

TrueLook Security Solution System Specifications

TrueShield Security Solution

Product Description

TrueLook Construction Cameras (the System Vendor) provides remote live viewing, time-lapsing, Intelligent Security, and real-time monitoring through security solutions that use high-definition cameras. The solution's cameras can be accessed on the TrueLook Platform on any internet-connected device, allowing for live viewing of jobsite activity at any time. Unlimited custom time-lapses can be scheduled, and photo documentation can be cataloged and shared. TrueLook Cameras also include 24/7 security recording and motion alerts, allowing users to review unusual activity such as after-hours trespassing.

Product Specifications

The TrueShield Security Solution is a camera security system that includes the following:

Hardware

- Aluminum Enclosure
- 1 – 3 Infrared Cameras, Fixed-Position or Pan-Tilt-Zoom
- Strobe and Siren Unit
- Bullhorn
- Battery Backup System

Software and Service

- Real-Time Monitoring
- Multi-Camera View Dashboard
- Talkdown
- Automated System Alerts
- GPS Tracking
- Customized PTZ Guard Touring

Hardware Specifications

General Hardware Specifications

- The camera security system shall ship pre-configured for turnkey installation. Once the unit is mounted, assembled, and supplied with power, no additional installation or setup is required.
- The System Vendor shall provide pole and wall mounting hardware. The Contractor shall provide a pole or secure a nearby structure for mounting the hardware.
- The System Vendor shall provide a high-definition IP camera security system which has a built-in 4G LTE cellular modem and can be powered by 110VAC or a solar trailer with a battery backup.

System Configurations

The system is available in three configurations and will meet the following requirements:

Essential	Advanced	Pro
One (1) 2K IR PTZ camera 57 lbs	Two (2) Fixed 4K IR cameras 53 lbs	One (1) 2K IR PTZ camera Two (2) Fixed 4K IR cameras 63.6 lbs

Enclosure Specifications

The system's enclosure will meet or exceed the following requirements:

- System Dimensions: 14.25 in L x 16 in W x 21 in H
- Weight: 46.5 lbs
- Operational Conditions: -20° – 120° F
- Enclosure Ratings: IP66 (dust and water)

Camera Specifications

The camera(s) on the TrueShield system shall meet or exceed the following requirements:

2K IR Pan-Tilt-Zoom

- Resolution: 2688 x 1512
- Live Video Streaming: H.264, H.265, and MJPEG
- Optical Zoom: 30x
- Focal Length: 4.5 – 135 mm
- Horizontal Field of View: 57.1° – 2.1°
- Vertical Field of View: 34.4° – 1.2°
- Weight: 9.75 lbs
- Camera Dimensions: 13 x 8 x 15 in
- Operational Conditions: -22° – 122° F
- IR Range: 200 m or more
- Camera Ratings: IP66 (dust and water), IK10 (impact and vandalism), NEMA 4X (corrosion and weather)

Fixed 4K IR

- Resolution: 3840 x 2160
- Live Video Streaming: H.264, H.265, and MJPEG
- Digital Zoom
- Focal Length: 6.2 – 12.9 mm
- Horizontal Field of View: 108°
- Vertical Field of View: 58°
- Weight: 4 lbs
- Camera Dimensions: 5.2 x 11 in
- Operational Conditions: -40° – 140° F
- IR Range: 40m or more
- Camera Ratings: IP66/67 (dust and water), IK10 (impact and vandalism), NEMA 4X (corrosion and weather)

Strobes and Sirens Specifications

The strobe and siren unit will meet or exceed the following requirements:

- Weight: 2.2 lbs
- System Dimensions: 6.7 in Dia, 2.6 in D
- Maximum Sound Level: >110 dB
- Pre-mounted onto enclosure
- Unit Ratings: IP66 (dust and water), IK10 (impact and vandalism), NEMA 4X (corrosion and weather)

Bullhorn Specifications

The bullhorn will meet or exceed the following requirements:

- Weight: 2.9 lbs
- System Dimensions: 10 x 9 x 8 in
- Maximum Sound Level: >121 dB
- Impact-resistant aluminum
- Unit Ratings: IP66/67 (dust and water), NEMA 4X (corrosion and weather)

