

Your Eye Inside™

Hawkeye V3 Plus

HD quality photos & video... Wi-Fi remote viewing, and more!



V3HD



VIDEO BORESCOPIES

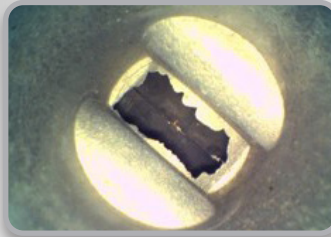
gradientlens.com/V3 Plus

800.536.0790

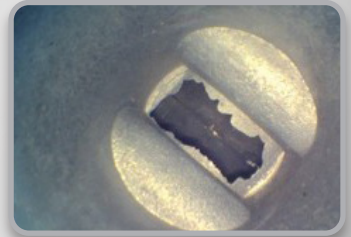
Made in USA

WiFi to iPhone & iPad, Anti-Glare, Smartphone Features, & more...

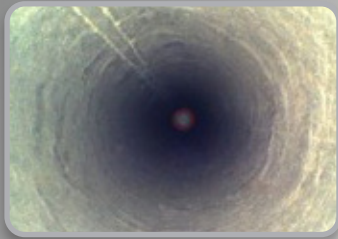
V3 HD



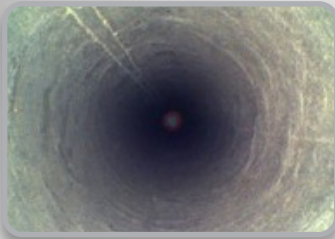
Anti-Glare Off



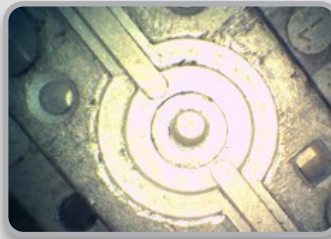
Anti-Glare On



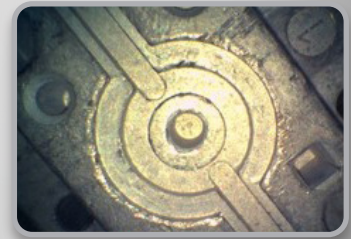
Weighting Off



Edge Weighting On



Weighting Off



Center Weighting On

Smartphone Touchscreen Features



Select



Pinch-to-Zoom



Swipe to Scroll



WiFi & HDMI Connections!

Hawkeye® V3 HD+ can transmit live inspection images and video, via WiFi, to any iOS device including iPad and iPhone. Images and video can also be displayed on a desktop monitor via an HDMI connection.

Joystick Controlled Servo-Driven Articulation, 5.7" Touchscreen, Easy HD Video & Photo Capture For V3 Plus

**Tube Rotation
Feature**

**5.7" Touchscreen
HD Display**
Daylight Readable

**Intuitive User
Interface**

Joystick Controlled
4-Way Servo-Driven
Articulation

**Durable Tungsten
Sheathing**
With 4-Layer Construction

Center & Edge Exposure Weighting

Close-Focus Tip
(Optional)

90° Prism Tip
(Optional)

6 -Hour Battery

**Micro HD
Camera**

Wi-Fi Connection
View on iPhone
and iPad

**USB Memory
+ HDMI Out**

**Headphone/
Mic Jack**

**Adjustable Super-
Bright Micro LED
Illumination**

**Unique Anti-Glare
Feature**

HD Video Capture

HD Image Capture

**4mm and 6mm
Outer Diameter**

1. Ruggedized camera and optics
2. Custom-designed articulation collars for smooth function
3. Laser welded joints for strength
4. Durable multi-layer construction with Tungsten braid outer layer and stainless steel monocoil inner layer



Intuitive Touchscreen Control



Easy Operator Controls

User friendly controls on the handle include articulation home, center and edge weighting, image and video capture, anti glare, lighting control and menu access. Menu functions can be controlled with touchscreen or joystick.

On-Screen Menu

With easy-to-use menu and file manager, users can select where to save images and videos. Settings include auto save, confirm save, and user defined folders. Notes can be added when viewing the stored image resulting in a Microsoft Word report file.

On-Screen Articulation Tracker



Intuitive User Interface

Intuitive graphics are navigated using either touchscreen or joystick. User settings options include defining on screen status indicators, text overlay, audio/mic, flipping and mirroring, time and date, WiFi and power save mode.

