

CHAPTER 8 IMAGING SYSTEM

ADVANCED ZOOM IMAGING



SPECIFICATION

Fetura 12.5:1 Platform*

Numerical Aperture Range	0.019 – 0.10
Magnification Range (nominal)	0.52 – 6.5
Depth-of-Field Range	1.4 – 0.055
Transmission:	
480nm	91.11%
550nm	92.43%
650nm	91.80%
Wavelengths	VIS: 486nm-650nm
Zoom Magnification Repeatability (low mag.)	0.02%
Zoom Magnification Repeatability (high mag.)	0.06%
Parcentration at image plane (low mag.)	± 2 µm
Parcentration at image plane (high mag.)	± 6 µm
Zoom Speed (low mag. to high mag.)	< 1 sec.
Service Life Expectancy	≥1,000,000 zoom cycles
Acceleration Tolerance (any orientation)	£ 1G up to 50Hz
PC Control Interface	USB 2.0
Power Requirements	US, Europe, UK
Materials	ISO 14644-1 compliant

