

# MOTO-VIDEOGRAPHY 101

Presenter: Moses Mai

Date: 4/21/2019

Audience: Houston BMW Club



**BMW Motorrad**

BMW Club  
of Houston, Ltd.



# TALKING POINTS

- Video Resolutions / Frame Rates
- Videography Basic: Shot Types
- Video Pointers / Suggestions
- Gear Head – Equipment and such
- Camera Placement / Mounting
- Video Editing – General Process
- Video Editing – Pointers / Suggestions
- Q & As
- View Bike Setup



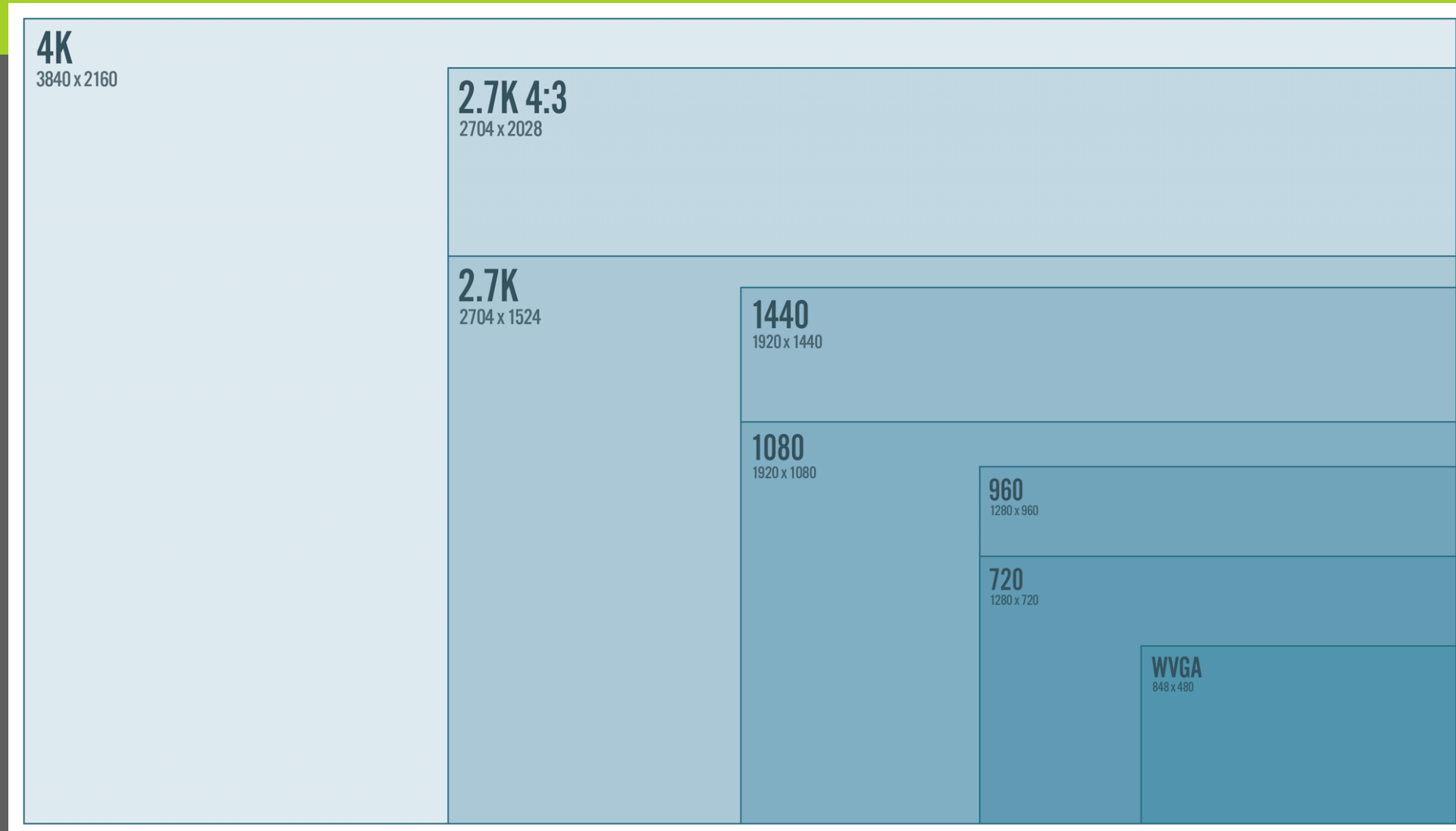
# VIDEOGRAPHY: RESOLUTIONS / FRAME RATES (FPS)

