

Vulcan™ Series V20HC IP Mobile NVR

20-CHANNEL MNVR

DIMENSIONS

- Height: 6.25 inches
- Width: 8.0 inches
- Length: 13.5 inches
- Weight: 9.3 pounds

CAMERA INPUTS

- 16 channels IP 720P, 1080P or up to 4MP and 4 HD channels up to 1080P

VIDEO OUTPUTS

- 3 channels: CP4/VGA/AV-out

AUDIO OUTPUTS

- 3-channels: CP4/VGA/AV-out

CAMERA COMPATIBILITY

- 16 channels IP 720P, 1080P or up to 4MP and 4 HD channels up to 1080P

STORAGE MEDIA

RECORDING MEDIA

- Supports 3.5" hard disk up to 14TB and one (1) SD card slot

CAPACITY

- Up to 14TB
- 128GB SD card up to 512GB
- Additional storage available with eSATA port

USB

- 1 x USB3.0 (Type A) + 1 x USB2.0 (Type B)

RECORDING OPTIONS

- eSATA and SD card slot for redundant recording

INTERFACE

CAMERA CONNECTION

- (16) RJ45 connections with 12V POE + (4) 4 Pin avionics connections for HD cameras

NETWORK DATA CONNECTION

- Ethernet: RJ45 x 1 (10/100/1000Mbps)

EXPANSION

- RS232 x 2, RS485 x 4

GPS INTERFACE

- Built-in, compatible with passive GPS antenna

DRIVER ACTION DETECTION

PANIC BUTTON

The remote status indicator (panic button) can be connected to show MNVR power and record status without using a video monitor and has the following functions:

- Solid green LED indicates that the unit has power and is recording
- Event marker (panic button)



DRIVER ACTION DETECTION WIRES

- 8 signal wires individually programmable to indicate alarm or event plus 1 output and 1 DC 12V output

COMPRESSION FORMAT

- Video: H.264/H.265
- Audio: ADPCM

RECORD RESOLUTION

DIGITAL

- 1080P (1920X1080), 720P (1280X720)

NTSC

- 1080P, 720P, WD1 (928X480), WHD1 (928X240), WCIF (464X240), D1 (704X480), HD1 (704X240), CIF (352X240)

RECORDING OPTIONS

- **Continuous record:** System will record all channels continuously while vehicle is running (factory setting).
- **Alarm record:** System will record when an alarm is triggered.
- **Motion record:** System will record when the cameras detect motion while vehicle is running.
- **Schedule record:** System will boot and record according to user-selectable schedule.

ELECTRICAL & OPERATING REQUIREMENTS

AUTO ON/OFF DETECTION

- ACC detection

DELAY OFF SETTING

- User selectable up to 24 hours

OPERATING TEMPERATURE

- 14°F (-10°C) ~ +158°F (+70°C); -40°F (-40°C) ~ +158°F (+70°C) (with automatic heating)

OPERATING HUMIDITY

- 8% - 90% (No condensation)

BUILT-IN G-FORCE SENSOR

BUILT-IN POWER PROTECTION

BUILT-IN WI-FI MODULE

BUILT-IN GPS MODULE (REQUIRES ANTENNA)

POWER SUPPLY

INPUT RANGE

- DC 9-36V

POWER CONSUMPTION

- StandBy: ~ 0W
- Maximum power: 135W
- Maximum power (with HDD heating): 160W

LOW VOLTAGE PROTECTION

- User selectable and programmed at installation

HYBRID COMPONENT™ TECHNOLOGY

Modular design for on-site service, maintenance and upgrades in minutes

HOUSING/CASING

- Removable, shock-mounted, aluminum
- Vandal-resistant
- Shock-resistant: MIL-STD-810F
- Built-in fans with filter

OPTIONAL COMPONENTS

VIRTUAL SYNCHRONIZED MAPPING™

PASSIVE GPS ANTENNA

CELLULAR MODEM (COMPATIBLE WITH SI6GM)