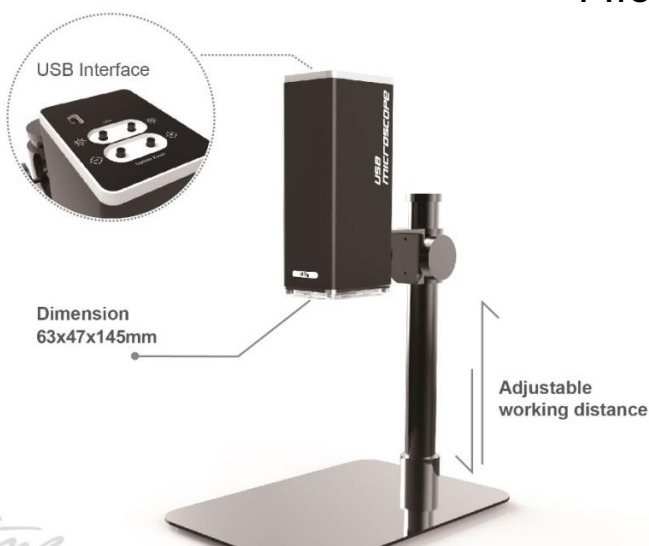


## ViTiny UM12 5MP USB Auto-Focus Long Working Distance Digital Microscope



**Features:** USB connection to PCs (Windows systems: XP, Windows 7, Windows 8, Windows 10); 5MP CMOS sensor; Autofocus; Long working distance; 10x to 280x on 21.5" monitor; High quality images; Measurement capabilities; Easy to use software; Sturdy steel stand. USB connection also work on Android devices and Mac computers. (different app and software are needed).

### Technical Specifications:

- Magnification: 10x to 280X on 21.5" monitor
- Lens & CMOS sensor: 5M pixels
- Working distance: 9.6mm to 140mm
- Video Resolution: 1600x1200; 1280x800; 800x600; 640x480; 2592x1944
- Frame rate: 30FPS (resolution: 640x480), 15FPS (resolution: 1600x1200, MJPG), 2FPS (resolution: 2592x1944, YUY2)
- Autofocus: Single Autofocus or Continuous Autofocus
- Light Source: 8 white LED lights
- Preview Resolution: 2592x1944, 1600x1200, 1280x 960, 1280x800, 1024x768, 800x600, 640x480
- USB 2.0 High-Speed Transmission, Web Cam function
- Metal steel stand: 360-degree rotation and height adjustment
- Software with Measurement Functions: Length, Circumferences, Radius, Diameter, Area, Angle, Image Comparison, etc.
- Far Distance Control Mode: Control all functions through Software without a single button touch on the microscope



### Product Details

- Dimension: 63 (L) x 47 (W) x 145 (H) mm
- AP Software Compatibility: Windows 8/Windows 7/Vista/XP
- Device platform: Windows operation systems (XP, 7, 8 and 10); Mac OS X. 4.8+; Linux UVC driver
- Included in the Package: UM12 Microscope, USB Cable, Software CD, Operation Manual, Stand S-108, Calibrator, White balance card,
- Manufacturer's Warranty: 1 year

# ViTiny UM12 Working distance - Field of View - Magnification (on 21.5" screen)

|   |      |      |      |      |      |      |      |      |      |
|---|------|------|------|------|------|------|------|------|------|
| 4:3 ratio on 21.5" monitor (Reference data) |      |      |      |      |      |      |      |      |      |
| Focus section                               | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    |
| Distance(mm)                                | 159  | 114  | 92.0 | 70.0 | 48.5 | 39.5 | 35.0 | 30.5 | 26.0 |
| FOV(mm)                                     | 35.0 | 25.0 | 20.0 | 15.0 | 10.0 | 8.00 | 7.00 | 6.00 | 5.00 |
| Magnification (X)                           | 10   | 13   | 17   | 22   | 34   | 42   | 48   | 56   | 68   |
|   |      |      |      |      |      |      |      |      |      |
| Focus section                               | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 17   | 18   |
| Distance(mm)                                | 23.0 | 21.0 | 19.0 | 17.0 | 16.0 | 15.0 | 14.0 | 13.0 | 12.0 |
| FOV(mm)                                     | 4.50 | 4.00 | 3.50 | 3.00 | 2.80 | 2.60 | 2.40 | 2.20 | 2.00 |
| Magnification (X)                           | 75   | 85   | 97   | 113  | 122  | 131  | 142  | 155  | 170  |
|   |      |      |      |      |      |      |      |      |      |
| Focus section                               | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   |      |
| Distance(mm)                                | 11.5 | 11.0 | 10.5 | 10.0 | 9.5  | 9.0  | 8.5  | 8.0  |      |
| FOV(mm)                                     | 1.90 | 1.80 | 1.70 | 1.60 | 1.50 | 1.40 | 1.30 | 1.20 |      |
| Magnification (X)                           | 179  | 189  | 200  | 213  | 227  | 244  | 262  | 284  |      |