- Resolution

- HD (720)
- FHD (1080)
  - 128GB = 2 days of full 8-10 hrs riding @30 fps
- UHD (4K)
  - 128 GB = 1 day of 8hrs @fps

- Rates

- 30 Frames per sec standard home / youtube videos
- 24/25 cinematic
- 60 / 90 for slow mo
- 120 / 240 FPS for super slow mo



# VIDEOGRAPHY: BASIC SHOTS

- Wide (Far) Shots
- Mid Shots
- Close / Close-Up Shots
- Action Shots
- 360 Shots
- Pulling Up / Away shots
- Time Lapsing
- Slow Motion versus Rapid Time
- Over the Shoulders, Head, Bike.
- Unique angle top / down , down / up
- Moving Camera versus Moving Subject
- Drone Shots
- Fail Shots



# WIDE /FAR SHOT

- Mainly about the landscapes scenery
- But try to get your bike / or person in there so it's just not "another" landscape picture ( which could be Googled off the internet :P )
- This drone shot definitely a "far" shot
- With the GoPro or your Digital Camera, would be still be nice shot at ground level.
- Use tripod or mounted on bike if you can



# MID-SHOT

- Close enough to see people's face
- Far enough to see nice scenes
- In videography world, mid shot is normally from waist up / half body but.
- In motorbike world, we like to get motorbike and camping site into view as well.



# CLOSE-UP SHOT

- Clear picture of faces or motorbikes
- Get up and personal so can see emotions and expressions
- We don't get enough close up "pain" shots when we drop our bikes .. lol



# 360 SHOTS / PANNING W/ STICK

- With GoPro stick
- Do slow / moderately slow 360 turns
- Practice and view the videos earlier on to ensure camera at right angle (don't cut off your head, lol)
- You don't want to do an entire trip and find out your angle was too high / low when you get home !
- Because you are in center of shot, easy to mix in other 360 footages and have nice full turn of different places..





# PULLING UP / AWAY SHORTS

- Place Camera Eye Level w/ tripod
- or Ground level with mini-tripod looking up
- Ride straight toward camera and passing as close as you can.
- Ride from behind camera into shot
- Pick a great landscape view
- Great way for action ride footage
- Can't get enough of you & bike in a full riding shot. Especially when riding solo..



# DRIVE BY / ACROSS SCREEN

- Fasten GoPro on mini-tripod to tree post, fence post, etc
- Or have a Drone hover 20 feet from ground
- Ride across camera shot
- Try different angles, from ground, mid-level, overhang, high point



# TIME LAPSING

- Use the Time Lapse feature of the GoPro or other action cameras.
- Use a tripod to keep camera still
- Set proper sec intervals
- 5-15 secs during the day, 20-30 secs at night seemed to work well for my shots



2D Europe 2017 Mongolia Vlog 1

# SLOW MOTION VERSUS RAPID TIME

- Slow Motion: Set to 60-90 fps for action footage that you want to do slow motion afterwards
- 120-240 for super slow motion – like water passing and want to see water droplets in slo mo
- Rapid Time: Speed up footage 25-50% makes a slow riding footage seem faster
- Works great when rounding a curve, makes you look like pro rider..



© D Europe 2017 Norway

# RIDING WITH A STICK

- Find a nice scenic smooth road, straight or sweeping curves
- Turn on GoPro w/ stick propped between legs and leaning on handle bars, etc.
- Go 30-45 miles then use selfie-stick, pan around slowly while riding
- Try different angles, bottom look up, top look down.. From behind your helmet.
- Try standing up once you get better at it



# OVER SHOULDER /HEAD SHOT

- Works great for both walking around w/ GoPro Stick
- Or on Bike while riding or if passenger has camera



