

Operating Cameras in Dusty Environments — Checklist

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Implementation Checklist

- ☐ IP66:Dust-tight (no ingress) and protected against powerful water jets. The standard for most road-vehicle cameras. Not sufficient for quarry or agricultural use.
- ☐ IP67:Dust-tight and protected against temporary immersion (30 minutes at 1 metre depth). Better than IP66 but still not adequate for continuous high-pressure wash-down environments.
- ☐ IP69K:Dust-tight and protected against high-pressure, high-temperature water jets from close range (at 80°C, 8–10 bar, from 10–15cm). This is the standard used for equipment that is pressure-washed as part of routine operation — which describes quarry vehicles, agricultural machinery, and any vehicle operating in dusty conditions that is cleaned with a pressure washer.