

OPTIKA[®]
M I C R O S C O P E S
I T A L Y



VIDEO INSPECTION SERIES

Advanced Industrial Video Inspection Instruments

The Industrial Inspection Series has been designed to offer a wide range of solutions in the field of industrial and general quality control in many sectors. All these instruments have been developed starting from all the needs of the operators in terms of comfort, flexibility, versatility, intuitiveness and without compromise regarding quality.



Industrial Inspection Series - Models

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IS-01 - Overview

Compact video microscope, suitable for intensive use. Perfect for video inspection in the field of quality control in electronics, mechanics, etc.

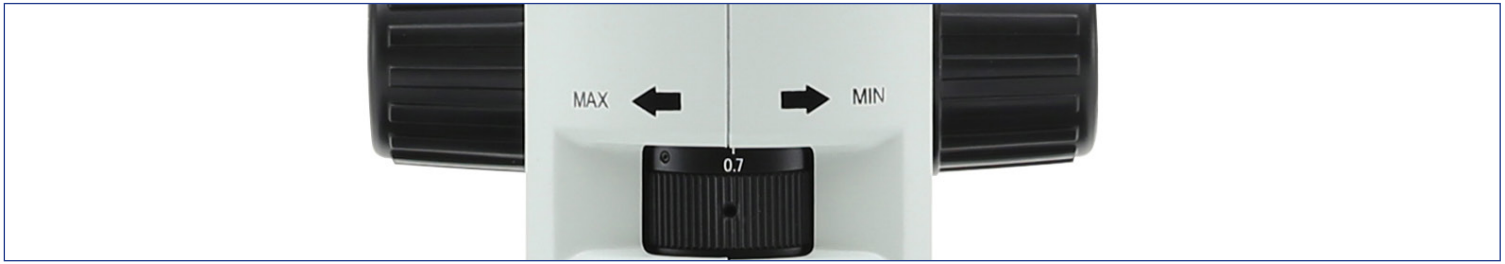
The instrument is equipped with a high-resolution 4MP camera that allows you to view images and videos through a HDMI connection.

The camera is managed by the Android operating system and supported by an image and video management application that allows complete measurement functions.

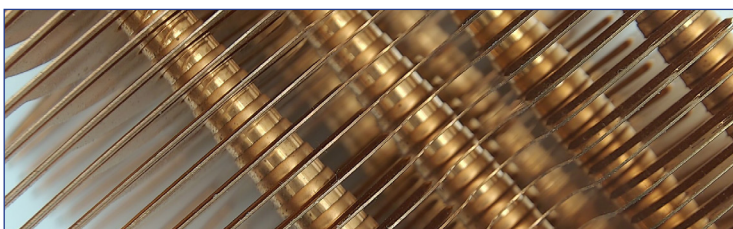
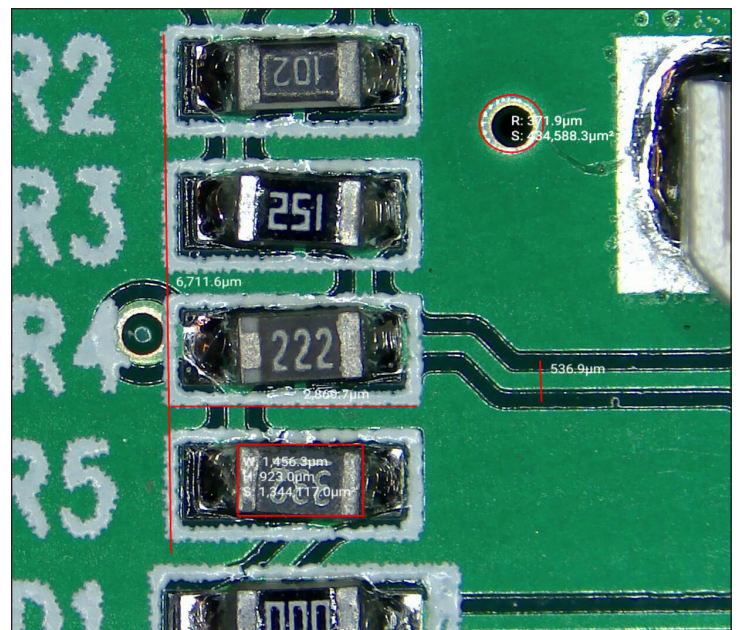
The professional 11.5" screen allows an incredibly clear, deep and detailed image view thanks to its high contrast LCD matrix and thanks to its native 1080p resolution. Its angle of view is adjustable in order to grant the best vision ergonomics.



