

# SAFETY WARNINGS

## Teslong Thermal Cameras

**⚠ WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

**IMPORTANT:** Read Before Using.



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## WORK AREA SAFETY

- Follow all manufacturer's instructions and guidelines for the safe operation and maintenance of the device.
- Before using the device, ensure your work area is clean, dry, and free of debris that may pose a hazard.
- Ensure that your work area is well-ventilated and free of flammable materials or gases and that proper ventilation equipment is available if needed.
- **Keep children and bystanders away while operating equipment.** Distractions can cause you to lose control.
- Ensure that the device is properly maintained and inspected regularly and that any defects or malfunctions are promptly addressed.
- Conduct regular safety inspections of the work area and the device, and make any necessary improvements or corrections to ensure a safe work environment.

## PERSONAL SAFETY

- Follow the manufacturer's instructions carefully when operating the device, and seek assistance or training if needed to ensure proper use and safety.
- Stay focused and alert while operating equipment. **DO NOT** use equipment while you are tired or under the influence of drugs, alcohol, or medication. Inattention while operating equipment may result in serious personal injury.

- **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the tool in unexpected situations.
- When using the device, be aware of your surroundings and avoid operating it near other people or moving machinery.

## **ELECTRICAL SAFETY**

- If the device plugs into a wall socket, ensure that the device is properly grounded and a circuit breaker or fuse protects the power supply.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators.** There is an increased risk of electrical shock if your body is earthed or grounded.
- **DO NOT** expose equipment to rain or wet conditions while charging. Always dry off the device when charging it to reduce the chance of an electric shock.
- **Only use a manufacturer-recommended charger and power source.** Using incompatible chargers or power sources can damage the device and may cause electrical shock or fire.
- If the device or charger shows signs of damage, such as frayed wires or cracked casing, do not use them and contact the manufacturer for assistance.
- **DO NOT** attempt to repair or modify the device or charger on your own, as this can be dangerous and will void the warranty.

- **DO NOT** expose the device or charger to extreme temperatures or direct sunlight, as this can cause damage to the internal components and reduce their lifespan.
- If you notice any unusual sounds, odors, or smoke coming from the device or charger, unplug them immediately and contact the manufacturer for assistance.
- **DO NOT** use the device or charger near flammable materials or gases, as this can cause fire or explosion.
- The signal output (USB Port) connector is intended for connection of only devices complying with IEC 60601-1, or other IEC standards (for example, IEC 60950), as appropriate to the device.
- This product complies with current required standards for electromagnetic interference and should not present problems to other equipment or be affected by other devices.

## **BATTERY SAFETY**

- **Only use manufacturer-recommended chargers.** Using incompatible chargers may damage the device.
- If the device begins to emit an unusual odor, heat up excessively, or show signs of swelling or deformation, stop using it immediately and contact the manufacturer for assistance.
- **DO NOT** attempt to disassemble or remove the battery in any way, as this may be dangerous and may cause fire or explosion.

- **DO NOT** put the device in a fire or increase the temperature of the device above the operational limit. Do not leave the device in direct sunlight for extended periods. Damage to the battery may occur.
- If the device will not be used for an extended period, charge the device at least once every 3 months to avoid the battery discharging completely and risking permanent damage.

## EQUIPMENT USE AND CARE

- Before operating a Teslong thermal camera, read and understand the operator's manual and instructions for any other equipment used with this tool.
- **DO NOT** alter or cover over any labels on the thermal imager.
- **The thermal imager must only be used by authorized personnel familiar with and trained on the uses, proper operation, features, and full functionality of the thermal imager.** This includes understanding thermal images and how they are interpreted.
- **Never become wholly dependent on the thermal imager for personal navigation.** It is not a night vision camera. Always maintain awareness of location and escape routes when using this device. Failure to do so may result in serious injury or death.
- **DO NOT** point the infrared camera at strong energy sources, for example, devices that cause laser radiation, or the sun. This can affect the accuracy of the camera and cause damage to the detector.

- Repeated exposure to high-temperature environments without adequate periods for the unit to self-cool may result in degradation or loss of the thermal image or damage to the internal components. Be sure to allow adequate cool-down periods between high-temperature exposures.
- When using the thermal imager in a cold environment (below 0°C/32°F), the maximum temperature that the thermal imager can detect is lowered until the unit reaches an internal nominal temperature of (20°C/68°F). Be aware that colorization and temperature readings may not be accurate under these conditions.
- It is important to test the thermal imager and any other associated accessories prior to use to ensure that the equipment is functional before entering a hazardous environment. Always perform a visual and functional check on the equipment to validate that it has not been damaged or degraded prior to use.
- While every effort has been made to ensure that your thermal imager is both tough and reliable, the thermal imager is a sophisticated electro-optical system that will fail if it is abused or exposed to environments beyond its design envelope.
- Always check the thermal camera before use, make sure the product is not damaged, and the lens is clean and in position. Stop using the product immediately if it's damaged or incomplete.
- If smoke or abnormal noise is detected, stop using the thermal camera and turn it off immediately.
- **DO NOT** place the thermal camera anywhere with a live electrical charge. This increases the risk of electrical shock.



