E. Storage Array

    1.   The storage array shall be a high-availability ATA RAID storage architecture that uses fault tolerant technology based on broadly available disk technology that will support many standard disk drive sizes from multiple disk drive vendors modules.

    2.   The storage array shall have the following field replaceable units (FRU): disk drive, blower fan, controller and power supply. In the event of a single drive failure the storage array shall automatically and without user intervention rebuild the RAID array using a spare disk inside the chassis.

    3.   The storage array shall provide an in-box self-contained management interface that does not require a separate server or application running on a separate server to manage.

    4.   The storage array shall support RAID multiple RAID sets and multiple sets per partition. The array shall provide the ability to support hot standby spare disks per each RAID set.

    5.   The storage array shall connect to the server farm and camera arrays in a SAN via iSCSI or via Fibre Channel. The density of storage accessible from each iSCSI or FC port, per TB of storage shall be no more than 2 ports per 15TB of storage.

    6.   The storage array shall provide a minimum fully packaged storage density of at least 4.5TB per standard rack measurement unit (1U). This will provide a minimum of 180 TB of useable storage in a standard rack.