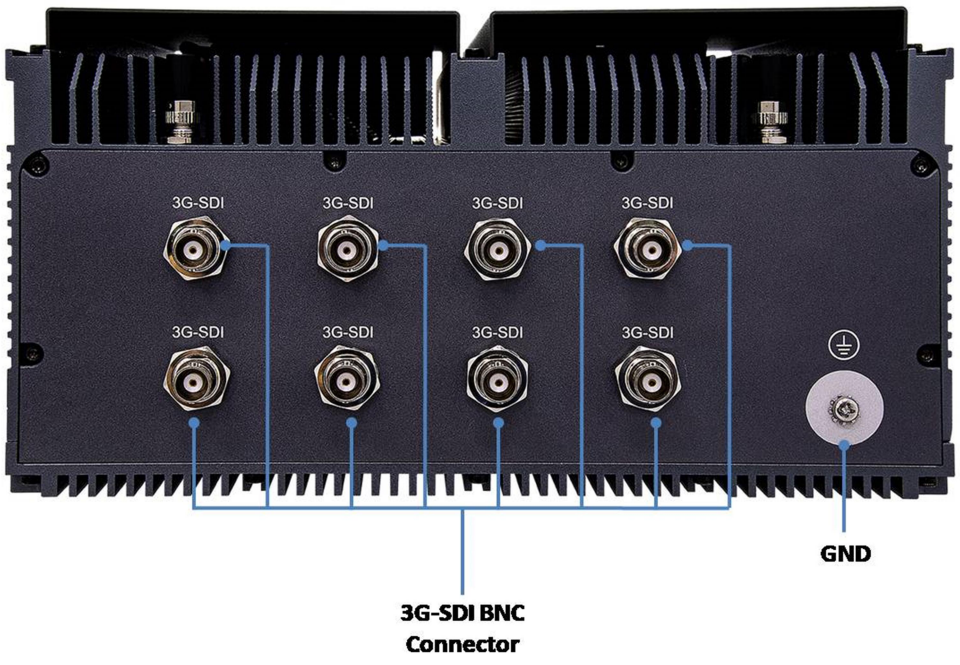
Specifications

System	
CPU	Intel® 13th Raptor Lake Core i7-13800HE/HRE, 14C, 20T, 2.5/5.0GHz, 24M Cache, TDP 45W
Memory type	2 x DDR5 DIMMs Up to 64GB SO-DIMM 5200MHz
Chipset	SoC, integrated with CPU
GPU	NVIDIA® Quadro RTX A4500 - (5888 CUDA Cores)
Storage	
HDD/SSD	Dual Reomable 2.5" SATA Tray
Front I/O	
X1	1 x GbE with M12 connector
X2	1 x GbE with M12 connector
X3	2 x CAN with M12 connector
X4	2 x COM(RS485) with M12 connector
X5	2 x COM(RS485) with M12 connector
X8	1 x USB3.0 with M20 connector
X9	1 x USB3.0 with M20 connector
X10	1 x Mini DP with waterproof connector
DC-IN	1 x DC-IN 12~36V with M12 connector
HDD LED	1 x HDD LED
Power Button	1 x Power Button w/Indicator LED
Rear I/O	
3G-SDI	8 x 3G-SDI with BNC Connector
GND	1 x GND Screw
Operating System	
OS	Windows 10/ 11 64bit Enterprise, Linux by request
Physical	
Power Requirement	12V~36V DC-IN
Dimension	250 x 325 x 138 mm (W x D x H)