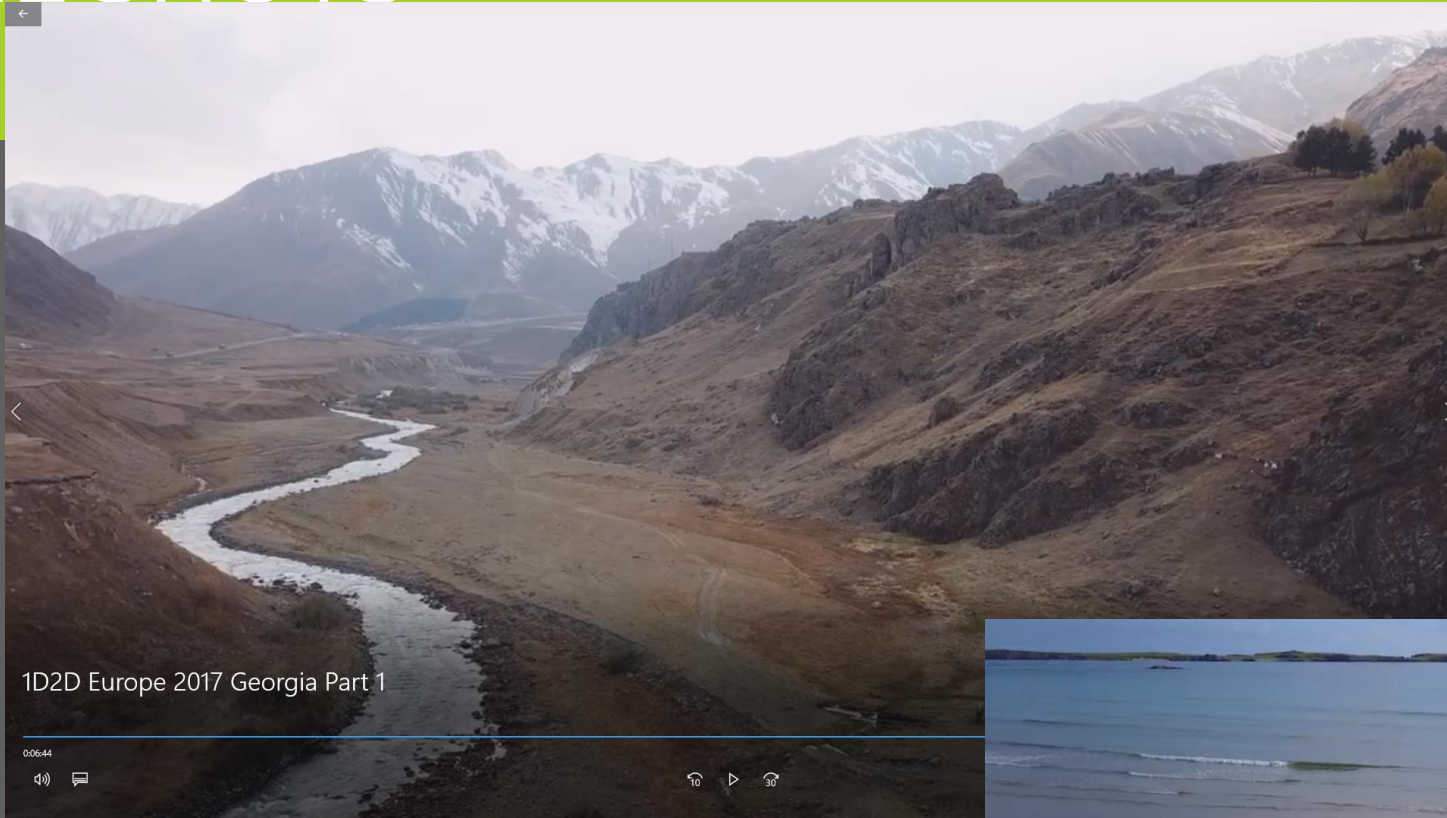
# UNIQUE SHOTS / ANGLES

- Take time and think of shot
- Try out all kinds of angles (get low to the ground or close to the bike?)
- Recording yourself performing natural tasks versus just posing for a shot
- Spontaneity often brings out amazing footage



# DRONE SHOTS

- Most beautiful shots
- Many have 4K 30/ 60 FPS support
- You only fly about 20 mins at a time, so record in 4K ..storage not as big an issue as with all day riding w/ go Pro
- Learn the "FOLLOW ME" mode on drone
- Types of great shots:
  1. Fly over head
  2. Backwards
  3. Pan across horizon
  4. Take off " the big reveal" shot
  5. Landing "closing shot" \ "looking down"





# FAIL SHOTS

- Fail shots are many times the best footage
- Because don't know when you will fall, they are often the funniest / most realistic shots
- When you fall, if you aren't hurt, take the time to record / take pictures of you/ bike on the ground, etc.
- Resist picking up the bike immediately unless you're in danger; they will become one of your best footages / snapshots.
- Great for story telling afterwards.



