5MP Optical Camera

This is used with a 350 degree multi-sensor camera

Optical

New or Existing Infrastructure

Notification of PPE Violation

HSE, Security, Field Monitoring Room

Remote Operations

PPE Detection

Our model automatically detects people to determine if they're wearing a hard hat. This can be 24/7 or set to only alarm off hours.

Model Compute Requirements

Specced as 7 cameras running concurrently

MINIMUM REQUIREMENTS

CPU - 3 Cores
GPU - 1700MB of VRAM
RAM - 4000MB

Detects people anywhere on your site

We use our high-definition optical camera to detect people, then zooms in on people movement

Detects head movement

The AI machine model automatically detects heads to see if they're wearing a hardhat

Detects hardhats

Our models are constantly improving. We are adding more PPE recognition as our clients ask for improvements.

What is PPE Detection?

Every site requires personal protection equipment (PPE). This typically includes hardhats and other protective equipment. Our AI machine model automatically detects if someone on your site is wearing the proper PPE equipment.

What camera is required?

The hardhat detection uses a high-definition (4k) camera with 360-degree of coverage. The camera has 4-sensors, letting us see an entire site at once without needing to pan-tilt.

Flag & record

As with all our machine models, we automatically record the event and send it to your SCADA system & custom alert dashboards

Do I need to monitor the camera?

No. Like all CleanConnect.ai machine models, its designed to work autonomously. Our motto is "let the AI do the work," that way no one needs to be dedicated to stare at security monitors–ever!

What's the big idea? (Case Study)

Our early adopter clients wanted to eliminate the need for night, gate, and other lease operators. By doing this, their return on investment (ROI) is 10x.