

Refuse Truck Camera System Specification Checklist

Use this checklist when specifying or auditing a camera system for an RCV

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Complete each section before signing off a refuse vehicle camera installation. Tick each item when confirmed.

Five Core Camera Positions

- ☐ Forward-facing camera fitted (min. 120° FOV)
Covers road ahead and collection point approach
- ☐ Rear-facing camera triggered by reverse gear
Integrated with proximity sensor overlay on monitor
- ☐ Nearside kerb-level camera fitted
Rear nearside corner, angled down — covers loader foot zone
- ☐ Offside camera fitted
Full length of vehicle visible on right side
- ☐ Cab-forward interior camera fitted (if crew transported)
Monitors rear cab passengers during transit

Body-Type Specific Cameras

- ☐ Rear loader: hopper camera fitted
Covers bin-lift crush zone — AI halt integration if available
- ☐ Side loader: arm sweep zone camera fitted
Wide-angle, mounted above arm travel height
- ☐ Roll-off: skip placement zone covered by rear-facing
Covers driveway approach and gate clearance

Technical Specifications

- ☐ All external cameras rated IP67 minimum
IP69K for coastal / industrial wash-down environments
- ☐ MDVR minimum 6 channels (8 recommended)
Headroom for 360° bird's-eye view expansion
- ☐ MDVR minimum 256GB storage (two-shift fleets)
48 hours footage before overwrite cycle
- ☐ 4G remote access enabled on MDVR
Allows footage retrieval before vehicle returns to depot
- ☐ Locking connectors throughout (aviation-spec)
Not RCA — vibration and moisture resistance
- ☐ Night vision confirmed on rear and nearside cameras
Early morning rounds in low-light conditions

Monitor and Display

- ☐ In-cab monitor supports 4-way split-screen
Forward, rear, nearside, offside simultaneously
- ☐ Proximity sensor triggers auto camera switch
Nearside sensor → nearside full-screen on alert
- ☐ Monitor visibility confirmed from driver seat
No glare or angle obstruction during manoeuvres

DVS and Compliance

- ☐ **DVS star rating confirmed (TfL checker)**
PSS required if below 3 stars and operating in London
- ☐ **Front nearside camera/sensor fitted (DVS PSS)**
Cyclist blind spot at front of cab/bumper
- ☐ **Proximity sensors installed (nearside and front)**
In-cab audible alert confirmed active
- ☐ **FORS Silver nearside coverage requirement met**
Documented for accreditation audit

Operational Checks

- ☐ **All cameras confirmed live on in-cab monitor**
Each channel checked individually
- ☐ **Hopper/arm camera triggered at loading cycle**
Detection zone confirmed clear before lift
- ☐ **Footage playback confirmed on MDVR**
Event clips accessible by time and camera channel
- ☐ **Remote footage access tested via 4G portal**
Fleet manager can pull footage without vehicle return
- ☐ **System confirmed by driver and fleet manager**
Sign-off documented with installation date