

**SPECIFICATIONS OF DIGITAL ULTRA WIDE FIELD IMAGING SYSTEM WITH FA  
NEONATAL FUNDUS CAMERA**

1. It should be Handheld, Light weight, portable modular retinal camera for diagnosis of retinal diseases of the babies especially premature babies.
2. Should provide Handheld Retinal camera, Laptop/ Desktop, Power Console, Foot Control for focusing and intensity control.
3. Field of view should be 130 degree or more.
4. Should be able to capture images of the entire eye in a video mode and should be convertible to an image mode for email.
5. Should have montage image facility.
6. Retinal camera should be tele medicine compatible so that the high quality and high-resolution images of the infant eye could be shared with anyone anywhere for views.
7. Software should support sending images and receiving diagnosis.
8. Should have high quality image editing tool to convert the film clip of the screening to frames and freedom of selecting frames.
9. Should also assist in image enhancement and compression for faster and efficient transmission.
10. Should have Mydriatic colour, Fundus Fluorescein angiography (FFA) and Corneal imaging modes.
11. Should have adjustable intensity, gain, balance, brightness, contrast, and gamma.
12. Still images and burst mode images.
13. Should be compatible for report generation, DICOM export and PACS support and Telemedicine.
14. Image resolution 1920 x 1080 HD or above.
15. Minimum Pupil diameter 4mm
16. Should supply branded laptop/ integrated monitor
17. Processor should be i5 or i7 or above
18. RAM size should be 16GB or more.
19. Hard disk space should be 500 GB or more.
20. Monitor Size should be 15 inches or more.
21. Equipment trolley/table to be provided with the equipment.
22. Certifications: Equipment should be BIS/CDSCO/ ISO certified
23. Demonstration of equipment is mandatory
24. Warranty of 05 Years followed by 05 years CMC.