

# AUTOFOCUSING DIGITAL MICROSCOPE

**DMS - AF**





Video microscope can inspect the samples in the displays from the perspective, without eyepieces. It can show & save high quality colour static image, dynamic, high resolution video. DMS-AF series video microscope is with all in one mechanical structure, full self-developed optical system, light switch function, continuous zooming in / out, auto focusing function. It will help you improve the quality control career.

### Product Advantages:



Move the inspected parts to the focusing area, the clear image will be gotten.

### Help you accelerate your work process

Without experience, big screen for better inspection; Real time focusing, save time, compare with manual focusing type; Continuous zooming, quick change the magnification.



Common inspection (IC 180x)  
(IC 180x) HDR inspection

### Help you to find more details

Help you find more details: Special HDR function can improve edge profile, the image will be clearer; Electronic magnification 180X, see more details; 2MP high resolution camera, 60 fps high photo speed.

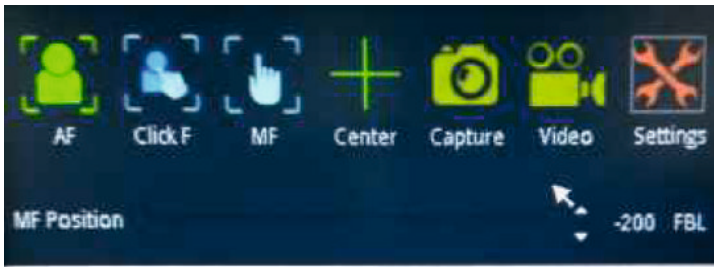


TF card can save the image & dynamic video simple & easy human - computer operation interface

### Bring you more convenient

Bring you more convenient: Portable TF card, can save image and dynamic video; Simple human-computer interface improves the operation efficiency. Varieties of lights application & requirements can be selected according to customers demands.

## Easy to Control with Man-machine Interface



- Easy to control;
- Switchable from auto focus & manual focus;
- USB interface & USB 2.0 high-speed storage enable to store HD videos.

## Original Illumination Control Mode



Ring Light

Back Light

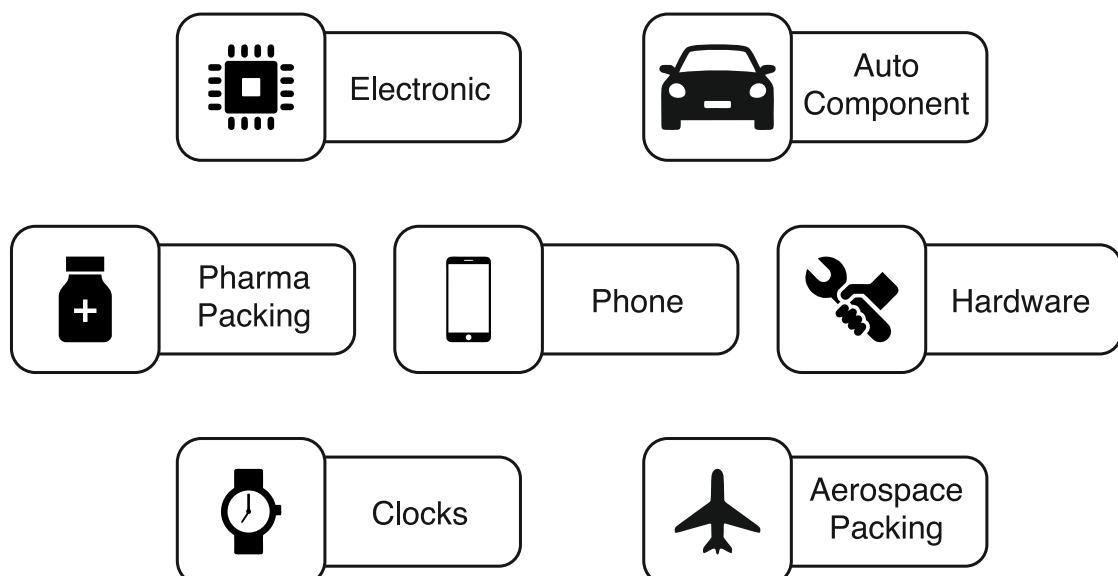
Side Light

Select illumination based on sample features which could provide perfect observation & inspection effect.

## All - parameter Adjustment

Parameter adjustment supports better inspection & image effects; Basic parameter includes brightness/ white balance adjustment, contrast ratio & sharpness adjustment, image and storage pictures & videos etc; Support chinese/ english operation languages; Auxiliary functions includes focus mode switch, colour/ black & white mode switch, reticle display and reticle ruler display etc.

## Application Fields



| Type              | Parameter                   | Value                                                            |
|-------------------|-----------------------------|------------------------------------------------------------------|
| Specifications    | Code                        | MS-AF                                                            |
|                   | Dimension                   | 320 x 308.5 x 417.5mm                                            |
|                   | Max Component Height        | 50mm                                                             |
| Optical Parameter | System Magnification (1-6X) | Min.29.92-179.5X                                                 |
|                   |                             | Min.192.34-1154X                                                 |
|                   | Optical Magnification       | 0.35-2.25X                                                       |
|                   | Display                     | 21.5 inches                                                      |
|                   | Resolution                  | Min. <8.77 $\mu$ m Max. <3.94 $\mu$ m                            |
|                   | Working Distance            | 88 $\pm$ 2mm                                                     |
|                   | FOV (D*H*V) mm              | Min. 18.3 x 15.9 x 8.95                                          |
|                   |                             | Max. 2.84 x 2.47 x 1.39                                          |
| Camera Parameter  | Image Sensor                | CMOS Color                                                       |
|                   | Effective Pixel             | 200W (1920 x 1080)                                               |
|                   | Sensor                      | 1/2.8"                                                           |
|                   | Menu                        | POMEAS Software                                                  |
|                   | Operation Manual            | USB Mouse/ Controller                                            |
|                   | Output Mode                 | HDMI                                                             |
|                   | White Balance               | Manual / Auto / One Click                                        |
|                   | Exposure                    | Manual/ Auto                                                     |
|                   | Frame Rate                  | 1080P@60FPS                                                      |
|                   | Scanning Mode               | Line by line                                                     |
|                   | Electronic Shutter Speed    | 1/50S(1/60S~1/10000S)                                            |
|                   | Working Temperature         | 0°C~50°C                                                         |
|                   | Electronic Magnify          | Support                                                          |
| Storage Function  | Support TF card storage     |                                                                  |
| Instrument        | Standard light              | Ring light / Side lights / Bottom lights / Outside coaxial light |