- Using the device for operations different from those intended can result in a hazardous situation.
- Use only manufacturer-recommended accessories for your equipment.
- **Keep handles dry and clean;** free from oil and grease. Clean, dry handles allow for better control of the equipment.
- **The thermal imager is IP54 rated against debris and water ingress.** However, the thermal imager must not be exposed to debris and water while the media or USB port door is open or otherwise unsecured, or permanent damage to the electronics or performance may occur.
- The service life of the thermal imager depends in part on how it is used and the environmental conditions in which it is used. Under heavy usage, or under extreme environmental conditions, the service life of the equipment may vary.

### **LASER SAFETY (only for devices equipped with a laser feature)**

- Some Teslong thermal cameras are Class 3B laser products and can potentially cause eye damage if proper safety guidelines are not followed.
- Never look directly into the beam or direct the beam toward other people, animals, or reflective surfaces.
- **DO NOT** modify or alter the laser product in any way. Any modifications or alterations can increase the risk of injury.
- Always follow the manufacturer's instructions for the use, maintenance, and storage of the laser product.

- Keep the laser product out of the reach of children and untrained individuals.
- Never point the laser at aircraft, vehicles, or other moving objects.
- If the laser product requires servicing or repair, contact the manufacturer or a qualified technician who is trained in laser safety.
- Keep the area around the laser product clear of any combustible materials or flammable liquids.

### **FIREARM SAFETY (only for devices compatible with firearms)**

- Always treat a firearm as if it is loaded, even if you believe it is not.
- Always point the firearm in a safe direction, away from yourself and others.
- Keep your finger off the trigger at all times.
- Remove the magazine and open the chamber to visually confirm that the firearm is unloaded.
- **DO NOT** rely solely on the firearm's safety mechanism to prevent accidental discharge.
- Secure the firearm on a stable surface or in a vise to prevent it from moving when mounting the thermal camera.

## EQUIPMENT CLEANING

- Turn off and unplug the device before cleaning.
- Clean the camera lens before and after each use with a soft, dry microfiber cloth.
- **DO NOT** use any solvents to clean the lens of the thermal camera.
- Do not wipe or press the lens of the borescope excessively, it may damage the lens.
- The screen and monitor can be rid of dust and fingerprints by using a microfiber cloth and a few drops of warm water or rubbing alcohol.
- Never use abrasive cleaners, chemicals, or solvents as they can damage the device's surface or internal components.
- Avoid getting moisture in any openings or ports of the device.
- Allow the device to fully dry before plugging it in or using it.

## EQUIPMENT STORAGE

- Store the device in its plastic case when not in use.
- Store idle equipment out of the reach of children and **DO NOT** allow persons unfamiliar with the equipment or these instructions to operate the equipment.

- For best performance and accurate scene colorization, always store the thermal imager indoors or in a room temperature environment (20° C/68° F). **DO NOT** leave the thermal imager exposed to cold environments.
- Make sure the power is turned off before putting the device into the carrying case.
- **DO NOT** store the product in a high temperature or high humidity environment.
- Store the device away from sharp objects, heavy items, or anything that could cause damage to it.
- **DO NOT** shake the product violently during storage or transportation.
- Avoid storing the device near magnets or devices that generate strong magnetic fields.
- If storing the device for an extended period, ensure it is fully charged and turn it off completely.
- If the device will not be used for an extended period, charge the device at least once every 3 months to avoid the battery discharging completely and risking permanent damage.

## SERVICE

- Before seeking service, check the device's user manual to see if any common issues can be quickly resolved.
- If the issue persists, contact customer service to troubleshoot the problem and determine if the device requires additional service.
- **The thermal camera contains no user-serviceable components.** Contact the Teslong customer service team if your device requires service.
- Package the device carefully, using appropriate padding and shipping materials to prevent damage during transit.

- Include a detailed description of the issue and any relevant information about the device (e.g., proof of purchase, purchase date) with the device.
- If the device is still under warranty, provide proof of purchase or warranty information to ensure the service is covered.
- After the device has been serviced, follow the manufacturer's instructions for re-installation and setup.
- Only have your equipment serviced by Teslong warranty personnel. This will ensure that the safety of the tool is maintained.

## DISPOSAL

- **Dispose of the device in accordance with local laws and regulations regarding electronic waste (e-waste) disposal.** This may involve taking the device to a designated e-waste recycling facility or drop-off location.
- If possible, remove any batteries or other hazardous components from the device before disposal and dispose of them separately in accordance with local laws and regulations.
- If the device contains sensitive data or information, ensure that it is properly erased or destroyed in order to protect against potential data breaches or identity theft.
- **DO NOT** dispose of the device in regular trash or recycling bins, as this can pose a hazard to sanitation workers and the environment.
- If the device is still in working condition, consider donating it to a local charity or educational institution instead of disposing of it.

## CUSTOMER SERVICE

- If you have any questions about the operation of a Teslong product, email, chat, or call the Teslong customer service team at **support@teslong.com**, **Teslong.com**, or **877.899.8809**. Our staff is standing by to assist you 8am-5 pm PST. We will get back to you as soon as possible.



