

VR-X20 DVR G3



VR-X20 DVR G3 features AI-empowered computing platform that supports ALPR, merges video and data from multiple sources at once, and enables multi-tasking.



AI PC Performance for Multi-Tasking

Feature with the Intel® Core™ Ultra 5 processor 125H, delivering faster speed and improved power-saving capability for AI applications.



Military-Grade Durability

MIL-STD-810H compliant. Built to withstand extreme environments, ensuring consistent performance in a wide temperature range from -22°F to 158°F.



Multiple Connectivity Options

Offer dual LAN, Wi-Fi 7, GPS, and Bluetooth with faster data streaming speed. GPS supports L1 and L5.



Long-Term Reliability

A 3-year warranty ensures continued service support and device longevity. An extended warranty is also available with additional purchase.



Backup Battery

Powerful backup battery keeps you fully functional in case of vehicle collision or dead battery.

Specifications

Operating System

Windows 11 IoT Enterprise

CPU

8GB DDR5

Optional: 16GB / 32GB DDR5

1st storage: 256GB PCIe NVMe SSD

Optional: 512GB / 1TB / 2TB PCIe NVMe SSD

2nd storage: 256GB PCIe NVMe SSD

Optional: 512GB / 1TB / 2TB PCIe NVMe SSD

GPU

Intel® Arc™ Graphics

NPU

Intel® AI Boost

I/O Interface

PoE (Power Over Ethernet, PSE) x 6

LAN (RJ45, 2.5Gbps) x 1

LAN (RJ45, 1Gbps) x 1

Audio Jacks (RJ45) x 2

Serial port (9-pin; D-sub) x1

Audio in/out combo x 1

DC in Jack (Power & Ignition) x 1

USB 2.0 Type-A x 1

USB 3.1 Gen 2 Type-A x 2

USB 4 Gen2x2 Type-C x 1

GPIO Ports (Input x 8, Output x 4, 12V/1A power output x 2)

GPS SMA x 1

Wi-Fi MiMo RP-SMA x 2

Control unit connector x 1

HDMI x 1

Communications

10/100/1000 BASE-T Ethernet

2.5GBASE-T Ethernet

Intel® Wi-Fi 7 BE202, 802.11be

Bluetooth (v5.4)

Security

TPM 2.0

Power

Li-Ion battery (7.26V, typical 9600mAh; min. 9400mAh)

Ruggedness

MIL-STD-810H compliant

Temperature

Operating: -30°C to 70°C / -22°F to 158°F

Storage: -40°C to 85°C / -40°F to 185°F

Dimensions (W x D x H) & Weight

182 x 68.5 x 179mm (7.16" x 2.69" x 7.04")

2.08kg (4.59lbs)

Warranty

3-year standard limited warranty

* Extended plans available.

* Specification subject to change.

Custom options are available based on customer specifications.

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