

SALIENT CHARACTERISTICS

2/6/2023

High Speed Digital Video Camera Requirement.

The below characteristics are specific to mission support requirements for the 2 ROPS Mobile Optics Section. This is a Brand Name or Equal Requirement. Though some of these requirements are stated from, the manufacture information the requirements are tied to mobile optics equipment it be supporting and tested to that equipment.

Four Megapixel High-Speed Digital Camera

Full Resolution 2048px recording at a minimum frame rate of 800fps internal ram storage for 3 Seconds or better and 200fps on removable storage device for up to 20 minutes.

Minimum of 1us Exposure Time

Global Shutter Capability

Bit Depth: 10 to 12-bit

Day Light ISO: Color 4,000

MISB Standard - IRIG B frame time stamping

Real Time Video Out: 3G-SDI

On Board Storage Capable

Canon EOS Lens Mount

Canon EOS Lens Mount compatible for use on the Phantom T1340 High Speed Camera system. Must have EOS lens control for the camera and control on the lens mount.

Cine Station IV

Cine Magazine download station to allow for processing raw imagery form the CineMag storage device to PC's.

Phantom CineMag V

2 TB CineMag V removable storage device compatible with the Phantom T1340 Camera systems and Cine Station download station.

Camera Carrying Case

Ruggedized waterproof carrying case that will securely fit the Phantom T1340 Camera and accessory equipment, with carrying handles and wheels.