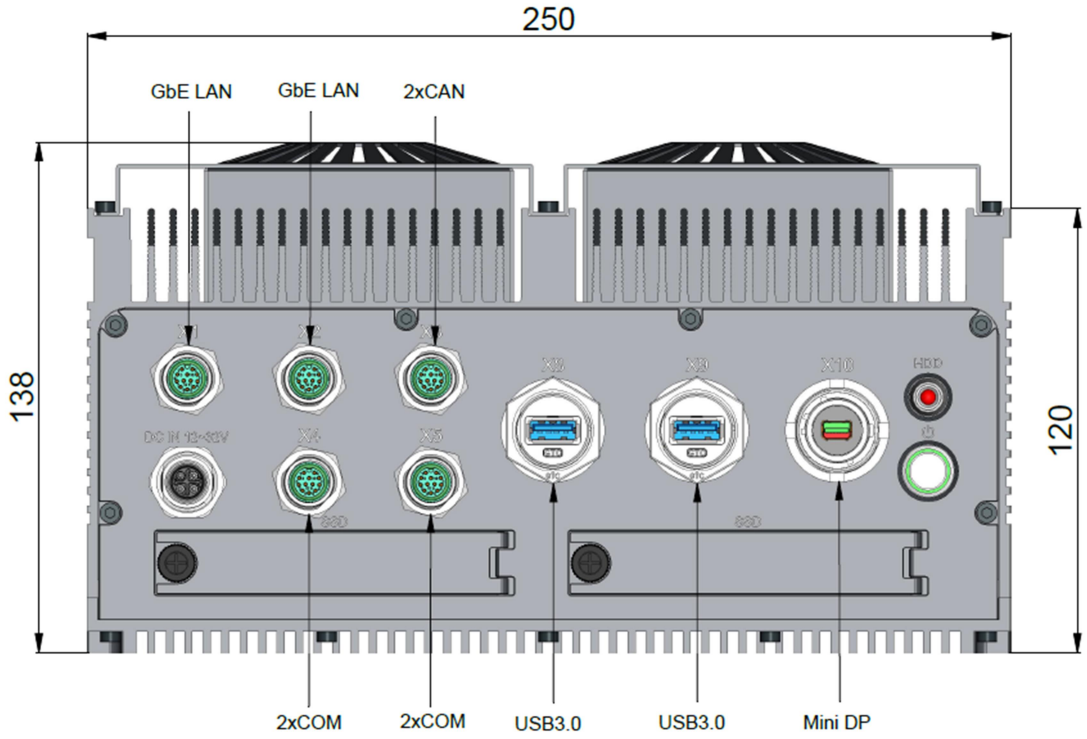
Ingress Protection	IP65
Operating Temp.	-20°C to 60°C
Storage Temp.	-40°C to 85°C
Relative Humidity	5% to 95%, non-condensing
System Design	Conduction Cooing
ENVIRONMENT	
MIL-STD-810 (Compliance)	Method 507.5, Procedure II (Temperature & Humidity) Method 516.6 Shock-Procedure V Non-Operating (Mechanical Shock) Method 516.6 Shock-Procedure I Operating (Mechanical Shock) Method 514.6 Vibration Category 24/Non-Operating (Category 20 & 24, Vibration) Method 514.6 Vibration Category 20/Operating (Category 20 & 24, Vibration) Method 501.5, Procedure I (Storage/High Temperature) Method 501.5, Procedure II (Operation/High Temperature) Method 502.5, Procedure I (Storage/Low Temperature) Method 502.5, Procedure II (Operation/Low Temperature) Method 503.5, Procedure I (Temperature shock)
Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001 / 2000 Certified Quality Program.
CE/FCC (Compliance)	CE/FCC Compliance

Appearance & Dimension





Dimension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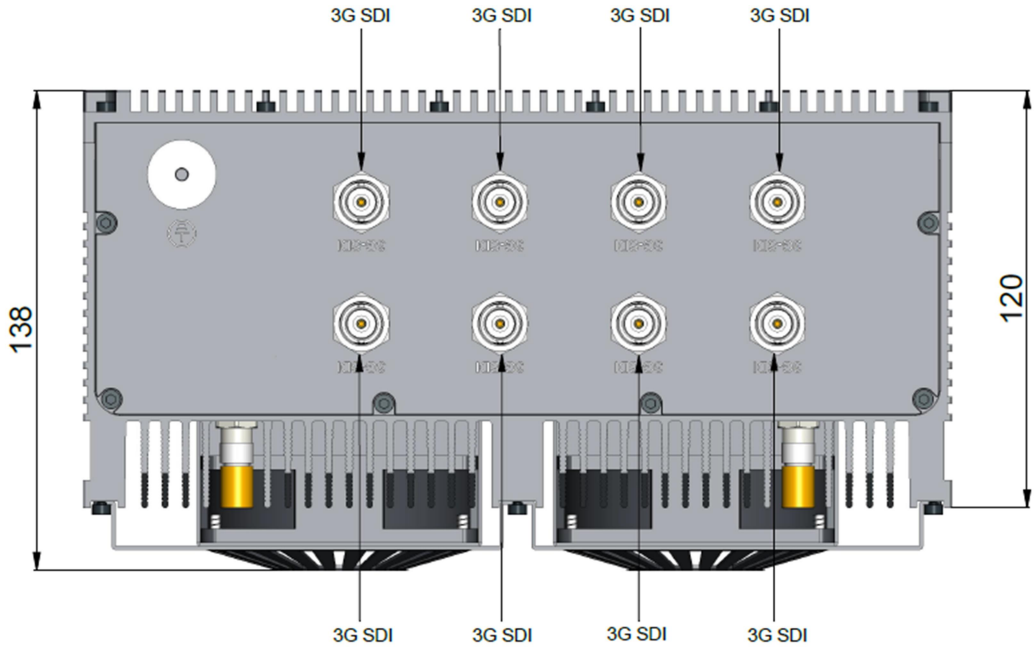
GbE LAN
2xCAN
138
120
2xCOM
2xCOM
USB3.0
USB3.0
Mini DP