Everything You'll Need all in a



Standard Kits Include:

- Hawkeye® V3 Plus HD+ Video Borescope
- Rugged Hawkeye® Carrying Case
- Battery Charger
- 16GB USB Flash Drive

Hawkeye® V3 Plus HD+ Specifications

| Model | V3Plus04022004 | V3Plus06033004 | | |
|-----------------------------------|--|----------------|--------|--------|
| Diameter | 4mm | 6mm | | |
| Length | 2.2m (7’2’') | 3.3m (10’9’') | | |
| Articulation | 4-Way (+/ 160) | 4-Way (+/ 160) | | |
| Direction of View | 0° | 0° | | |
| Field of View | 70° | 70° | | |
| Depth of Field | 18mm to ∞ | 18mm to ∞ | | |
| Outer Sheath | Tungsten | Tungsten | | |
| Inner Sheath | Stainless steel mono-coil with outer polymer layer | | | |
| Min. Bend Radius | 32mm | 45mm | | |
| Weight | 5.4 lb. | 5.4 lb. | | |
| Certified | CE | CE | | |
| Color Camera | 1280 x 720 p Color CMOS sensor | | | |
| Illumination | Integrated white LED | | | |
| Display | 5.7”, HD, touchscreen, high brightness, daylight readable | | | |
| Interface | HDMI, USB 2.0 flash memory, USB micro b for computer interface, 3.5mm headphone/mic jack | | | |
| Recording Media | USB thumb drive | | | |
| Image Capture Format (resolution) | JPEG (1280 x 720p) | | | |
| Video Capture Format (resolution) | MPEG4 (1280 x 720p) | | | |
| Internal Memory | 1GB (approximately 1,800 images or 18minutes of video) | | | |
| Display battery | 6 hr. run time, 14.4V, 92Wh lithium ion | | | |
| Power | AC Input: 100 240 VAC, 50 60 Hz, 1.5 A Max, DC Output: 24V, 2.5 A | | | |
| 90° Prism Tips (Opt) | | | | |
| Direction of View | 90° | 90° | 90° | 90° |
| Field of View | 70° | 70° | 70° | 70° |
| Depth of Field | 18mm to ∞ | | | |
| Tip Outer Diameter | 4mm | 4mm | 6mm | 6mm |
| Close-Focus Tips (Opt) | | | | |
| Direction of View | 0° | 0° | 0° | 0° |
| Field of View | 70° | 70° | 70° | 70° |
| Depth of Field | 6-35mm | 6-35mm | 6-35mm | 6-35mm |
| Tip Outer Diameter | 4mm | 4mm | 6mm | 6mm |

Hawkeye® V3 Plus HD+ Specifications

Environmental

| | |
|--------------------------------------|--|
| Sheath operating temperature in air: | -25°C to 80°C (-13 to +180 F), in water 10°C to 30°C (50-86 F) |
| Storage temperature, entire unit | -30°C to 60°C (-22 to +140 F) |
| Air pressure: | 1 atmosphere |
| Humidity: | 5-95% relative humidity |
| Fluid resistance of sheath | Resistance to water up to 5% salinity and most oils (except hydraulic fluid) |
| Water resistance of sheath | IP67, Waterproof to 9 ft. (4 psi/.275 bar) |
| Borescope handle and monitor | IP64, Splash resistant |

Gradient Lens provides no guarantee without a specific material test.

V3 HD+ Video Borescope Interface

| | |
|-----------------------------|---|
| Quick access interface | Intuitive image and video capture function |
| Digital zoom | 5x (Touchscreen operation) |
| Image rotation | Yes |
| Mirrored image | Yes |
| Time and date | Yes |
| Anti-Glare | Yes |
| Center and edge weighting | Yes |
| WiFi | Yes, via app iOs device only |
| External screen display | Yes, HDMI |
| Text annotation | Yes |
| Menu language selection | Yes |
| Memory device | USB Flash drive (16GB USB flash drive included, approximately 30,000 images, 4.5 hours video) |
| Image capture format | JPEG |
| Video capture format | MPEG4 |
| Playback of captured images | Any program that supports JPEG |
| Playback of captured videos | Windows media player |
| Input/output connections | HDMI, USB 2.0 flash memory, USB Mini B for computer interface, 3.5mm headset/mic jack |



PRECISION BORESCOPIES

Hawkeye® Pro MicroFlex Borescope

HSF 005 0500 55

.5mm OD (.020"), 500mm Length, 55° FOV, 0° DOV



HSF 005 0500 55

| Diameter | Length | DOV | FOV | Pixels | Sheath | Model |
|--------------|----------------|-----|-----|--------|-----------|----------|
| .5mm (.020") | 500mm (19.68") | 0° | 55° | 10,000 | Polyamide | Flexible |



Every Hawkeye® Pro MicroFlex Borescope Includes:

- Hawkeye® Pro MicroFlex Borescope
- C-Mount Adapter
- Rugged Carrying Case
- Hawkeye® Cleaning Kit

(Light sources and light guides sold separately)

The excellent image quality the Hawkeye® Pro MicroFlex Flexible Borescope delivers, in this very small diameter is nothing short of amazing. You can access even the smallest opening, and utilize a 9-inch bend radius when the entry path is not straight. The polyamide sheathed .5mm have 10,000 pixels.

The eyepiece is easily replaced with a video adapter to use a C-Mount camera. Quickly and easily inspect cooling holes inside turbine blades, cannulas, catheters, needles, trocars, valves in medical devices, and many other micro manufactured parts.



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V3 HD