IS-01 - Technical Specifications



Illumination	Double LED Ring with separate brightness control.
Observation	Brightfield, incident light.
Focusing	Coarse focusing mechanism.
Stand	Base dimensions: 320x260mm. Vertical column with precision rack Rack range: 225mm.
Camera	1/3" CMOS 4MP HDR Camera.
Connections	- HDMI video output - USB 2.0 for mouse connection - mini USB - Sd Card port for image/video storing
Objective	Zoom objective, 0.7x - 5.0x with click stops.
Auxiliary Lenses	- 0.5x (170mm working distance) - 1.0x (135mm working distance) - 1.4x (100mm working distance)
Screen	11.5" Full HD HDMI LCD Screen.
Accessories (Included)	1.5m USB cable, Wireless Mouse, 2m HDMI cable; Power supply.



IS-02 - Overview

Advanced video inspection system, equipped with full HD autofocus camera.

The camera is equipped with a 1x-14x zoom lens that can be adjusted directly with the mouse from the on-screen control menu.

Superb instrument that allows the automatic focusing from a working distance of 10cm to infinity.

The autofocus system is one of the fastest on the market, thanks to its hardware control unit.

The image quality is ensured by the next-gen 1/2.8 CMOS sensor whose main characteristics are the high sensitivity and incredible color fidelity.

The professional 11.5" screen allows an incredibly clear, deep and detailed image view thanks to its high contrast LCD matrix and thanks to its native 1080p resolution. Its angle of view is adjustable in order to grant the best vision ergonomics.

The boom stand allows you to position the camera in any way; in fact it is equipped with a joint that allows the camera to rotate both transversely / longitudinally.

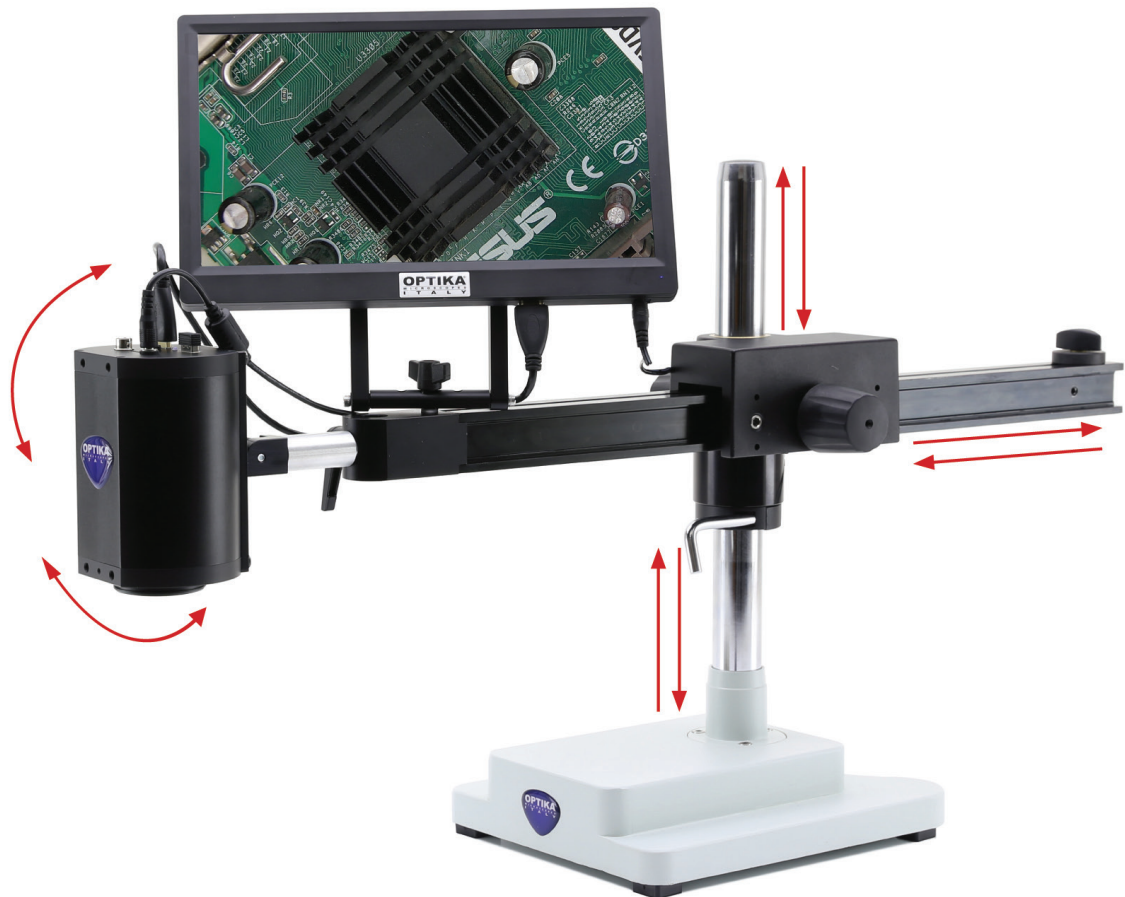
The longitudinal translation takes place by means of the sliding of the horizontal rail, which can be locked in every position by a pair of knobs. The overall height is adjustable and lockable.



