

## VHX Fields of View and Pixel Size

Use the charts below for referencing the Field of View at each magnification of each lens, as well as the pixel size (in microns) for captured image at the given magnification, using standard 1600x1200 image size.

VH-Z00R/Z00T								
Magnification		0.1x	0.5x	1x	5x	10x	30x	50x
Field of View	Horizontal (mm)	3200	640	320	61	30.5	10.2	6.1
	Vertical (mm)	2400	480	240	45.5	22.8	7.6	4.6
Pixel size (um)		2000	400	200	38.125	19.063	6.375	3.813

VH-Z20R/Z20T or VH-Z20UR/Z20UT								
Magnification		20x	30x	50x	100x	150x	200x	
Field of View	Horizontal (mm)	15.24	10.16	6.10	3.05	2.03	1.52	
	Vertical (mm)	11.40	7.60	4.56	2.28	1.52	1.14	
Pixelsize (um)		9.525	6.35	3.825	1.906	1.269	0.95	

VH-Z50L/Z50T								
Magnification		50x	100x	200x	300x	400x	500x	
Field of View	Horizontal (mm)	6.10	3.05	1.53	1.02	0.77	0.61	
	Vertical (mm)	4.56	2.28	1.14	0.76	0.57	0.46	
Pixel size (um)		3.825	1.906	0.95	0.638	0.481	0.381	

VH-Z100R/Z100T or VH-Z100UR/Z100UT								
Magnification		100x	200x	300x	500x	700x	1000x	
Field of View	Horizontal (mm)	3.05	1.52	1.02	0.61	0.44	0.30	
	Vertical (mm)	2.28	1.14	0.76	0.46	0.33	0.23	
Pixel size (um)		1.906	0.95	0.638	0.381	0.275	0.188	

VH-Z250R/Z250T								
Magnification		250x	300x	500x	1000x	1500x	2000x	2500x
Field of View	Horizontal (mm)	1.22	1.02	0.61	0.30	0.20	0.15	0.12
	Vertical (mm)	0.92	0.76	0.46	0.23	0.15	0.11	0.09
Pixel size (um)		0.762	0.638	0.381	0.188	0.125	0.094	0.075

VH-Z500R/Z500T							
Magnification		500x	1000x	2000x	3000x	5000x	
Field of View	Horizontal (um)	610	305	152	102	61	
	Vertical (um)	457	229	114	76	46	
Pixel size (um)		0.381	0.188	0.094	0.064	0.038	

VH-ZST (VH-ZS20)								
Magnification		20x	30x	50x	100x	150x	200x	
Field of View	Horizontal (mm)	15.24	10.16	6.10	3.05	2.03	1.52	
	Vertical (mm)	11.40	7.60	4.56	2.28	1.52	1.14	
Pixelsize (um)		9.525	6.35	3.825	1.906	1.269	0.95	

VH-ZST (VH-ZS200)								
Magnification		200x	300x	500x	1000x	1500x	2000x	
Field of View	Horizontal (mm)	1.52	1.02	0.61	0.30	0.203	0.15	
	Vertical (mm)	1.14	0.76	0.46	0.23	0.15	0.11	
Pixelsize (um)		0.95	0.638	0.381	0.188	0.125	0.094	