

INSPEKTOR HD



The INSPEKTOR HD is a high resolution, wireless video inspection tool that allows an operator to make a safe visual assessment in a dangerous or confined space.

- Full HD resolution – 1080P video
- Ergonomic handle with integrated system controls
- 6+ Hour rechargeable battery
- Rugged 5” Tablet mounts on pole, wrist or chest; 10” Tablet also available
- All camera functions can also be remotely controlled using the tablet’s touchscreen
- Multiple cables and telescopic pole lengths from 3’ – 30’ available
- View multiple systems live, simultaneously with optional network bridge accessory
- Manual and motorized remote camera articulation available; pan +/- 120 degrees
- Interchangeable cameras: IR black and white, self-illuminated color 10x and 30x optical zoom, dual view thermal
- Dedicated software application supports still image capture and video record
- Low latency wireless video with safe and secure WPA2 encryption (supports fully-wired operation)

The INSPEKTOR HD design maximizes its suitability for use in many different industrial inspection applications by offering interchangeable video camera modules. They can be switched in the field to enhance the effectiveness of the system.

The system has been engineered to offer the highest resolution images, that are viewed on a specially configured, rugged, 5” or 10” tablet. The images can be transmitted via wired or wireless methods, and the phone display can be pole, or wrist-mounted.

The weather-resistant control handle offers integrated push buttons that facilitate all operations, including, illumination level control, still image capture, video record, zoom functions and motorized camera pan controls. These functions can also be remotely controlled using the tablet’s touchscreen. The handle accepts a rechargeable lithium-ion battery that has an easily viewable, built-in battery charge level indicator.





Technical specifications:

Rugged Tablet:

Display Size:	Optional 5" or 10"
Monitor:	Sunlight readable 5-inch LCD with adaptive brightness (adjust brightness based upon lighting conditions)
Vibration/Shock/Drop:	MIL-STD-810G (can withstand a 4ft drop)
Operating Temperature Range:	14° to +122°F (-10 to +50°C)
Storage Temperature Range:	-4° to +158°F (-20° to +60°C)
IP Rating:	IP65 (dustproof and water-resistant)
Battery:	Hot swappable, for continuous operation
Memory:	Built-in 16GB flash memory; 16Gb/32Gb removable uSD card
Built-in speaker and microphone:	Yes

App Features:

Immediately loads and connects to the camera upon booting the tablet
Records snapshots and videos
Responds to buttons pressed on the HD Handle
Controls any INSPEKTOR-HD camera or motorized pole
Able to set file name prefix for easy file identification

Pole:

Construction:	Carbon fiber, 4 sections, 3 rubberized twist grip collars
Collars:	Rugged, break-proof, easy-grip, twist collars for each pole section
Articulation:	Motorized. High torque motor with an integrated gearbox with 2 user-programmable speeds (high/low).
Extended Length:	from 6ft. to 16ft are available
Weight:	5.53 lbs. to 7lbs (depends on configuration)

Case:

Construction:	Rugged, watertight, plastic carry case with foam inserts having compartments for all components.
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Camera Head (HD 10X Zoom Camera):

Construction:	Submersible enclosure with hard-coated window (IP68 (33ft/10M))
Size & Weight:	2.75in (d) x 4.6in (l); 70mm (d) x 117mm (l)
Zoom:	10X optical zoom and 32:1 digital zoom (320X total)
Sensor Type:	2MP Panasonic CMOS
Resolution:	1920 (h) x 1080 (v) @30 FPS, 1280 (h) x 720 (v) @30FPS
Sensitivity:	0.5 Lux (.125 DSS)
Field of View - Horizontal:	4.9° to 54°
Illumination:	3 White LEDs w/reflectors
LED Wavelength/Power:	White/280Lumens
Image stabilizing:	Yes
Internal microphone:	Yes
Effective Distance in Good Ambient Light:	1ft to 200ft + (.3m to 60m+)
Effective Distance in Complete Darkness:	1ft to 100ft + (.3m to 30m+)

Interchangeable dual view thermal, IR black and white, self-illuminated 30:1 color zoom are also available.

HD Handle:

Construction:	Lightweight impact-resistant enclosure with internal aluminum frame
Indicators:	Power LED, Illumination LED, 17 LED circular array for motorized articulation angular position
Power Switch:	Recessed alternate action push-button switch
Keypad:	9 buttons – Illumination Up, Illumination Down, Zoom in, Zoom Out, Tilt Up, Tilt Down, Enter, Snapshot and Video Start/Stop
Connector:	Allows for hardwired connection to either a tablet/computer or wired network
Radios	802.11 b/g/n, 25mw, dual internal antennas
Range:	30ft (10M) to 100ft+ (30M+) depending upon tablet performance
Standard battery:	With molded battery cap, Lithium-ion Smart Battery with built-in fuel gauge and LCD, 10.8V, 3.4Ah 3.5in (l) x 3.6in (h) x 1.6in (w) (89mm x 91 x 40mm); .53lbs (.24kg)