
CV.PR.IG EN

Parallel Rig Instalation Guide

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1. Introduction

CinemaVision presents *Parallel Rig* - a convenient solution for the proper recording of long shots while working on a 3D film productions sets.



2. Camera setup

Before starting the work with the *Parallel Rig* we have to properly compose cameras to work in 3D.



The 3D film set should be equipped with two the same cameras and two identical certified lenses.



Please note, that during the work all parameters of the cameras must be exactly the same. Also Back Focus on both cameras have to be properly tuned. Its dysregulation, or incorrect setting significantly impedes the further proper work.

Equally important is proper selection of lenses. We should choose the same, twin lenses, certified for shooting in 3D. During further work we should also ensure, that their settings are always identical.



3. Equipment setup

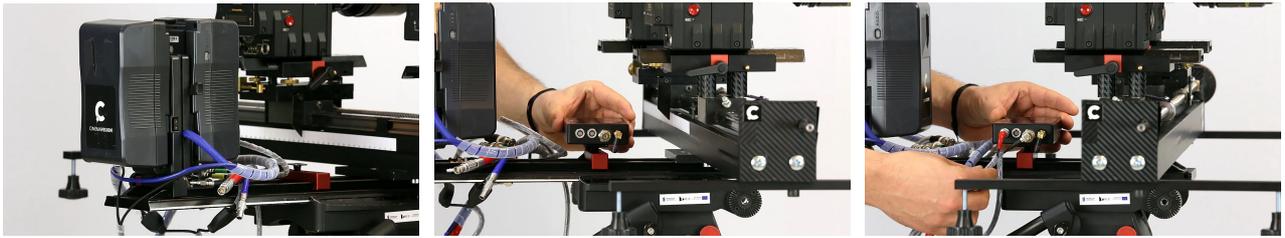
Using brass screws attach CinemaVision mounting plates to the bottom of the cameras.

Cameras should be placed on the Ring always in the same places - left on left trolley, and right on the right one. It is worth remembering that the lenses should be always assigned to a particular camera (left to left and right to right) and to install them always in the same way. This will facilitate the subsequent set synchronization and ensure its repeatability.

On the *Parallel Rig* are two trolleys. The left one is a floating trolley - equipped with three screws used to synchronize the system. The right one is fixed.



The next step is connecting proper power supply and mounting Ambient Lockit device responsible for Timecode and Genlock signal transmission.



Now appropriate cables can be connected to the cameras: sync cable from Lockit device, GIG-E Master/Slave communication cable, power. We do the same for the both cameras.



Sync cable

GIG-E Master/Slave cable

Power

Now the CinemaVision 3D set is ready to be synchronized.



4. Synchronizing set with *Camera Calibrator* application

CinemaVision presents *Camera Calibrator* – an application supporting synchronization of 3D film sets. The program is an effective solution providing fast and simple synchronization of stereoscopic movie sets.

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