

If the mirror is still soiled, lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol, or acetone. Hawkeye lens cleaner works well on fingerprints and dust...use acetone on oil or grease. Gently clean the mirror with the fewest strokes necessary, taking special care not to drag debris across the mirror surface. Lightly wipe with a dry swab to eliminate smearing.



SuperNOVA Recharging

The charging cradle has contacts that mate with the contacts on the SuperNOVA.



Plug the charger into a power outlet and slide the SuperNOVA into the charger until the contacts engage.



The charger indicator light will glow continuously while charging, and flash when the unit is fully charged. This takes about 2.5 hours when the SuperNOVA has been fully discharged. A fully charged unit will run continuously for approximately 1 hour.



SuperNOVA Bulb Replacement

Thread the head of the SuperNOVA off to reveal the bulb.



When the bulb is cool pull it out of its socket.



The SuperNOVA is shipped with a spare bulb stored in the foam inside the end cap. Twist off the end cap and remove the bulb.



Line up the pins on the new bulb with the holes in the socket and carefully push the bulb completely into the socket. Be careful not to bend the pins.

Reinstall the end cap onto the SuperNOVA handle. Clean the bulb glass with a cotton swab or tissue moistened with alcohol to remove any finger oils or grease that may be on the surface. Reassemble the head onto the SuperNOVA.

Connection to Video

Any Hawkeye borescope can be connected to an optional video camera, allowing you to view images on laptop and desktop computers, and video monitors. Still photos, and video footage, can also be documented, stored, and e-mailed. Call your Gradient Lens sales representative for details at 800-536-0790.



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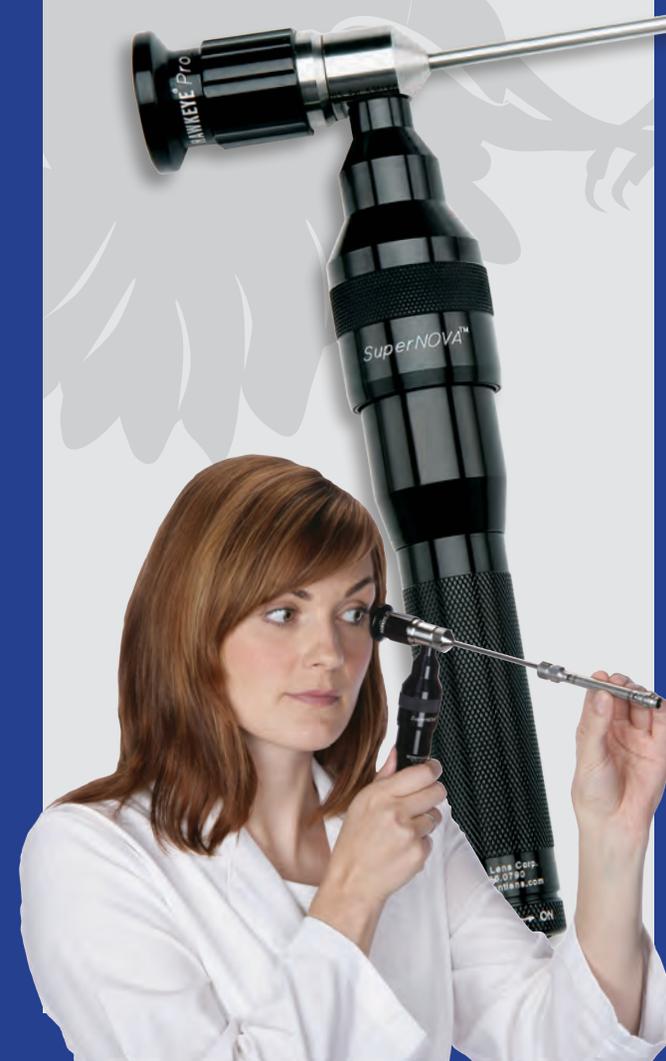


User Guide

PRECISION BORESCOPIES

HAWKEYE PRO RIGID

Precision Borescope





Hawkeye® Pro Precision Borescopes

Hawkeye Pro Precision Borescopes are among finest optical instruments in the world. Proudly made in the USA, Hawkeyes are constructed using the highest quality materials, including our patented endoGRINs e2 relay lenses. The end result is the sharp, bright, clear images Hawkeye Pro's deliver!

PRECISION BORESCOPIES



Hawkeye SuperNOVA™

The rechargeable Hawkeye SuperNOVA Light Source and Battery Charger are included in all Hawkeye Pro kits. For continuous use or maximum light output, AC-powered Luxxor® Light Sources are sold separately and are compatible with all Hawkeye borescopes.

Hawkeye Pro Kit



Setup

Holding the head of the SuperNOVA, thread it onto the borescope's light post.



Turn the SuperNOVA on and off by turning the switch at the base of the handle.



With the light turned on, hold the head of the SuperNOVA and position the tip of the scope about an inch from a light colored surface. Turn the handle to create the brightest, most even circle of light. Please note: the SuperNOVA will become warm to the touch after extended use.



Operation

Inserting the Borescope: Without bending the borescope tube, carefully insert it into the object to be inspected. Do not strike the tip of the borescope against anything as this may damage the objective lens.



Light Adjustment: While looking through the scope, dim the SuperNOVA light by rotating the handle if the subject area is too bright.

Focusing: Turn the borescope's Focusing Ring to create the sharpest image.

When finished viewing, slowly withdraw the borescope, being careful again to not bend the tube. Remember to turn the light source off.



Using the Mirror Tube

Holding the borescope in one hand and the Hawkeye Mirror Tube in the other, slide the borescope gently into the Mirror Tube until fully seated. While looking through the scope, use the knurled knob to rotate the direction-of-view 360°. The groove in the knurled knob indicates the direction-of-view.



Borescope Cleaning

Use canned air to blow dust and grit off the objective lens and eyecup window surfaces.



Lightly dampen a cotton swab with Hawkeye lens cleaner, isopropyl alcohol or acetone. Hawkeye lens cleaner works well on fingerprints and dust... use acetone on oil or grease. Gently clean the lens window with the fewest strokes necessary. Lightly wipe with a dry swab to eliminate smearing.



Mirror Tube Cleaning

Turn the light on and pull the scope out of the Mirror Tube about one inch. Dust, dirt and grease on the mirror surface will be highlighted.



Use canned air to blow dust and grit off the mirror surface, then recheck the mirror.

