



Ash Technologies Ltd. B5, M7 Business Park Naas,

Co. Kildare, Ireland. +353-45-882212 info@ash-vision.com





Inspex HD 1080p Uesa FI801-018

The Inspex HD 1080p is a high definition camera inspection system offering superb 1080p full HD image quality, colour reproduction, contrast and resolution. Its versatile design makes it compatible with a wide range of mounting options. Real-time on-screen dimensioning is provided by integrated XY grids and cursors.

Key Features:

- Accurate & detailed inspection with superb HD image resolution, dynamic range of magnification levels & integrated LED illumination.
- Real-time on-screen dimensioning provided by integrated XY grids & cursors
- Less operator fatigue & improved production efficiencies due to ergonomic design enabling user to sit or stand in a comfortable and safe posture providing relief from back, neck and eye strain typically associated with traditional microscopes.
- Easy documentation & traceability for accurate quality control records using image capture to USB key.

Applications:

The Inspex HD 1080p is suited for repair & rework, quality control & failure diagnosis processes in industries such as: Automotive, aviation, electronics, engineering, forensics, jewellers, medical devices, packaging & labelling, pharmaceuticals and security.



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KPI External Keypad FI 801-008

The optional KP1 unlocks integrated real-time on-screen dimensioning grids and cursors. It also allows access to a variety of functions including 3 Memory Presets, Exposure and Focus, Zoom, Brightness, LED Intensity, Image Capture...

MAGNIFICATION								
Lens	Focal	Max	Min	Minimum	Maximum	Field of view at	Field of view at	Depth of field
(Dioptre)	Distance	Height	Height	Magnification*	Magnification*	minimum mag.	maximum mag.	
(mm)	(mm)	(mm)		Optical/Digital		(mm)	(mm) Optical/Digital	
4	250	250	205	1.8	51/98	X: 280	X: 10.2/5	100mm @1.8x
						Y:164	Y: 5.5/2.4	10mm @10x
5	200	200	170	2.3	62/122	X: 225	X: 7.9/3.9	80mm @2.5x
						Y: 130	Y: 4.2/2.1	6mm @10x
10	100	100	90	4.4	121/237	X: 70	X: 5/2.4	2mm @30x
						Y: 63	Y: 2.2/1.1	0.5mm @50x

Technical Specifications

Specifications	Vesa (F1801-018)	Table (FI 801-017)
Zoom Range (with supplied lens)	5D Lens - 2.3x to 122x	4D lens – 1.8x to 98x
Camera Resolution	HD 1080p, 1980 x 1080 at 50/60 Hz	HD 1080p, 1980 x 1080 at 50/60 Hz
Monitor Connections	HDMI / DVI	
Monitor Requirements	nents HD Ready or Full HD (recommended)	
Dimensions	37cm x 12cm x 14cm	Table 24cm x 41cm
		Folded Height 11cm, Raised Height 42cm Weight
Weight	1.2kg	2.5kg
Power	8 Watts	
Operating Temperature	Storage: -10 C to +60C	
	Operating +5C to +40C	
Image capture	USB 2.0 highspeed	





Inspex HD 720p

The Inspex HD 720p is a high definition camera inspection system offering HD image quality, colour reproduction, contrast and resolution. Its versatile design makes it compatible with a wide range of mounting options. Real-time on-screen dimensioning is provided by integrated XY grids and cursors.



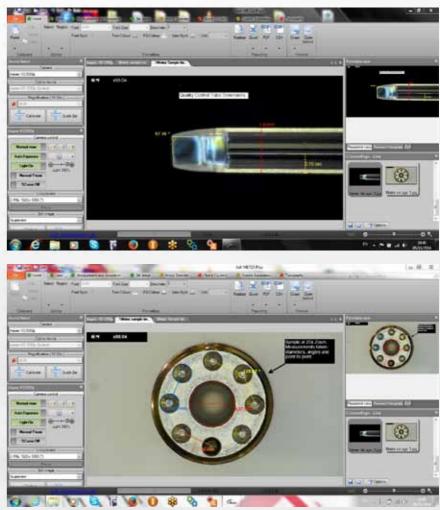
Data Capture Software FI 801-007

The optional capture cable allows Inspex HD 720p to save a HD frame to PC. Images can then be used for further processing or measurement analysis.



Technical Specifications

Specifications	Inspex HD Table FI 801-011	Inspex HD VESA FI 801-010
Zoom range	4D lens – 2.0x to 48x	5D Lens – 2.5x to 60x
(with supplied lens)		
Camera resolution	HD 720p, 1280 x 720 at 50/50 fps	HD 720p, 1280 x 720 at 50/50 fps
Monitor connections	HDMI/DVI	HDMI/DVI
Monitor requirements	HD ready 720p with DVI or HDMI input	HD ready 720p with DVI or HDMI input
Dimensions	Table area: 24 x 41 cm, Folded height: 9cm	45cm x 12cm x 10cm
	Raised height: 40cm	
Weight	1.1kg	1.1kg
Power	8 Watts	8 Watts
Operating temp.	Storage: -10°C to +60°C	Storage: -10°C to +60°C
	Operating: +5°C to +40°C	Operating: +5°C to +40°C





Metex PC Measurement Software

The perfect Inspex partner, by any measure! Metex allows advanced measurement and live Full HD Video to your PC. With the included USB 3.0 interface Metex is ready to go out of the box.