# VIDEO / PHOTO POINTERS

- Camera Angle
  - Moving beyond just eye-level
  - Try top/down or bottom/up
  - Watch angle of GroPro
    - when on self stick and bike
    - so you don't cut off your head , etc.
- Subjects versus Landscapes
  - Photos – include a subject so not just picture of a landscape
  - Pick an action photo over still poses
  - Be Involved / Engaging
  - Mix up the shots, not just same kinds
- Multi- Dimensional / Multi-Cam
  - Different Angles / Perspectives
  - Change views often if possible
- Audio
  - Independent / external mic for better audio
  - Say "Action" or Clap for audio cue/peak for post edit syncing of audio/video/multi-tracks
- Content
  - Make it fun / funny !
  - Be creative and silly ..
  - Interact with People



# EQUIPMENT: GEAR HEAD

- Cameras
  - GoPro 5/6
  - Sena 10C
  - Drone
  - Iphone /Android
  - DLSR or Mirrorless
- Camera Mounts
  - Helmets
  - Motorbike Mounts
  - Others
- Camera Tripods
  - Selfie Sticks
  - Tripods
  - Mini-pods



# EQUIPMENT: CAMERA

LINKS TO AMAZON IN PHOTOS  
OR SEARCH FOR UPDATED PRICES

## Action Cams

- [GoPro 5 \(\\$250\)/6](#) (\$400) black – best on the market but pricey : good deals on 5 now since 6 is out
- [YI 4K goPro](#) compatible good compromise (\$175)
- Other sub \$100 cams relative good as well



## Sena 10C (\$350)

- Bluetooth Comm w/ 1080 cam for Vlogging

## Drone – get collapsible / portable ones

- Spend a little more and get “flymore combos” w/ 3 batteries (cheaper than buying batteries separately?)

### DJI Mavic Pro (\$1K)

### DJI Mavic Air (\$800)

- I would go with Air.. Newer model, similar video and fly time as Mavic Pro

### DJI Spark (\$500)



## Iphone /Android (Iphone8+/Samsung 9+)

## DLSR or Mirrorless

- Mirrorless digital cameras are high quality and slimmer than most DLRs

- [Sony A6000](#) my favorite, easy to carry



# EQUIPMENT: CAMERA MOUNTS

LINKS TO AMAZON IN PHOTOS  
OR SEARCH FOR UPDATED PRICES

- **Helmet Mount**

- Curved goPro mount
- Most of the stuff is cheap but durable enough for 1 or 2 trip usage

- **Panniers / Flat Surface**

- Flat goPro Mount

- **Bike Mount**

- Clamp bar mounts \$10: [Sportgo](#)
  - Get a 3 or 4 incase they break on trip
- Ram mounts
  - Get a short and long Ram Mount arm for flexibility

- **Body Mounts**

- Use the body straps, head straps, wrist straps you'll find in GoPro mount bundles



# EQUIPMENT: TRI-PODS AND STICKS

LINKS TO AMAZON IN PHOTOS  
OR SEARCH FOR UPDATED PRICES

- Sticks

- Spend a little extra and get more durable stick. \$30-45
- [Nomadic Gear Pro](#)



- Tripods

- get quality ones so they don't break on the trips
- Get as compact as possible for easy packing
- Compact tripod: [Manfrotto \(\\$65-\\$99\)](#)

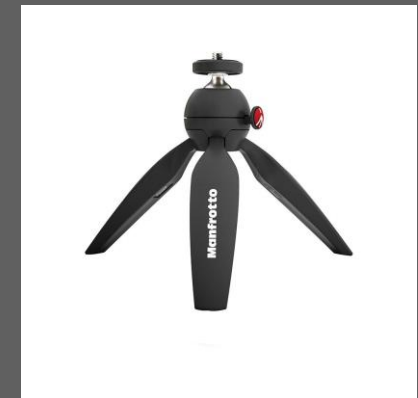


- Mini-pods:

- [Pedco Ultrapid II](#) (sub \$20)
- [Manfrotto Mini Tripod](#) (sub \$20)

- [GoPro Tripod Mounts](#)

