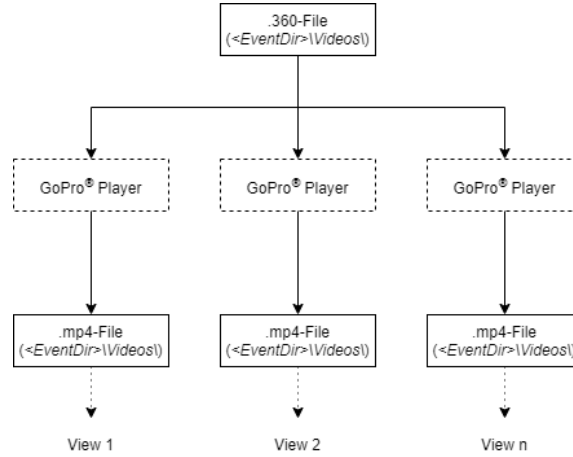


GoPro® AutoSync

Add multiple videos from one 360-file

1 Description

This manual is intended to show how several videos with different views can be integrated from the raw data of a 360° video from a GoPro MAX camera.



Therefore, from only one GoPro® MAX camera multiple, different videos with different views can be created and then automatically synchronized measurement data in 2D Analyzer.




- At current state of the 2D GoPro® AutoSync feature, only one view can be added automatically by default. The required steps to automatically attach multiple views from one GoPro® MAX camera are shown in the following.

2 Required steps



- The following steps must be executed for every video with desired view.
- The basic idea is, that every video with a different view gets a new SerialNumber.

GopPro® Player	<ol style="list-style-type: none"> 1. Open raw 360-file from <u>video event folder</u> (<EventDir>\Videos) in GoPro® Player for editing 2. Edit video to get desired view of the video 3. Export video <ol style="list-style-type: none"> a. Chose video event folder (<EventDir>\Videos) as export directory b. Chose export name: Change last value of SerialNumber-part of file name and export video 																																
	<table border="0"> <tr> <td>Original File name</td> <td></td> <td>Exported file name</td> </tr> <tr> <td>029012_20210203154756.360</td> <td style="text-align: center;">→</td> <td>029013_20210203154756.mp4</td> </tr> </table>	Original File name		Exported file name	029012_20210203154756.360	→	029013_20210203154756.mp4																										
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AvailableVideos.ini	<ol style="list-style-type: none"> 4. Open respective AvailableVideos.ini from video event folder (<EventDir>\Videos) 5. Copy respective group of original file name, change the SerialNumber in group name of copied entry and delete the white entries. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #ffff00;">Original AvailableVideos.ini group</th> <th style="background-color: #ffff00;">Copied AvailableVideos.ini group</th> </tr> </thead> <tbody> <tr> <td style="background-color: #ffff00;">[029012_20210203154756.MP4]</td> <td style="background-color: #ffff00;">[029013_20210203154756.MP4]</td> </tr> <tr> <td>FrameRate=59.940</td> <td>FrameRate=59.940</td> </tr> <tr> <td>Length=84.000</td> <td>Length=84.000</td> </tr> <tr> <td>Model=GoPro MAX</td> <td>Model=GoPro MAX</td> </tr> <tr> <td>Version=HD19.03.02.00.00</td> <td></td> </tr> <tr> <td>Serial=C3355135029012</td> <td>Serial=C3355135029012</td> </tr> <tr> <td>Copy_Date_UTC=20210203</td> <td></td> </tr> <tr> <td>Copy_Time_UTC=16:00:50</td> <td></td> </tr> <tr> <td>GPS_SOD=56876.368</td> <td>GPS_SOD=56876.368</td> </tr> <tr> <td>GPS_Time=15:47:56.368</td> <td></td> </tr> <tr> <td>GPS_Date=20210203</td> <td>GPS_Date=20210203</td> </tr> <tr> <td>Precision=364</td> <td>Precision=364</td> </tr> <tr> <td>ExtraPolDiff=0</td> <td></td> </tr> <tr> <td>First latitude=48.9326905</td> <td></td> </tr> <tr> <td>First longitude=8.414558</td> <td></td> </tr> </tbody> </table>	Original AvailableVideos.ini group	Copied AvailableVideos.ini group	[029012_20210203154756.MP4]	[029013_20210203154756.MP4]	FrameRate=59.940	FrameRate=59.940	Length=84.000	Length=84.000	Model=GoPro MAX	Model=GoPro MAX	Version=HD19.03.02.00.00		Serial=C3355135029012	Serial=C3355135029012	Copy_Date_UTC=20210203		Copy_Time_UTC=16:00:50		GPS_SOD=56876.368	GPS_SOD=56876.368	GPS_Time=15:47:56.368		GPS_Date=20210203	GPS_Date=20210203	Precision=364	Precision=364	ExtraPolDiff=0		First latitude=48.9326905		First longitude=8.414558	
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Event.ini	6. Open respective Event.ini from event folder (<EventDir>)														
	7. Add new <i>Camera</i> and <i>Name</i> entries and change last value of SerialNumber														
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Now, the respective measurement can be selected in WinARace, VideoCMDLine.exe can be opened from WinARace-Toolbar and by clicking Automatic button, all videos that fit in time of measurement will be added:

Attach video file(s) to measurement Event: UPDATE_TEST Data: 0301-LGDSV3-07

Video number	Video file	Rate play [fps]	Rate MCI [fps]	Length MCI [sec]	Offset [sec]	Fine adjust [sec]	Camera nr.
1	<EventDir>VIDEOS\754000_20200301142449.MP4	59.940	59.940	68.000	-8.905	0.000	1 (Helmet)
2	<EventDir>VIDEOS\029012_20210203154756.MP4	59.940	59.940	84.000	-4.012	0.000	2 (MAX Rear view)
3	<EventDir>VIDEOS\029013_20210203154756.MP4	59.940	59.940	84.000	-4.012	0.000	3 (MAX Front view)