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**Technical Specifications for sCMOS Sensor based Monochrome Camera**  
**RFX NO. 610000759 (Reference No. 100016550)**

Detailed Description: sCMOS Sensor based Monochrome camera

Camera specifications:

1. Pixel size: 6.5  $\mu\text{m}$ (H)\*6.5  $\mu\text{m}$  (V)
  2. Pixel: at least 2000 (H)\*2000 (V)
  3. Type: Monochrome
  4. Frame rate: at least 30 FPS @ full resolution
  5. Quantum efficiency: up to 82% at peak
  6. Spectral range: 370-1000 nm
  7. Readout noise: Not more than 2 rms e<sup>-</sup>. Dark current: Not more than 0.8 e<sup>-</sup>/pixel/s
  9. Full well capacity: 30000 e<sup>-</sup>. 10. Dynamic range: at least 30000:1
  11. Binning: 1X1, 2X2, 4X4
  12. 16 Bit A/D
  13. Operating temperature: 10-40 degree C
  14. Optical mount: C-mount
  15. Warranty: 1 year
- A. The camera should come with a software and required drivers.
- B. User manual and all relevant documentations should be provided in English.
- C. The camera should come with all necessary cables and accessories for working of the camera.
- D. The camera must be upgradable to higher speed (100 FPS @full resolution, camera link/ethernet/PCI express).**