

Vulcan™ Series V862HC Mobile DVR

8-CHANNEL MDVR

DIMENSIONS

- Height: 3.9 inches
- Width: 7.4 inches
- Length: 13.7 inches
- Weight: 6.7 pounds

CAMERA INPUTS

- (6) HD channels up to 1080P + (2) IP channels up to 4K/8MP

VIDEO OUTPUTS

- (2) Channels: CVBS/VGA

AUDIO OUTPUT

- (1) Channel

CAMERA COMPATIBILITY

- (6) HD channels up to 1080P + (2) IP channels up to 4K/8MP

STORAGE MEDIA

RECORDING MEDIA

- Supports (1) 3.5" HDD or (1) M.2 SATA SSD

CAPACITY

- Up to 10TB with optional fan kit

USB

- (1) USB 2.0 (Type A) + (1) USB 2.0 (5-pin aviation connector)

RECORDING OPTIONS

- (1) microSD card slot for redundant recording

INTERFACE

CAMERA CONNECTION

- (2) RJ45 connections with 12V POE and (6) 4-pin avionics connectors for HD cameras

NETWORK DATA CONNECTION

- Ethernet: RJ45 x 1 (10/100M)

EXPANSION

- RS232 x 1, RS485 x 2, CAN x 1

GPS INTERFACE

- Supports internal or external GPS

DRIVER ACTION DETECTION

PANIC BUTTON

The remote status indicator (panic button) can be connected to show MDVR 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 (2) outputs

COMPRESSION FORMAT

- Video: H.264/H.265
- Audio: ADPCM, G.711U

RECORD RESOLUTION

DIGITAL

- 8MP (3840X2160), 4MP (2688X1520), 1080P (1920X1080), 720P (1280X720)

NTSC

- 8MP, 4MP, 1080P, 720P, WD1 (928X480), WHD1 (928X240), WCIF (464X240), D1 (704X480), HD1 (704X240), CIF (352X240)
- 6x720P@30FPS (HD) + 2x4K/8MP@30FPS (IP) or 6x1080P@20FPS (HD) + 2x4K/8MP@30FPS (IP)

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

- -40°F (-40°C) ~ +158°F (+70°C) (without hard disk)
- -40°F (-40°C) ~ +122°F (+50°C) (with hard disk and heater)

OPERATING HUMIDITY

- 15%~95%

POWER SUPPLY

INPUT RANGE

- DC 9-36V, ACC

OUTPUT RANGE

- 5V@500mA, 12V@500mA

POWER CONSUMPTION

- <10W (bare machine), 40W (typical power consumption)
- StandBy: ≈ 0W

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
- Fan (optional) for use with HDD of 8TB+

BUILT-IN G-FORCE SENSOR

BUILT-IN POWER PROTECTION

BUILT-IN WI-FI MODULE

BUILT-IN GPS MODULE (REQUIRES ANTENNA)

OPTIONAL GPS ANTENNA (ACTIVE OR PASSIVE)

OPTIONAL CELLULAR MODEM

OPTIONAL AI FEATURES

Specifications, features and applications of use are subject to change without notice. ▼ 01/2026 B