Battery Backup System Specifications

The battery backup system will meet or exceed the following requirements:

- Battery Number: Two
- Battery Type: 12.8V 50Ah deep cycle lithium, wired in series for 24V
- Battery Dimensions: 7.8 in L x 6.5 in W x 6.7 in H
- Battery Weight: 14 lbs each
- Amps: 50 Ah total

Software and Service Specifications

Service and Software Specifications

Cameras and features are accessible via a web-based, mobile-friendly platform that can be accessed on any internet-connected device. This platform is managed and supported by the System Vendor. Service is available for the term of the project and allows the usage of live video, high definition digital still images, time-lapses, security recordings, and other data. Client logins never expire, granting access to captured data in perpetuity after service ends.

The following features are included during service:

Live Viewing & Time-Lapsing

- Live Streaming
- Unlimited Custom Time-Lapses
- User-Controllable Pan-Tilt-Zoom
- Photo Album Organization
- Photo Overlay Comparison
- Image Markup Tools
- Mobile Image Uploads
- Image Downloading and Sharing
- Photo and Time-Lapse Slideshows

Intelligent Security

- 24/7 HD Recording
- AI-Powered Motion Alerts
- Customizable Email and Text Alerts
- 30+ Days of Rolling Storage of Recordings
- Option to Save Footage Indefinitely

Other Included Benefits

- Unlimited Users
- Unlimited Media Storage
- Unlimited 4G LTE Data
- Unlimited Support
- 30 Day Money-Back Guarantee
- Lifetime Hardware Warranty
- Single Sign-On (SSO)
- Multi-Project Dashboard
- Multi-Camera View Dashboard
- Sharing Links for Limited Access without a Login
- Integrations with Construction Software
- Admin Tools, Including User Analytics
- Live Camera Embedding on Websites
- Email Subscription for Project Updates
- Customized PTZ Guard Touring
- GPS Tracking

System Alerts Specifications

The TrueShield Security Solution utilizes automated audio alerts for the following scenarios:

During Monitored Hours

- Motion detection
- Shock detection
- Image tamper
- Enclosure tamper
- Sudden power loss

During Non-Monitored Hours

- Primary power disconnected
- Backup battery level low
- Monitoring starting in 15 minutes
- Monitoring has started

Jobsite Monitoring Service Specifications

This security solution requires TrueLook's Jobsite Monitoring service, which uses trained monitoring professionals to investigate AI-powered motion alerts from the camera during set monitoring hours. In the event of a verified threat, such as trespassing or vandalism, the chosen primary contact will be notified and given the choice to request emergency services or dismiss the alert. If the primary contact does not reply, emergency services will be dispatched to the jobsite.

Operational Sequence

- **No Threat:** A blue light pulses three times every 15 seconds around the clock to act as a visible deterrent.
- **Potential Threat:** When motion is detected, the camera triggers strobes, a warning message alerts the person that they have been spotted, and a video clip is sent to the monitoring center for investigation. If a person is confirmed on your jobsite, a monitoring professional uses the talkdown bullhorn to inform them that they are on protected property.
- **Confirmed Threat:** When a potential threat is verified, your primary contact is notified to dismiss the alert or request emergency services.
- **Authorities Dispatched:** If an intruder does not leave after talkdown, the monitoring professional triggers the siren while emergency services are dispatched.



Service Specifications

- The System Vendor shall take action to diagnose and resolve system issues within 48 hours.
 - Initial response and communication shall be provided within 8 hours of support ticket receipt.
 - Initial diagnosis shall be provided within 24 hours of initial notification of system issue.
- The System Vendor shall follow up all calls from the client with an email to ensure proper documentation of correspondences between the client and the System Vendor.
- The System Vendor shall perform a monthly review and/or update of the client's call log to ensure all persons and information contained within it are valid.
- Upon request by the insurance carrier, the System Vendor shall perform onsite auditing during monitoring hours, conduct audits of at least two selected sites annually, and test system performance during these audits. The System Vendor shall also coordinate with the insurance carrier to provide access to the monitoring center.