

Stereo Zoom Microscopes

DSZ-44 Series Stereo Zoom Microscopes

DSZV-44



- Magnification Range: 10x-44x (2.5x-140.8x with optional lenses)
- Zoom ratio: 4.4:1
- Field of view 23mm to 5.2mm (0.90° to 0.20°)
- Working distance: 90mm (3.54")
- Includes Wide Field DSW10x (F.N.23) eyepieces
- Optional eyepieces available include DSW5x (F.N.22.5), DSW15x (F.N.15) & DSW20x (F.N.11.4)
- Trinocular port includes easy adjust C-mount camera adapter for fine focusing
- Includes rubber eyeguards and dust cover

Product ID	Description
DSZ-44	DSZ-44 - Stereo Zoom Binocular Microscope
DSZV-44	DSZV-44 - Stereo Zoom Trinocular Microscope

Optical Data for DSZ-44 & DSZV-44

Eyepiece | DSW5x (F.N. 22.5)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
Magnifications	5x-22x	2.5x-11x	3.75x-16.5x	8x-35.2x	13.4x-100x
Working Dist.	90mm	150mm	105mm	45mm	41mm
Field of View	22.5-5.1mm	45-10.2mm	30-6.8mm	14-3.1mm	17.1-2.3mm

Eyepiece | DSW10x (F.N. 23)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
Magnifications	10x-44x	5x-22x	7.5x-33x	16x-70.4x	13.4x-100x
Working Dist.	90mm	150mm	105mm	45mm	41mm
Field of View	23-5.2mm	46-10.4mm	30.6-6.9mm	14.3-3.2mm	17.1-2.3mm

Eyepiece | DSW15x (F.N. 15)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
Magnifications	15x-66x	7.5x-33x	11.25x-49.5x	24x-105.6x	13.4x-100x
Working Dist.	90mm	150mm	105mm	45mm	41mm
Field of View	15-3.4mm	30-6.8mm	20-49.5mm	9.3-2.1mm	17.1-2.3mm

Eyepiece | DSW20x (F.N. 11.4)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/2x
Magnifications	20x-88x	10x-44x	15x-66x	32x-140.8x	13.4x-100x
Working Dist.	90mm	150mm	105mm	45mm	41mm
Field of View	11.4-2.5mm	22.8-5.1mm	15.2-3.45mm	7.1-1.6mm	17.1-2.3mm

DSZ-70 Series Binocular Stereo Zoom Microscopes

DSZ-70



- Magnification Range: 20x-70x (5x-224x with optional lenses)
- 3.5:1 zoom ratio
- Field of view: 10mm-2.8mm (0.39"-0.11")
- Working Distance: 80mm (4.25")
- Includes DSW10xZ (F.N.20) eyepieces
- Optional eyepieces available include DSW5xZ (F.N.20), DSW15x (F.N.15) & DSW20x (F.N.11.4)
- Versatile binocular microscope best suited for high magnification applications
- Includes rubber eyeguards and dust cover

Product ID	Description
DSZ-70	DSZ-70 - Binocular Stereo Zoom Microscope

Optical Data for DSZ-70

Eyepiece | DSW5xZ (F.N. 20)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/1.6x
Magnifications	10x-35x	5x-17.5x	7.5x-26.25x	16x-56x	16x-56x
Working Dist.	80mm	120mm	85mm	41mm	41mm
Field of View	10-2.9mm	20-5.7mm	13.3-3.8mm	6.2-1.7mm	6.2-1.7mm

Eyepiece | DSW10xZ (F.N. 20)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/1.6x
Magnifications	20x-70x	10x-35x	15x-52.5x	32x-112x	32x-112x
Working Dist.	80mm	120mm	85mm	41mm	41mm
Field of View	10-2.8mm	20-5.7mm	13.3-3.8mm	6.2-1.7mm	6.2-1.7mm

Eyepiece | DSW15x (F.N. 15)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/1.6x
Magnifications	30x-105x	15x-52.5x	22.5x-78.75x	48x-168x	48x-168x
Working Dist.	80mm	120mm	85mm	41mm	41mm
Field of View	7.5-2.1mm	15-4.2mm	10-2.8mm	4.6-1.3mm	4.6-1.3mm

Eyepiece | DSW20x (F.N. 11.4)

Auxiliary Lens	Nil	w/0.5x	w/0.75x	w/1.6x	w/1.6x
Magnifications	40x-140x	20x-70x	30x-105x	64x-224x	64x-224x
Working Dist.	80mm	120mm	85mm	41mm	41mm
Field of View	5.7-1.6mm	11.4-3.2mm	7.6-2.1mm	3.5-1mm	3.5-1mm

Design Your Own Microscope System

With a large variety of cameras, lighting options, stands and focus mounts, you can create and order your own customized microscope system on AvenTools.com. If you need help creating a custom system, please call our experienced sales team at 734.973.0099 and let them assist you in creating a tailor made solution that will meet your specific requirements.