DIGITAL MICROSCOPES

TAGARNO TREND+

FHD digital microscope with on-board apps

FHD 1080p @ 60 FPS | 1.3x–330x | 385 mm Working Depth | On-board Apps and Open API | Built-in Laser Pointer | New Camera



OVERVIEW

The bestselling **TAGARNO TREND+** inspects samples of all sizes: go from low to high magnification by changing the magnetic lenses, and use on-board apps or the Open API to work more efficiently. Findings are documented without a separate computer.

Despite its large working area, the TREND+ fits on small stations: the long camera arm turns away when not in use. Its new camera has a better dynamic range for reflective surfaces and solder joints, more natural colours and less noise, and a faster image processor.

KEY FEATURES

Wide magnification range
1.3x–330x with magnetic lenses from +3 to +25

Large working area
385 mm working depth, arm turns away to free the bench

On-board apps and Open API
measure, compare and document directly on the microscope

Laser pointer
shows which area of a large sample is on the monitor

New camera
better dynamic range and colour reproduction, less noise, faster settings

LENSES AND MAGNIFICATION

Magnetic lenses available for this microscope. Magnification depends on the monitor size (24" FHD or 27" 4K).

Lens	Magnification	Field of view	Lens to object distance	Resolution
Lens +3, 58 mm (2.28")	1.3x–40.1x (24" FHD)	13.4 mm–409.0 mm	333 mm	–
Lens +4, 58 mm (2.28")	1.7x–53x (24" FHD)	11 mm–290 mm	250 mm	–
Lens +5, 58 mm (2.28")	2.3x–66x (24" FHD)	8.0 mm–245 mm	200 mm	–
Lens +10, 58 mm (2.28")	4.3x–133x (24" FHD)	4 mm–87 mm	78 mm	~3 microns
Lens +25, 26 mm (1.02")	10.7x–330x (24" FHD)	1.60 mm–49.80 mm	34 mm	~2.5 microns

TECHNICAL SPECIFICATIONS

CAMERA

FHD camera, 1920 × 1080 @ 60/50/30/25 Hz, 2 MP	✓
60 frames per second	✓
Optical zoom	✓
Video output	HDMI + USB 3.0
16:9 aspect ratio	✓

DIMENSIONS

Working height	34 mm–326 mm (1.34" - 12.83")
Working depth	385 mm (15.16")
Dimensions	H: 460 mm (18.11") W: 325 mm (12.80) D: 530 mm (20.87")
Weight	7.2 kg (15.9 lbs)

LIGHT

Integrated light	✓
TAGARNO Ring light compatibility (White and UV)	Lens mounted
TAGARNO Ring light compatibility (IR)	Lens mounted
Any clamp-mounted ring light (for Ø67 mm lens)	✓
Laser pointer	✓

CONTROL

Control box included	XPLUS
Foot switch (Hands-free)	✓
Keyboard & Mouse	✓
Open API	✓

FEATURES

Built-in image capture	✓
Image capture with USB 3.0 output and generic drivers	✓

Plug-and-play integration into online meetings	✓
File Manager	✓
Metadata available on .jpg images	✓
USB accessories (keyboard, mouse, barcode, USB device)	✓
Camera settings	Basic + Advanced
Presets/favorites	✓
ESD safe	✓
On-board apps available	✓
Update microscope with system updates/firmwares	✓

SOFTWARE

The TREND+ runs the TAGARNO on-board apps and the Open API: TAGARNO Open API, Measurement software, Ruler app, Image comparison app, PNG reference app, Verification lines app, DXF overlay app, Focus stacking app, Color analyzer app, Particle analyzer app, Speck counter app, Watermark app, Trichinoscope app. See the TAGARNO catalogue or interelectronic.com for details.

ACCESSORIES FOR THE TREND+

Lenses: Lens +3, for FHD, Lens +4, for FHD, Lens +5, for FHD, Lens +10, for FHD and 4K/Ultra HD, Lens +25, for FHD and 4K/Ultra HD, Magnetic lens ring kit, Protective cover lens, Lens cleaning kit; **Lighting:** Ring light white, Ring light UV, Ring light infrared (IR), Coaxial light kit, Back light kit, Polarizer set, Fresnel lens 100mm, Fresnel lens 40mm; **Control boxes:** XPLUS control box, Lights control box, Control box back light + coaxial light, Foot switch, Foot switch 4; **Tables:** Small separate XY table, Circular tilting table; **Monitors:** Monitor 24"; **App accessories:** Sample drawer, Sample drawer positioner, Light eliminator, White balance calibration card, White balance calibration card fixture.

Configuration, demo and quotation

InterElectronic is the TAGARNO partner for Hungary and Central Europe: application advice, sample tests, installation, training and service.

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Specifications according to TAGARNO. ✓ = included or supported, – = not available. Subject to change without notice.