



MDVR Telematics Integration Checklist

Pre-install · Integration test · Security · Pilot KPIs

Use this checklist when rolling out MDVR video integration with your telematics platform. Work through each phase in order. Tick each item when complete.

Phase 1 — Pre-install

- ☐ Verify vehicle VIN and model; note camera mounting spots.
- ☐ Confirm power source: hardwire (add-a-fuse), OBD or battery kit.
- ☐ Ensure CAN/OBD access point is documented.
- ☐ Allocate SIM with approved APN; confirm LTE bands supported.
- ☐ Install SD/HDD and format from MDVR OSD (not on PC).
- ☐ Secure cameras with tamper screws; mounting height ~1.2 m for cab-facing.
- ☐ Run test drive — check recording indicator, GPS lock and OSD timestamp.

Phase 2 — Integration Test

- ☐ Webhook endpoint receives signed events (test with sample payload).
- ☐ Clip presigned URL downloads successfully (test TTL expiry behaviour).
- ☐ Timestamps within 1 second between telematics event and clip.
- ☐ CAN signals appear in telematics overlay (rpm, brake status, speed).
- ☐ AI tags are visible in event metadata and are actionable.
- ☐ GPS/NTP time sync enabled on MDVR; clock offset logged in clip metadata.

Phase 3 — Security & Compliance

- ☐ HTTPS and token auth in place; API tokens scheduled for quarterly rotation.
- ☐ Presigned URLs configured with TTL 5–15 minutes for direct clip access.
- ☐ RBAC roles assigned; audit logging enabled for clip access.
- ☐ DPIA completed and retention policy documented (30–90 days routine; longer for incidents).
- ☐ Data subject request workflow defined; driver notices issued.
- ☐ Access log retention period agreed with compliance owner.

Phase 4 — Pilot KPI Tracker (30–90 days)

Target: event→clip match $\geq 90\%$ · failed uploads $< 10\%$ /week · clip preview < 3 min · false alert rate tracked weekly.

Week	Events	Usable clips	Failed uploads	Median clip time	False alerts	Notes

Acceptance Criteria

Criterion	Target	Pass?
Timestamp sync accuracy	Within 1 second	
Clip preview availability (cellular)	< 3 minutes	
Full-res clip availability (cellular)	< 24 hours	
Full-res clip availability (Wi-Fi depot)	< 6 hours	
Event→video match rate	≥ 90%	
Failed upload rate	< 10% per week	
SD health alerts	< 1% per month	