- Send extra bucks and get the few of the aluminum versus the plastic ones that break all the time..
- It's sucks to be in the trip w/ a broken goPro tripod mount.. Can't use stick or tripod for goPro shots



# CAMERA PLACEMENT / MOUNTING

- Helmet
  - Top
  - Side
- Bike Mounts
  - Panniers
  - Front Mount
  - Side / behind Ride
  - Low by Engine / Motors
- Ground
  - Riding up / away
  - Ride by
  - Drone Top Down



# CAMERA PLACEMENT: HELMET

- Helmet
  - Top
  - Side





# PANNIERS : LEFT / RIGHT OUTER EDGE

- If have hard Panniers, one of the best places for GoPro Mounts
- Amazing views of road and landscapes as you ride
- Even better footage when you fall
- Try to also turn camera backwards and film your friends or you riding away..



# PANNIERS : LEFT / RIGHT OUTER EDGE

- If have hard Panniers, one of the best places for GoPro Mounts
- Amazing views of road and landscapes as you ride
- Even better footage when you fall
- Try to also turn camera backwards and film your friends or you riding away..



# FACE FORWARD RIDE SHOT

- GoPro via RAM mounted on dashboard facing backwards to rider
- Gives quick glance on what rider / passenger emotions are
- Shows motion in rear view



# FACE FORWARD RIDE SHOT

- GoPro via RAM mount on dashboard facing backwards to rider
- Gives quick glance on what rider / passenger emotions are
- Shows motion in rear view
- Turned forward for mid level action



# MID GROUND / RIGHT BIKE VIEW

- GoPro via handle clamp mount on upper crash bar
- Gives fast closeup shot of road
- Looks great on curvy roads or off-roading



M

- GoPro handle mount upper bar
- Gives first person view of road
- Looks good on curvy roads & road riding



