

STALWART

Wide Field Stereo Microscope STM-3070 Series



STM-3070A



STM-3070B



STM-3070C



STM-3070D

Introduction

STM-3070 series stereo microscopes features of large viewing field without eyepiece. Users can see sharp and stereoscopic images from the lens in microscope head. Built-in LED illumination provides bright and even light for comfortable viewing, brightness can be adjusted with the external power box. The microscopes are easy to operate and widely applied to biological dissection, electronics producing and inspection, minerals, historical relic restoration etc.

Features

- With high quality optical components, providing sharp and high contrast image at super-long working distance, super-large viewing field, large depth of focus, reduce the fatigue and improve the working efficiency.
- With LED light, Providing even illumination and life expectancy can reach 60000 hours.
- Various objectives are available, 2×, 4×, 6× objectives are standard, 8×, 10×, 15× and 6×SL objectives are optional. The objectives can be conveniently changed.

Specification

Item	Specification	STM-3070 A	STM-3070 B	STM-3070 C	STM-3070 D
Viewing Head	2× high quality optical head without eyepieces	Standard	Standard	Standard	Standard
Objective	2×, WD: 208mm, FOV: 68mm	Standard	Standard	Standard	Standard
	4×, WD: 98mm, FOV: 34mm	Standard	Standard	Standard	Standard
	6×, WD: 80mm, FOV: 22.7mm	Standard	Standard	Standard	Standard
	8×, WD: 58mm, FOV: 17mm	Optional	Optional	Optional	Optional
	10×, WD: 46mm, FOV: 13.6mm	Optional	Optional	Optional	Optional
	15×, WD: 50mm, FOV: 9.1mm	Optional	Optional	Optional	Optional
	6×SL(Super Long working distance), WD: 115mm, FOV: 22.7mm	Optional	Optional	Optional	Optional
Total magnification	4×-12×	Standard	Standard	Standard	Standard
Illumination	3W built-in LED illumination with external control box	Standard	Standard	Standard	Standard
Stand	Column height 500mm, moving range 175mm, Base 400×300×20mm	Standard			
	Column height 580mm, moving range 330mm, Base 400×300×20mm, stage size: 210×190mm		Standard		
	Universal stand can be fixed on table			Standard	
	Floor type stand, height: 1050-1470mm, horizontal moving range: 400-840mm				Standard
Focus	Coarse focus with focus knob on stand	Standard	Standard		
	Focus with handle on head			Standard	Standard

Application

The STM-3070 series stereo microscopes are of great value in a variety of applications such as education, biological dissection and industrial areas. They are mainly used for circuit board inspection and repair, surface mount, electronics inspection, coin collecting, gemology and gemstone identification, engraving, repair and inspection of small parts. They are mainly used for following areas:

- Electronics: PCB board assembling, inspection, repair and weld.
- Precision project & Plastic: QC, Micro-welding, Micro-machining, Injecting.
- Medical & Dentistry Equipment Manufacturing: precise manufacture and assembling, Fine Dressing, Color Matching, inspection and repair.
- Biological and medical: specimen-making, dissecting, Dyeing, Microscopy.
- Public Security System: Trace comparison, stamp and signature identification, bank note and other note identification and evidence analysis.