IS-02 - Technical Specifications



Camera	Sensor: 1/2.8" CMOS. Resolution: 2MP (1920x1080 pixels). Full HD standard (1080p) Output: HDMI. Focusing system: autofocus . Working distance: from 10cm to infinity. Objective: zoom 1x-14x . Operation control: on-screen. Frame rate: 60fps at 1080p. Storage: micro SD.	Screen	11.5" Full HD HDMI LCD Screen. 360° rotating. Freely inclinable for ergonomic vision
		Stand	High-performance boom stand. 3D-joint for easy camera positioning. Sliding horizontal rail for longitudinal positioning. Adjustable longitudinal limit. Adjustable and lockable height.
		Accessories (Included)	Wireless mouse, 30 cm HDMI cable 8GB micro SD, Power supply



C-HAF - Overview

Flexible high-performance camera for industrial applications.

It can be used for multiple purposes, thanks to the presence of a powerful **1x-14x optical zoom** system that allows you to focus objects from a distance of 10cm up to infinite distance.

The focus adjustment is automatic, performed by a precise and fast **autofocus** system.

The image quality is ensured by a next-gen FullHD sensor and by the HDMI standard that transmits at a frame rate of 60fps.

Sensor's main features are the high sensitivity and incredible color fidelity.

Thanks to the presence of a Micro SD it is possible to store images and videos.



C-HAF - Technical Specifications

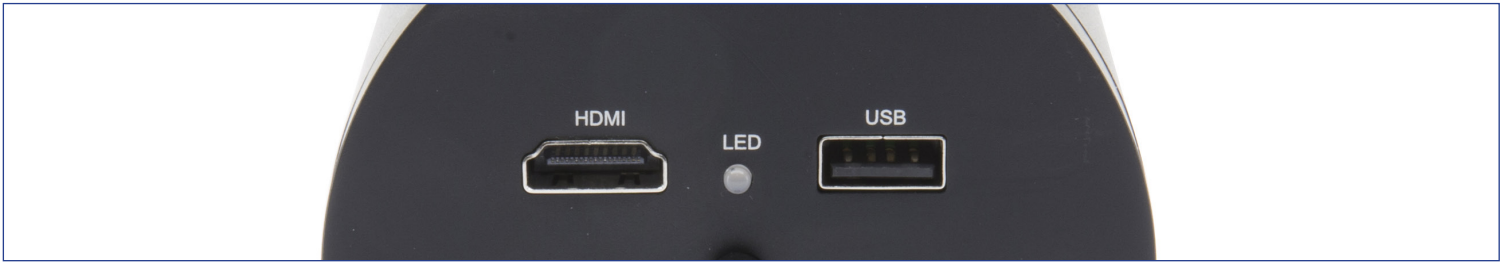
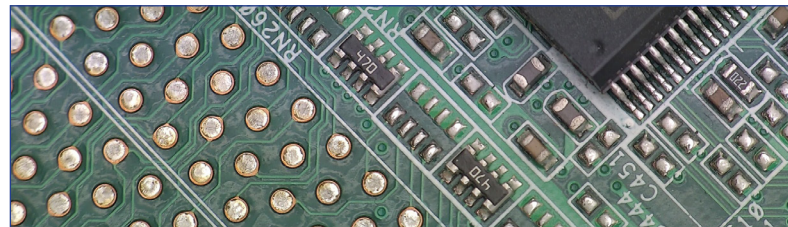


Image sensor	CMOS sensor
Sensor Dimensions	1/2.8"
Effective pixels	2,1MP
Output	HDMI
Power	DC5V
Operation control	Remote control
Scanning	Progressive Scanning
White balance	Manual/Auto/OnePush
Exposure	Manual/Auto
Shutter speed	1/50s(1/60s)-1/10000s
SNR	>50dB
Frame Rate	1080p@60fps; 1080p@50fps
Operating Temperature	0°C - 50°C
Weight	500g
Optical System	1x-14x Zoom Objective
Working Distance	From 10cm to Infinity
Focusing System	Autofocus
Accessories (Included)	Wireless mouse, 30 cm HDMI cable 8GB micro SD, Power supply





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