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graph TD; DDFS[Distributed File System (HDFS)] --> IFL[Input Format Layer]; IFL --> BDEE[Big Data Execution Engine (Spark, Spark Streaming, Hadoop)]; BDEE <-->|Communication layer| VPT[Video Processing Toolboxes (Matlab)];
```

Big Data Execution Engine  
(Spark, Spark Streaming, Hadoop)

Communication layer

Video Processing Toolboxes  
(Matlab)

Input Format Layer

Distributed File System (HDFS)