

HIGH SPEED DIGITAL CAMERA AND ACCESSORIES

Camera requirement:

Colour CMOS camera

- Sensor: 12 bit CMOS with less than 20-micron size pixel
- Image Resolution (pixel): Full resolution of 4 Megapixel with a minimum frame grabbing rate of 700 frames per second
- Grayscale resolution: 12-bit gray scale resolution
- Minimum sensitivity: Colour – ISO 1000
- Minimum of 700 frames per second at a minimum 4K resolution
- Minimum of 50,000 frames per second at lower resolution
- Ability to record variable region of interest Circular image buffer
- Shutter: Global electronic shutter variable down to less than 3 μ s
- Recording: Manual and external trigger
- Recording Modes: Start, End, Center, Manual, and, dual speed recording
- Control signal interface to programmable logic controller
- Software to control the system and view images
- Operating system: Software compatible with Microsoft Windows 7 or Windows 10
- Programmable delay on selected input and output triggers
- Phase locking capability to be precisely synchronized to an external source
- Strobe output for synchronizing other events with the camera
- Saved image formats: BMP, TIFF, JPEG, AVI, RAW
- Segmented or partitioned memory is desirable
- Memory: 32 GB
- Provision for user entered event markers
- Lens mount: Interchangeable F mount and C Mounts
- Operating temperature: up to 40 degrees C
- Power requirements: should be able to work with 220 V AC power supply or on batteries
- Minimum warranty for 1 year from the date of installation

Each quotation of camera should also include a catalogue, containing technical specification of the camera offered, failing which the offer is liable to be rejected. Also, include the offer for the provision of extendable memory and extendable warranty for 2 and 3 years. Similar Camera should have been supplied at other PSU, Government Organization or Institute of National Importance in India. Please furnish PO for the same.