

WPI Camera to WPI Microscope Configurations

Stereo microscopes

	PZM3	PZMT3	PZM4	PZMT4
COLCOM 1/2" CCD (8 mm diagonal), C-mount, CS-mount	Use 503097 eyepiece adapter in open eyepiece (58% FOV)	Use 501381 0.5X c-mount adapter on C-mount (51.6% FOV)	Use 503097 Eyepiece Adapter in open eyepiece (59% FOV)	Use 500262 0.5X c-mount adapter (53% FOV)
DC2000M 1/3" CCD (6 mm diagonal) C-mount, CS-mount	Use 503097 Eyepiece Adapter in open eyepiece (42% FOV)	Use 501381 0.5X c-mount adapter on C-mount (42% FOV)	Use 503097 Eyepiece Adapter in open eyepiece (46% FOV)	Use 500261 0.3X c-mount adapter (44% FOV)
USBCAM3M 1/2" CCD (8 mm diagonal), C-mount.	Use 503097 Eyepiece Adapter in open eyepiece (61% FOV)	Use 501381 0.5X c-mount adapter on C-mount (58% FOV)	Use 503097 Eyepiece Adapter in open eyepiece (65% FOV)	Use 500262 0.5X c-mount adapter (60% FOV)
DEC-18 Eyepiece camera	Direct into open eyepiece only (40% FOV)	N/A on Trinocular port	Direct into open eyepiece only (40% FOV)	N/A on Trinocular port

Research, inverted, and modular microscopes

	W30S	W30ST	W30ST with 503097 eyepiece adapter	GPL-T	PSMT5 Surgioscope	I-101 Inverted	I-101 Inverted
COLCOM 1/2" CCD (8 mm diagonal), C-mount, CS-mount	Use 503097 Eyepiece Adapter in open eyepiece (64% FOV)	Use existing 1X C-mount direct (40% FOV)	Calculated 88%	Use existing 0.4X C-mount direct. (89% FOV)	Use on 1/2" CS-mount w/o camera's 5 mm ring (73% FOV)	Use existing 1X C-mount direct (40% FOV)	W/503097 on eyetube 85% FOV meas 76%
DC2000M 1/3" CCD (6 mm diagonal) C-mount, CS-mount	Use 503097 Eyepiece Adapter in open eyepiece (51% FOV)	Use existing 1X C-mount direct (30% FOV)	Calculated 66.5%	Use existing 0.4X C-mount direct. (66% FOV)	Use on 1/2" CS-mount w/o camera's 5 mm ring (57% FOV)	Use existing 1X C-mount direct (30% FOV)	W 503097 on eyetube 65% FOV
USBCAM3M 1/2" CCD (8 mm diagonal), C-mount.	Use 503097 Eyepiece Adapter in open eyepiece (73% FOV)	Use existing 1X C-mount direct (40% FOV)	Calculated 90-95%	Use existing 0.4X C-mount direct. (89% FOV)	N/A Surgioscope requires CS-mount	Use existing 1X C-mount direct (40% FOV)	N/R
DEC-18 Eyepiece camera	Direct into open eyepiece only (40% FOV)	N/A Use directly in open eyepiece only (40% FOV)	N/A Use directly in open eyepiece only (40% FOV)	Direct into open eyepiece only (40% FOV)	N/A Surgioscope ocular is 21 mm diameter	Direct into open eyepiece only (40% FOV)	Not checked

Notes: These are based on a focused scale at 0 eyepiece diopter, some minor FOV variations may occur due to focused height.
 Measured DEC18 on H602 for 50% FOV (0.22 mm of .45 FOV) PZM3 (12/30 mm) 40% and PZM4 (13/32 mm) 40%
 Measured COLCAM on Surgioscope on 0.5X CS-mount (25/34 mm) for 73.5%
 Measured COLCAM on PZMT3 on 0.5X C-mount (16/31) 51.6% with 503097 (18/31) 58%.
 Measured COLCAM on PZMT4 on 0.5X C-mount (17/32) 53% with 503097 (19/32) 59.3%.
 Measured COLCAM on H602with 503097 (.29/.45) 64%; Calculated COLCAM on 1X c-mount H602T for 40% with 0.45X 503097 88%
 Measured 1/3" TV camera on 1/2"CS mount on Surgioscope (20/37) 54% and (18/34) 52% on 1/4" mount 30/34 or 88%
 Measured DC2000M on Surgioscope 21/37 (57%) for 1/2" CS-mount, 33/37 mm (89%) for 1/4" CS-mount
 Measured DC2000M on PZMTIV 14/32 (43.75%) for 1/2" CS-mount, 15/32 mm (46.8%) for 503097 mount
 Measured DC2000M on PZMTIII 13/31 (42%) for 1/2" CS-mount, 13/31 mm (42%) for 503097 mount
 Measured DC2000M on H602 with 503097 for (.23/.45) 51% FOV; Calculated on H602T 1X C-mount 30% FOV with 0.45X 503097 66.5%
 Measured USBCAM on PZMT3 (18/31) for 58% with 503097 (19/31) 61.3%
 Measured USBCAM on PZMT4 (20/33) for 60% with 503097 (21/32) 65%
 Measured USBCAM on H602 with 503097 (.33/.45) 73%; Calculated USBCAM for 1X c-mount H602T for 45% with 0.45X 503097 100%



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