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Interferometry		One Wavelength	Phase- Shift	White- Light	Wavelen Scanni
0		0	0	0	0
bject		×	×	0	0
		×	×	0	0
Me	asurement	Relative	Relative	Absolute	Absolu
M	echanical Parts	Needless	Require	Require	Needle
Resolution		High	High	Middle	Low









300	rce &	Tunak	ole Range
			Resolution
Tunable Range	Resolution	Measurable Range(1024 frames)	$\delta h = \frac{\pi}{Max(\Delta k)} = \frac{\lambda_{\max} \cdot \lambda_{\min}}{2(\lambda_{\max} - \lambda_{\min})}$
~0.1 nm	~3.6 mm	~1.8 m	• Measurable Range $\Delta h = \frac{\pi}{N} = \frac{N}{\delta h}$
~30 nm	~12 µm	~6.1 mm	• Optical path
~20 nm	~18 µm	~9.2 mm	difference
~100		-15 mm	$L = \delta h \cdot \frac{f}{f_s}$
nm			
	Tunable Range -0.1 nm -30 nm -20 nm -20 nm	Tunable Range Resolution -0.1 nm -3.6 mm -30 nm -12 μm -20 nm -18 μm -100 nm -3.0 μm	Tunable Range Resolution Measurable Range(1024 frames) -0.1 nm -3.6 mm -1.8 m -30 nm -12 µm -6.1 mm -20 nm -18 µm -9.2 mm -100 nm -3.0 µm -1.5 mm









Experimental Conditions						
Wavelength Scanning Range :						
	740.0 nm – 842.3 nm					
Sampling Speed	: 250 Frames/s					
Frame Size	:					
	256 X 128 X 4 Ports					
	(256 X 512 Pixels)					
	1024 Frames (128MB)					
Measurable Area	: 2.5 X 5 mm2					
Depth Resolution	: 3.046 μm					
Measurable Range	e: 1.56 mm					
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