3G SDI
3G SDI
3G SDI
3G SDI
138
120
3G SDI
3G SDI
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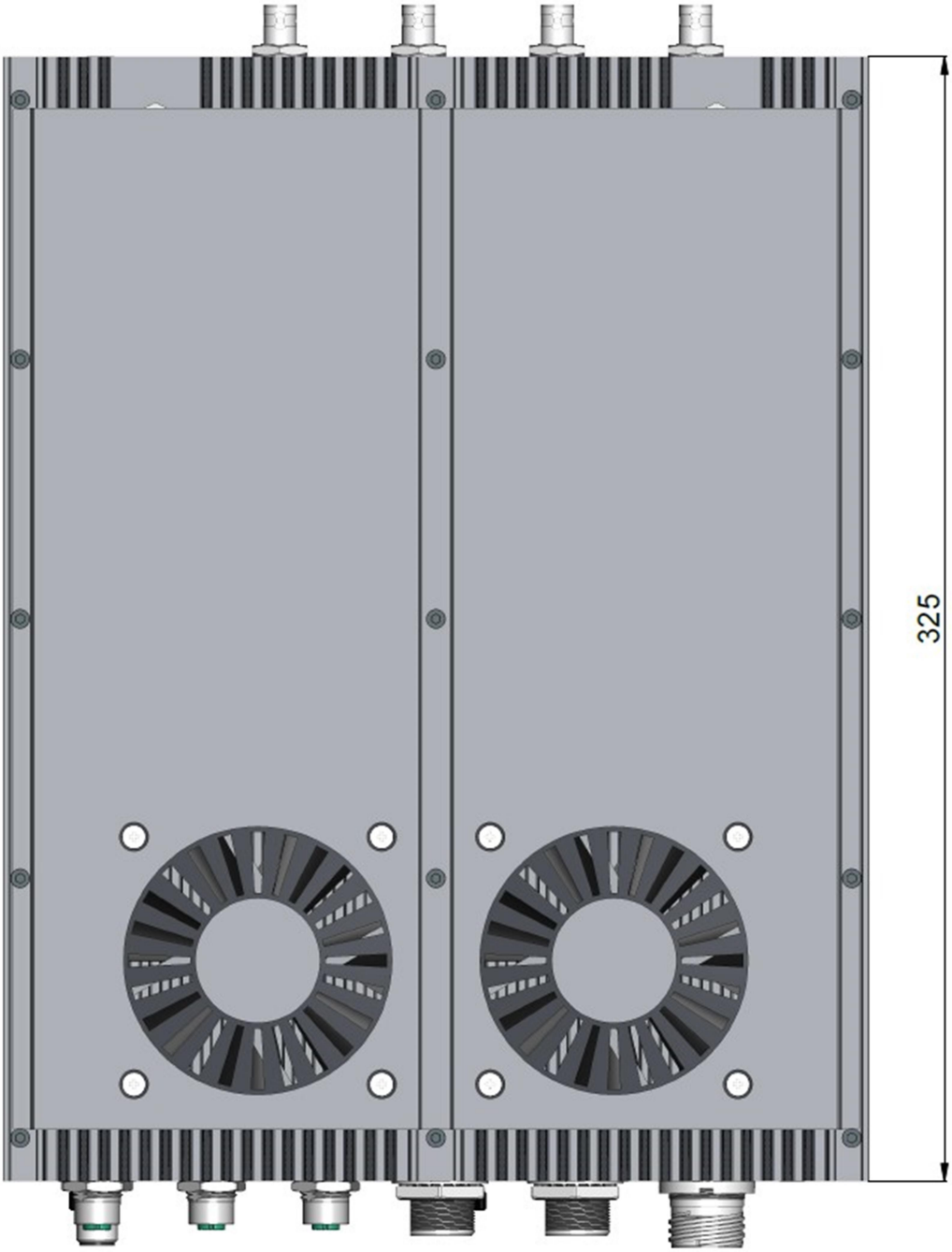

Ordering Information

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IP65 Mission GPU Computer with Intel® 13th Gen. Raptor Lake-H Core i7-13800HRE Processors / Nvidia A4500 MXM GPU, up to 64GB DDR5 SO-DIMM 5200MHz, 2 x LAN / 2 x CAN / 4 x COM(RS485) / 2 x USB3.0 / 1 x Mini DP with M12/M20 connector, 8CH 3G-SDI with BNC connector, 12~36V DC-IN, operation temperature -20~60°C