



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.



Versatile Connectivity Options

Seamless connectivity with dual LAN, Wi-Fi 7, GPS (supporting both L1 and L5 bands), and Bluetooth. For enhanced mobility, an optional 4G LTE module is available, enabling data streaming on the go.



Backup Battery

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



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.



Long-Term Reliability

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

Specifications

Operating System

Windows 11 IoT Enterprise

CPU

Intel® Core™ Ultra 5 Processor 125H
Max. 4.5GHz with Intel® Turbo Boost Technology
- 18MB Intel® Smart Cache

Memory & Storage

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) x 1

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

Optional: SIM card slot x 1ⁱ

Optional: LTE MiMo SMA x 2

Communications

10/100/1000 BASE-T Ethernet

2.5GBASE-T Ethernet

Intel® Wi-Fi 7 BE202, 802.11be

Bluetooth (v5.4)

Optional: 4G LTE mobile broadbandⁱⁱ

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.

- i Units with 4G LTE option come with an embedded SIM card slot.
- ii The 4G LTE option is certified by the FCC, IC, CE, and RCM.

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Getac

Getac USA

15495 Sand Canyon Ave. Suite 350 Irvine, CA 92618

Phone: +1-833-820-5172

Tel : 949-681-2900

sales@getacvideo.com | www.getac.com/us/

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