

Cameras

	MSV-500	MSV-1000	MSV-320	MSV-640
Features	VNIR	VNIR	NIR	NIR
Optical Specifications				
Wavelength Range	400-1000 nm	400-1000 nm	900-1700 nm	900-1700 nm
Optical Resolution	1.7 nm*	2.8 nm	5 nm	5 nm
Spatial Pixels	2000	1920	320	640
Spectral Pixels	800	1200	256	512
*available upon request, 2.8 nm standard resolution				
Electrical Specifications				
Power	110/220 VAC	power over USB	power over ethernet	power over ethernet
Camera Interface	USB3	USB3	GigE	GigE
Maximum Framerate	90 fps	42 fps	344 fps	300 fps
Dynamic Range	12/16 bits	12 bits	14 bits	14 bits
Binning	Yes	Yes	No	No
Mechanical Specifications				
Length	12.63"	11"	11"	11"
Width	3.6"	4.5"	4.5"	4.5"
Height	3.79"	4.5"	4.5"	4.5"
Weight	7.5 lbs	9 lbs	9 lbs	9 lbs
Software				
Dual Camera FastFrame™	Yes	No	No	No
Single Camera FastFrame™	Yes	Yes	Yes	Yes
kemoQuant™ Analysis	Optional	Optional	Optional	Optional
kemoQuant™ Visualization	Optional	Optional	Optional	Optional
breeze Model Building	Optional	Optional	Optional	Optional