





















HDMS800 / Omni HD 1080p Digital Microscope and Measurement System

	<p>HDMS800</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output. No stand.</p>
	<p>HDMS800-TSBL</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output including track stand with back lighting.</p>
	<p>HDMS800-TS</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output including track stand.</p>
	<p>HDMS800-DU</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output including dual gliding arm stand.</p>






	<p>HDMS800-AC</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output including articulating arm stand clamp type.</p>
	<p>HDMS800-AP</p>	<p>HDMS800 HD 1080p Digital Microscope and Measurement System 2.5x—237x with HDMI and USB Output including articulating arm stand bolted screw type.</p>
	<p>14860</p>	<p>OMNI 1080p 1080p Digital inspection station with 5D lens system Magnification range 2.5x - 122x Camera resolution - 1080p, 1980 x 1080, 60fps DVI and HDMI output, four USB 2.0 ports, RJ45 Ethernet connector for networking, three general purpose I/O port, DC 24v power jack Internal image storage, removable USB image storage, USB on the go (PC Connectivity) Integrated LED ring light with intensity control Wireless keyboard and wireless mouse included</p>
	<p>14835</p>	<p>Illuminated Track Stand for OMNI Dual focus block has coarse and fine focus adjustment Weighted base for increased stability Integrated illumination with brightness controls 390mm (L) x 300mm (W) x 510mm (H) (Shown with 14860 and sold separately)</p>
	<p>14836</p>	<p>Track Stand for OMNI Dual focus block has coarse and fine focus adjustment Weighted base for increased stability 390mm (L) x 300mm (W) x 510mm (H) (Shown with 14860 and sold separately)</p>

	15636BB-OMNI	<p>Ball Bearing Boom Stand for OMNI Dual arm boom with extended reach for viewing large areas Horizontal arm with bonder port and focus block Weighted base for increased stability 584mm (L) x 260mm (W) x 400mm (H); footprint: 260mm (L) x 260mm (W) (Shown with 14860 and sold separately)</p>
	14838	<p>Flex Arm Stand for OMNI - Bench Clamp Multi-point adjustable arm for extended reach for viewing large areas Focus block included Shown with bench clamp (Shown with 14860 and sold separately)</p>
	14839	<p>Flex Arm Stand for OMNI - Table Base Multi-point adjustable arm for extended reach for viewing large areas Focus block included (Shown with bench clamp) (Shown with 14860 and sold separately)</p>

HDMS800/Omni Auxillary Objectives


	14874	10x Lens
	111-15-03	0.3x achromat objective - N.A. 0.03, working distance 280mm
	111-15-05	0.5x plan apochromatic objective - N.A. 0.05, working distance 126mm
	111-15-05A	0.5x achromat objective - N.A. 0.05 working distance 186mm
	111-15-01	1.0x plan achromat objective - N.A. 0.09 working distance 78mm
	111-15-02	2.0x plan achromat objective - N.A. 0.02 working distance 32.5mm

HDAF700 HD 720p Digital Microscope



	HDAF700-US	Auto-Focus HD Camera System including Universal Stand with 15" Vertical Pole and integrated LED lighting and controls panels. WD from 200mm (7.9") to 165mm (6.5"). Video Magnification from 2x to 60x on 22 inch monitor. (5+ Lens) Monitor NOT included.
	HDAF700-TS	Auto-Focus HD Camera System including table stand and integrated LED lighting and controls panels. WD from 250mm (9.8") to 195mm (7.7"). Video Magnification from 2x to 55x on 22 inch monitor. (4+ lens). Monitor NOT included.
	HDAF700-BS	Auto-Focus HD Camera System with integrated LED lighting and controls panels. Cross hair with differnt color options. WD from 200mm (7.9") to 165mm (6.5"). Video Magnification from 2x to 60x on 22 inch monitor. (5+ lens). Including black stand with 18 inch height adjustment and 16" throat depth for large to small parts. Monitor NOT included.
	HDAF700-UV	Auto-Focus HD Camera System including Universal Stand with 25" Vertical Pole, VESA mount for monitor, integrated LED lighting and controls panels. WD from 200mm (7.9") to 165mm (6.5"). Video Magnification from 2x to 60x on 22 inch monitor. (5+ Lens) Monitor NOT included.
	HDAF-VESA	Auto-Focus HD Camera System with VESA mount and integrated LED lighting and controls panels. WD from 200mm (7.9") to 165mm (6.5"). Video Magnification from 2x to 60x on 22 inch monitor. (5+ Lens) Monitor and Stand NOT included.

