

To achieve optimal performance for Videoloft's PPE detection, follow these guidelines when setting up your camera:



1. Strategic work zone positioning

Place cameras at key locations such as work entry points, active work zones, and high-risk areas where PPE compliance is critical. Avoid positioning in areas where moving equipment may regularly block worker visibility.



2. Camera distance

Install cameras within 12 feet (3.5 metres) of the monitoring zone to ensure clear detection of PPE.





3. Camera height & angle

Mount cameras so the viewing angle from the monitored zone is no more than 50 degrees. This prevents distortion and maintains clear visibility of workers' PPE.



4. Visibility

Frame workers from the waist up so both the head (for hard hat detection) and torso (for hi-vis detection) are fully visible within the field of view.





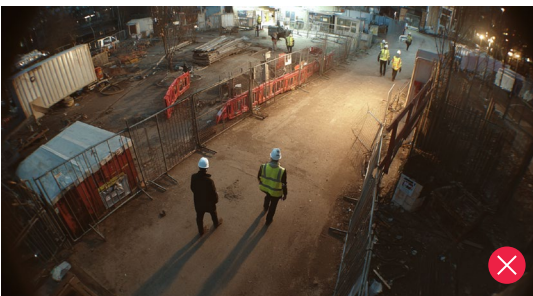
5. Obstructions

Check for any overhead objects, equipment, or structures that could obscure workers' upper bodies. Pay special attention to scaffolding, pipes, fencing, and signage that may block visibility.



6. Illumination

Ensure bright, even lighting across the area. Good lighting allows clear color differentiation for hi-vis clothing and eliminates shadows that may interfere with hard hat detection.



Multiple camera coverage

On larger sites, deploy multiple cameras with overlapping fields of view to eliminate blind spots and ensure complete coverage of all monitored zones.