

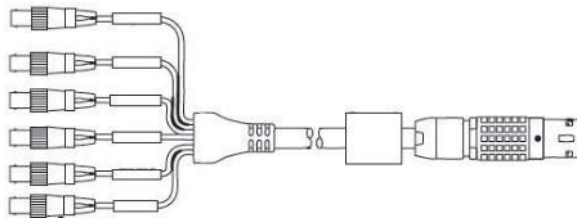


TECH NOTE

Title: Synchronization of multiple i-SPEED 3 cameras
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Keywords: i-SPEED 3, Synchronization, sync, master camera, slave camera, feature lead

To ensure that all cameras are framing at the same speed and frames are aligned, the cameras need to be synchronized. This is achieved by taking the 'sync out' from the master camera (The master camera is the main camera that will control all the other camera speeds), and connecting into the 'sync in' of the remaining cameras (Slave cameras). When the frame rate is set on the master camera the other slave cameras will lock to that same speed, and will all be framing at the same time.

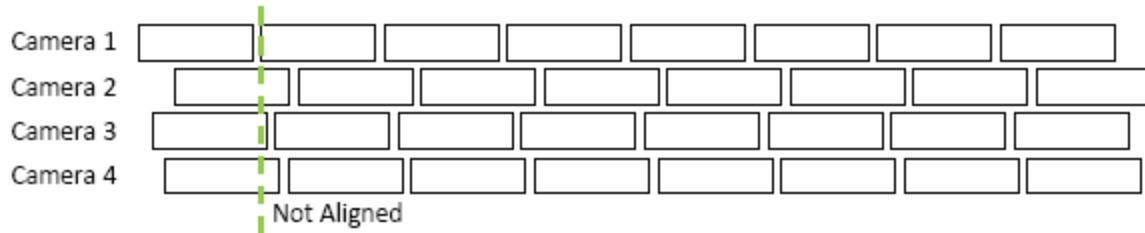
To get access to the sync signals a feature lead is required for each camera.



When making the appropriate connections on the feature lead, BNC leads of suitable length (application dependent) will be required. In addition, BNC 'T' pieces will be required.



If multiple cameras are not synchronized the frame exposure times will not be aligned



By synchronizing the cameras we can ensure the frame exposures are aligned