Options:


	HDAF-CAP	HD Data Capture USB Option
	MTX	Measurement and Image/Video Capture Software with HDMI input and USB 3.0 interface. Works with both HDAF700 and HDAF800. Customer to supply their own computer with USB 3.0 port.

	MTX-PLUS	Measurement and Image/Video Capture Software with HDMI input and USB 3.0 interface. Works with HDAF800. Customer to supply their own computer with USB 3.0 port. (Same software but you can control the camera using your PC keyboard / mouse).
	SMC-MCR-CS	Stage Micrometer for Calibration (Inch: 1" to 0.1" to 0.01" to 0.001" and mm: 25mm to 1mm to 0.1mm to 0.02mm)
	SMC-814-NIST	Stage Micrometer for Calibration (Inch: 1" to 0.1" to 0.01" to 0.001" and mm: 25mm to 1mm to 0.1mm to 0.02mm). Including also NIST calibration certificate
	M24	24" HD MONITOR
	HD-CAP	External box for image and video capture to USB drive. Connections are HDMI input/output
	HDMI-2	HDMI splitter and qty. 2 HDMI cable



ION with Measuring GRIDS

	HD-PAD	HD-PAD with image capture and measurement grid.
	14825	enFOCUS Digital Microscope 3MP CMOS sensor, 30 fps with 4.3" digital screen, 480 x 272 resolution Close-up magnification levels: 7x - 14x, Far focus magnification levels: 4x - 8x Adjustable dimension grids for X and Y Micro USB connector for image transfer Integrated LED illumination, with on/off control Stores up to 100 images, Integrated lithium ion rechargeable battery allows for up to 5 hours of operation on a single charge Image freeze function
	14822	enFOCUS Hard Case

HDAF800 Stand Options:





	14831	Ergo Track Stand for Inspec HD 1080p Vesa Focus block has fine focus adjustment and travels the length of the post Aluminum base made to reduce vibration 535mm (L) x 300mm (W) x 500mm (H)
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	14832	<p>Ergo Transmitted Illuminated Track Stand for Inspex HD 1080p Vesa Integrated light in base with intensity control Focus block has fine focus adjustment and travels the length of the post Aluminum base made to reduce vibration 535mm (L) x 300mm (W) x 510mm (H)</p>
	14842	<p>Articulated Arm Stand for Inspex HD 1080p Vesa and Monitor Ergonomic LCD monitor arm supports monitors up to 12kg on a 35mm diameter pole Monitor +/- 90° tilt or angle positions; portrait or landscape orientation Provides up to 470mm (18.5") of reach and variable height adjustment Pole height: 700mm; Arm extension: 70-470mm Folds to within 70mm of pole 75mm and 100mm Vesa interface plates included Touch screen stable</p>
	14843	<p>X-Y Stage 175mm (L) x 180mm (W) x 51mm (H) Coaxial control knobs Movement: 100 mm (X) x 86mm (Y) Clamps for securing slides or other objects</p>
	14844	<p>X-Y Stage - Transparent for Backlight & Scale 160mm (L) x 188mm (W) x 64mm (H) Coaxial control knobs Movement: 76 mm (X) x 65mm (Y) Clamps for securing slides or other objects Transparent stage for backlight, and Metric scale</p>
	14872	<p>X-Y Stage - Large 420mm (L) x 455mm (W) x 55mm (H) Ball bearing slide for smooth movement Lock mechanism for both X and Y directions</p>
	XY-1515	<p>Large 15.5"x15.5" (394mm x 394mm) roller bearing stage with 14"x11" (356mm x 279mm) X-Y travel. Black Anodized with X-Y lock down screws.</p>
	14876	<p>X-Y Stage - Height Adjustable - 6" x 6" 200mm (L) x 160mm (W) x 70mm (H) Suitable for manually adjusting focus</p>
	14878	<p>X-Y Stage - Height Adjustable - 8" x 8" 245mm (L) x 205mm (W) x 70mm (H) Suitable for manually adjusting focus</p>








