

MDVR Specification Checklist

What to confirm before installing a Mobile Digital Video Recorder

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Step 1 — Confirm Camera Channel Requirements

Camera positions required	MDVR channels needed
Forward + Nearside + Rear	3-channel minimum
Forward + Nearside + Rear + Driver-facing	4-channel (standard HGV)
Additional load/cargo/trailer positions	5–8 channel unit

Step 2 — Specify Storage for Retention Requirements

- ☐ 4-channel at standard definition: 1TB HDD = ~14–21 days retention
- ☐ Higher resolution or more channels = shorter retention on same drive
- ☐ Target 28–31 days minimum for UK fleet insurance claim timescales
- ☐ HDD: higher capacity, lower cost; SSD: better vibration resistance
- ☐ Removable SD card slot for physical footage retrieval confirmed

Step 3 — Connected MDVR Requirements

- ☐ 4G SIM slot confirmed in unit specification
- ☐ Event-triggered clip upload to platform configured
- ☐ Live view accessible from fleet management platform
- ☐ GPS data synchronised with video recording
- ☐ G-force threshold for event trigger set appropriately for vehicle type

Step 4 — Camera and System Compatibility

- ☐ All cameras confirmed compatible with this MDVR manufacturer's system
- ☐ In-cab monitor display specified and compatible with MDVR output
- ☐ Aviation connector cables specified for all camera runs
- ☐ MDVR operating temperature range covers vehicle environment (-20°C to +70°C)
- ☐ Power management handles vehicle engine start/stop without recording gaps

Step 5 — Retention Policy Confirmed