

P:2/2

Adaptive Optics Kit Specifications:

Qty: 01

1. Working wave length : 300-1100 nm
2. Silver coated mirror
3. Piezoelectric deformable mirror (DM) or MEMS deformable mirror
4. Clear aperture of deformable mirror > 20mm
5. Number of actuators >100
6. Shack Hartmann wave front sensor (WFS) (CCD or CMOS type)
7. Wave front sensitivity > $\lambda/30$
8. Camera resolution (max) 1280*1024 pixels (selectable)
9. Exposure range 70us-65ms
10. Opto-mechanical hardware
11. Adaptive optics kit should compensate laser beam aberrations
12. Adaptive optics kit to compensate optical system aberrations
13. Control software for closed loop operation with user control options
14. Built in software libraries

Preferable manufacturers are detailed below:

1. Thorlabs
 - a. Web address: www.thorlabs.com
 - i. Modal #AOK5-UP01
2. Active Optical systems
 - a. Web address: www.activeopticalsystems.com
3. Edmund optics
 - a. www.edmundoptics.eu or sales@edmundoptics.eu
4. Opto Engineering
 - a. Web address: www.opto-engineering.com
5. Adaptive Optics Engine
 - a. E.mail: info@irisao.com
6. Iris Adapative Optics Kit
 - a. Modal # 33-740