	14873	Oblique Tilting Stage 340mm (Diameter) x 120mm (H)
	14820	Hard sided Inspex HD 1080p Table Stand Carry Case

Optional Accessories

	HDAF-FS	Foot Switch
 	VESA-PA	Vesa Mounting Arm for HDAF-VESA and Monitor. 27" vertical post height with bottom clamp to bench top table edge. Two 18" horizontal arm extension each.
	F-V075	Tilting 75mm VESA plate with 5/8" male pin
	HDAF-V-ARM	Vista Vesa Flexible Mounting Arm
	HDAF-XY	XY Table
	HDAF-T66	Height Adjustable Table 6"x 6"
	HDAF-T88	Height Adjustable Table 8"x 8"
	HDAF-TT	Oblique Tilting Table
	HDAF2+	2+ Lens. WD 500mm (19.7") Video Magnification from 1x to 50x on 24 inch monitor.
	HDAF3+	3+ Lens. WD 333mm (13") Video Magnification from 1x to 70x on 24 inch monitor.
	HDAF4+	4+ Lens. WD from 250mm (9.8") to 195mm (7.7"). Video Magnification from 2x to 85x on 24 inch monitor.
	HDAF5+	5+ Lens. WD from 200mm (7.9") to 165mm (6.5"). Video Magnification from 2.5x to 105x on 24 inch monitor.

	HDAF10+	10+ Lens. WD from 100mm (3.9") to 95mm (3.7"). Video Magnification from 4.5x to 250x on 24 inch monitor.
	14813	3x Lens - 250mm working distance
	14814	4x Lens - 250mm working distance
	14815	5x Lens - 200mm working distance
	14810	10x Lens - 100mm working distance
	14841	Polarizing Lens Filter
	15920	LED Dome Light With Intensity Control Color temperature 6000k -7000k Power input 90-265 VAC, Power output 30VDC Inner diameter 66mm 6w LED, Expected bulb life 50,000 hours, 8 LEDS
	16103-DG	UNITRON Mi-LED Fiber Optic Illuminator Dual gooseneck with focusing lenses
	15874-UV	UNITRON LED 240 Ring Illuminator 66mm I.D. Variable light control 4 button selectable segments with 10 LEDs per segment UV (365nm - 450nm)
	RL	LED ring light with removable diffuser glass. (will have some vignetting at lower mag).
	PL	Polarizer Lighting Option
	2525M	Reflected light measuring stage: 135mm x 135mm (5.3"x5.3") platform with 95mm diameter glass insert with rotation 0-360 degree. Optional black/white insert. 25mm x 25mm (1"x1") x-y travel with LCD display. 1 micron (0.00005") resolution.
	5050MJ	Reflected light measuring stage: 150mm x 150mm (5.9"x5.9") top plate, with 50mm x 50mm (2"x2") x-y travel with LCD display. 1 micron (0.00004") accuracy.
	FS-LASER	Laser Pointer

Other Options

	V075	Tilting 75mm VESA plate with 5/8" male pin
	YMA231101	39.5lbs Heavy Boom Stand, with a base size 285×260×18mm. The length of horizontal bar is 21.4"(544mm); vertical post is 15"(384mm); the post of diameter is 1.465"(37.2mm). Diameter of mounting hole in the front of horizontal bar is 5/8"(15.875mm). Maximum bearing load on the front of horizontal bar is 21lbs(9.5kg)
	YMA239101	Length: 10"(254mm); Post Dia.: 1.465"(37.2mm). Applicable to Boom Stand, Clamp Stand and Heavy Base Stand.
	VESA-5	5" VESA Arm for round post
	VESA-17	17" VESA Arm for round post
	ST-055	Adjustable articulating flexible arm clamp stand with TILTING Camera Mount
	ST-075	Articulating Viewing with adjustable articulating flexible arm table stand with 380mm/15" vertical pole with TILTING Camera Mount [Recommended for customer who needs high vertical clearance]