Point to Point Measurement Annotation Image Comparison

Key Features:

- Obtain detailed dimensions for non-contact testing
- Angle, radius, centre point distances and perimeter values
- Annotation with customisable colours and font types
- Image Comparison
- View and record Full HD images and video
- Metric and Imperial units
- Output reports in common formats such as excel, pdf, csv Multiple Languages

System Requirements & Specifications

Hardware	Compatible with most m
Operating System	Windows 7,8,8.1
CPU	The processing of the vio
Video Output	Up to 1920 x 1200 60fp
Dimensions	84.25 x 42.80 x 12.60 (I
Power	<= 2.5W
Operating Temperature	Operating: 0 - 50 C
	Storage: -20 – 70 C



HD

FULL



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Output Reports



Multiple Languages

najor chipsets and expended USB 3.0 via PCIe Gen1.1 x1, USB 2.0 deo is done by the ASH Interface and will not occupy the CPU (LxWxH mm)



ion 4.3" Inspection Magnifier FI 800-102

The lon 4.3 is an award winning inspection magnifier that provides a crystal clear image for the user. Suitable for quick and immediate use, the lon is fast to start, comfortable to hold and highly intuitive to use as the product has been designed to replicate the look and feel of an optical magnifier.

The lons display delivers an unrivalled sharp, bright and high contrast image. The lon 4.3s stunning colour image and wide viewing angle provides comfortable use in awkward to access places and in poor lighting conditions. Its unique patent applied for dimensioning grids and cursors enhance the capability and efficiency of decision making for inspection operators and technicians.

Key Features:

- Accurate & detailed inspection of a wide variety of objects enabled through lossless image quality & super sharp magnification up to 14x with high resolution TFT display and adjustable LED illumination.
- Instant on screen measurement for quick & cost effective quality assurance provided • by integrated on screen XY dimensioning grids & cursor functions.
- Easy recording & traceability of one hundred images with date stamp using image capture software for accurate quality control records.
- Mobile visual inspection tool suitable for awkward to access areas & poor lighting conditions due to its compact, portable design.
- Unique Liquid lens technology provides a wide focus range, fast response time, excellent optical quality & low power consumption

Technical Specifications

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Specifications	Ion 4.3 FI 800-102
Screen size and resolution	4.3" diagonal TFT display, 480x272
Magnification	Far focus: 4x-8x & Near focus: 7x-14x
Image storage mode	100 images in 480 x 272 pixels, 24-bit bitmap format transferable to PC via USB link
Depth of field	3.5cm in overview, 1.5cm close
Dimensioning cursors/grids	Yes
Sensor	3MP CMOS, RGB565 video at 30fps
Battery – Lithium Ion	Up to 5 hours, charge time 4 hours
Connection cable	Micro USB cable
Charger supply	100V – 240Vac 50/60Hz with supplied adaptor
Unit supply voltage	5V dc, micro-USB connector
Weight	225 grams







ion 4.3 Inspection Magnifier

S T D



Attaches to microscope stand

Vista HD FI 802-002

The Vista HD is a fully integrated, high definition camera inspection system where HD camera, LED lighting & 19" monitor are contained in one single unit for fast, ergonomic and reliable optical inspection.

Key Features:

- Accurate & detailed inspection of a wide variety of objects enabled by high quality HD image resolution, and a high performance HD camera with integrated LED illumination.
- Instant on screen measurement for quick & cost effective quality assurance provided by integrated on screen XY dimensioning grids & cursor functions.
- Suitable for in line quality assurance inspection processes using a unique 19" integrated display with all features & functions integrated to the one unit.
- Less operator fatigue & improved production efficiencies due to its ergonomic design enabling people to adjust their work position and allowing for group discussions & training.

Technical Specifications

Specifications	Vista HD FI 802-002
Dimensions	45cm x 31cm x 12cm
Weight	3.95kg
Screen Size	19" display
Zoom	+3D lens as standard: Zoom range: 1.35x to 37x
Camera resolution	HD720p 1280x720 50/60 Hz
Power	48 Watts

Optional Accessories

KP1 Keypad FI 801-008

Features:

- Activate Integrated XY Grids & Cursors for Dimensioning
- Camera, lighting functions & settings
- · Adjust object viewing position using customisable on screen cross hairs
- Magnification, auto/manual focus & exposure
- 3 memory programmable pre-sets
- High contrast mode for enhancing objects like IC's
- Image freeze and capture of images to PC using capture cable

Metex Measurement Software FI 803-001

- Obtain detailed dimensions for non-contact testing
- · Angle, radius, centre point distances and perimeter values
- Annotation with customisable colours and font types
- Image Comparison
- View live Full HD Video and Capture images
- Metric and Imperial units
- Output reports in common formats such as excel, pdf, csv
- Multiple Languages
- Compatible with Win XP, Vista, 7 & 8
- USB 3.0 PC Interface Included

Data Capture Software FI 801-007 for Inspex HD 720p

- Allows you to instantly capture a HD frame
- · Images can then be used for further processing or measurement analysis
- Images can be easily stored in a variety of common formats including bitmap, JPEG & TIFF









For full details please visit www.ash-vision.com

Diffused LED Dome Light

AI 100-001





Available Attachments (sold separately):

- Single or Dual Gooseneck AI 100-005, 004
- Ring Light AI 100-006
- Colour Filter Kit AI 100-003
- Polarizer AI 100-007



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