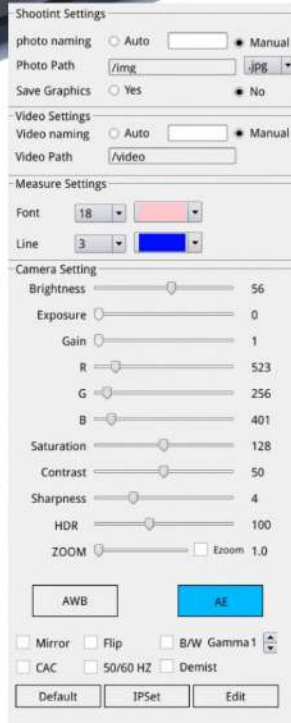
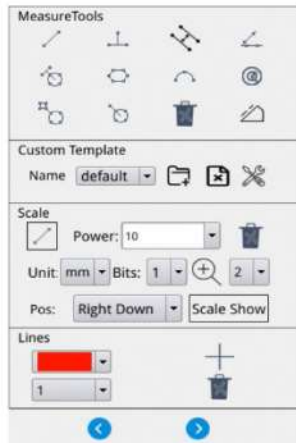
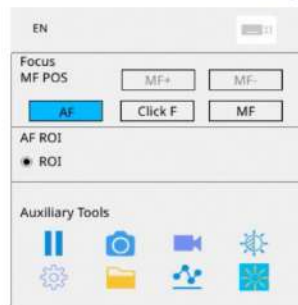


# AF01 Autofocus Large FOV video microscope



Full HD 1080P  
Auto Focus  
Digital zoom:1X-14X  
Working distance:100mm-∞



## Optical System

## Technical Specifications.

### Auto Focus

No need to constantly re-adjust the lens focus.

1/2.8" CMOS 2MP camera with **powerful 1x-14x optical zoom** (plus electronic zoom)

On-board controls and cross grid



1080p full HD stand-alone Real Time Autofocus Camera

Sensor's main features are the **high sensitivity** and **incredible color fidelity**: save money (no need of external illuminators or ring lights)

Working distance is between **10 cm and infinity**, making it the ideal solution to inspect multi-layered and large objects

Camera specifications		
Stand alone use		Yes
HDMI Camera resolution (MP)		2
Camera resolution (n° of pixels: W x H)		1920x1080
HDMI Signal output		Yes
Trigger Signal output		Yes
Color / Monochrome		Color
Sensor Size		1/2.8"
Sensor Technology		CMOS
Sensor Type		SONY EXMOR
Optical Zoom		1x-14x
Digital Zoom		1x-6x
Rolling Shutter		Yes
Autofocus		Yes
Image Format		16/9
Pixel Size (μm)		2.9x2.9
Frame rate full resolution (fps)		60@1920x1080
G sensitivity		1300mV at 1/30sec
Dark Signal		0.34mV at 1/30sec
ADC conversion		8 Bit
Color Depth		8 Bit
Exposure time		Auto
Binning		1x1
IR filter		Yes
Cooling Temperature		None
Camera Power		5V 2A
Dimensions (mm)		88 x 72 x 125
Weight (Kg)		0.57

Camera accessories		
HDMI cable (2m)		Yes
Wireless Mouse		Yes



53/69 M.5 Nongbon, Praves  
Bangkok 10250  
02-747-2155 084-876-7770  
admin@vskconsummate.com  
sales3@vskconsummate.com

Big FOV Auto Focus Video Microscope  
Auto focus function.1920\*1080 high resolution.  
High working distance and it is adjustable:  
10cm-∞.Big FOV. 30cm working distance and FOV  
can reach 420\*230mm.  
Take photos and video can keep in USB.

## Real-time Full HD Auto-Focus Inspection Camera

**AF01** is a real-time full HD auto-focus inspection camera, with 2 MP resolution to view crystal clear **1080p** images/videos on HD monitor, through HDMI connection at **60 fps**. Its angle of view is **fully adjustable**.

Achieve **instant focus** without the need to constantly adjust your lens with the incredibly fast focusing system (acquisition time is lower than 1 sec.) without the inconvenience of having to constantly re-adjust the lens focus.

Working distance is between 10cm and infinity, making it the ideal solution to inspect multi-layered objects, extremely quickly. The camera is equipped with **1x-14x optical zoom** and 1x-6x electronic zoom. All functions are controlled **directly from the screen**, with the support of mouse, and images and videos can be directly acquired on SD card (mouse and SD card are included).

### Main functions are:

- Possibility to perform automatic or manual white balance, independently setting RGB parameters for a perfect color reproduction
- Choose between automatic or manual exposure
- With HDR function, a sequence of images is captured at different exposures, and they are combined into a single image
- Trigger function allows the connection with an external controller and the file acquisition is possible with a determined sequence
- Possibility to set horizontal and vertical lines, in different colors and positions, to generate a custom grid directly on the HDMI screen

## Option

### BOOM STAND Double arm Flexible arm

