



▶ HDD - With zoom

▶ Video microscopes

1| The new Zuzi zoom video microscopes are provided with a digital image system with CCD camera and a high resolution LCD display that turn them into the perfect solution to avoid fatigue caused by using a traditional microscope for a long period of time.

2| With a compact and light design and low consumption, their high image quality and easy use make of these equipments of wide application in industry (electronics, microchip technology, etc.) or research.



CODE:HDD009



CODE:HDD010

1| Image capturing

Zuzi video microscopes are equipped with a 1/3" CCD camera and a 0.5x coupler that capture the image and transfer it to an 8" (model 290/8) or 10.4" (model 290/10) LCD display. The LCD monitor is provided with a control panel to modify several parameters and thus optimize the image. This way, excellent images of the sample are obtained.

2| Easy-to-use

The video microscope use is performed through a lateral control panel with buttons to adjust brightness, turn on the laser pointer or make the white balance.

The microscopes are equipped with a built-in LED ring whose intensity can be adjusted to obtain the optimal sample illumination. Moreover, they are also provided with a laser pointer (5 V, 650 nm) to easily identify the position of observation.

3| Wide versatility of use

Zuzi video microscopes can be configured with the objectives and stands or bases that are more appropriate for user necessities (see accessories).

The microscope body presents a standard diameter of 76 mm suitable for most stands available in the market.

It is also available a 35° angle attachment for observation of samples in 3D increasing the uses of the instrument.

Code	HDD009	HDD010
Model	290/8	290/10
Head	Binocular	Trinocular
LCD monitor		
Screen size	8"	10,4"
Resolution	800 x 600	1024 x 768
Dot pitch	0,297 mm	
Contrast	300:01:00	350:01:00
Viewing angle	150°	
Response time	≤ 25ms	
Brightness	250 cd/m2	300 cd/m2
Video output	BNC connector / S-VIDEO connector	
Optical specifications		
Total magnification	3,3x-147x	3,2x-198x
Zoom range	0,7x – 4,5x	
Zoom ratio	01:06.5	
Objetivos	1x standard; 0,3x, 0,5x, 0,75x, 1,5x y 2x (optional)	
Objectives	100-240V, 50/60 Hz	



HDD - with zoom

► Magnification table

Video microscope with zoom model 290/8 (8" LCD monitor)

Objective	Magnification	Field of view	Working distance
0.3x	3.6x – 22.9x	57.1-8.9 mm	331 mm
0.5x	5.9x – 38.1x	34.3-5.3 mm	198 mm
0.75x	8.9x – 57.1x	22.8-3.6 mm	131 mm
1.0x (standard)	11.9x – 76.2x	17.1-2.7 mm	96 mm
1.5x	17.8x – 114.3x	11.4-1.8 mm	63 mm
2.0x	23.7x – 152.4x	8.6-1.3 mm	46 mm

Video microscope with zoom model 290/10 (10.4" LCD monitor)

Objective	Magnification	Field of view	Working distance
0.3x	3.6x – 22.9x	57.1-8.9 mm	331 mm
0.5x	5.9x – 38.1x	34.3-5.3 mm	198 mm
0.75x	8.9x – 57.1x	22.8-3.6 mm	131 mm
1.0x (standard)	11.9x – 76.2x	17.1-2.7 mm	96 mm
1.5x	17.8x – 114.3x	11.4-1.8 mm	63 mm
2.0x	23.7x – 152.4x	8.6-1.3 mm	46 mm



HDJ - Accessories, supports

► Supports

Code	Description
HDJ002	Post stand, 76 mm
HDJ003	Track stand, 76 mm
HDJ004	Light base for Post and Track stands
HDJ005	Big Base Boom stand, 76 mm
HDJ006	Pneumatic stand, 76 mm



CODE:HDJ002



CODE:HDJ006



HDG - Accessories, objectives

► Objectives

Code	Magnification
HDG010	0.3x
HDG011	0.5x
HDG012	0.75x
HDG013	1.5x
HDG014	2x
HDG015	35° 3D attachment with 0.75x objective