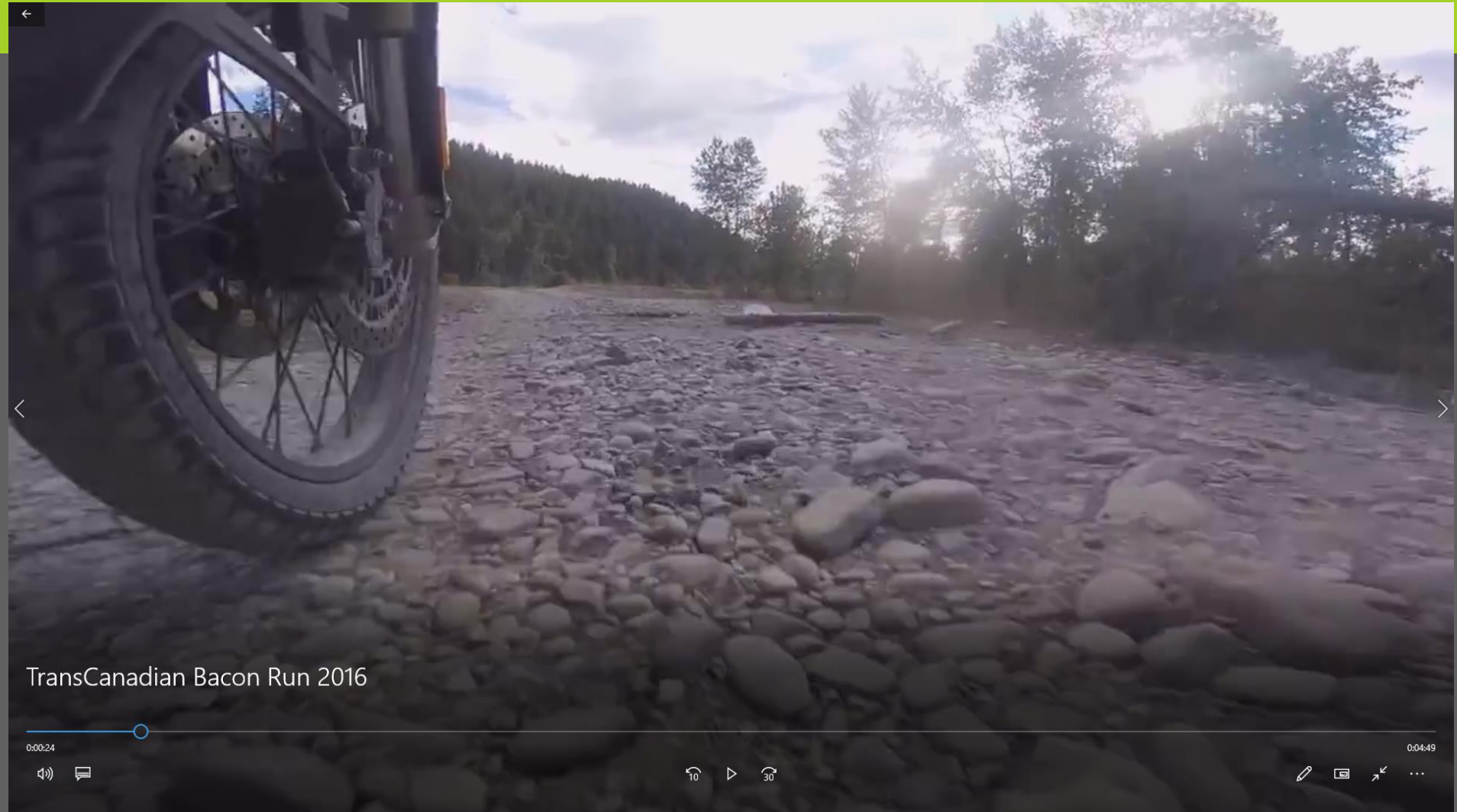
# LOW GROUND / FRONT WHEEL VIEW

- GoPro via handle clamp mount on engine guard under right engine
- Gives fast closeup shot of road
- Looks great on curvy roads or off-roading
- The lower the camera, the faster the action appears



# LOW GROUND / FRONT WHEEL VIEW

- GoPro via handle clamp mount on engine guard under right engine
- Gives fast closeup shot of road
- Looks great on curvy roads or off-roading
- The lower the camera, the faster the action appears





# LOW GROUND – SIDE CRASH BARS

- GoPro via handle clamp mount on engine guard
- Low lateral view
- Gives fast closeup shot of road
- Looks great on curvy roads or off-roading
- The lower the camera, the faster the action appears



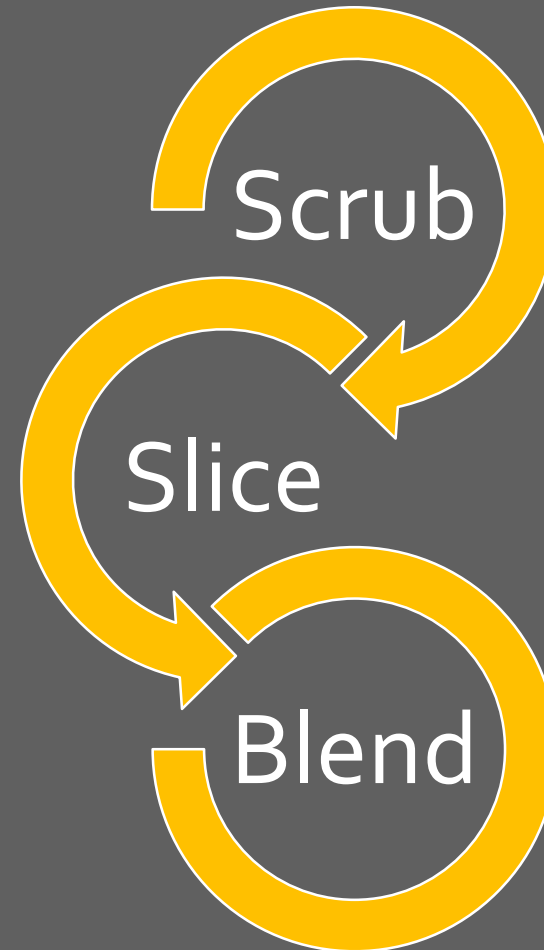
# LOW GROUND / FRONT WHEEL VIEW

- GoPro via handle clamp mount on engine guard under engine
- Gives fast closeup shot of road
- Looks great on curvy roads or off-roading
- The lower the camera, the faster the action appears



# VIDEO EDITING: GENERAL WORKFLOW

- **Scrubbing Videos**
  - Organizing your clips by
    - trip name/dates
    - Each day of trip ?
    - Camera #/ name if you have multiple Cams
  - Markers / Tagging
    - Use camera and software tagging feature to mark cool sections of clips for later reviewing
- **Slice / Dicing**
  - Cut / Paste clips footages you want into timeline
  - Learn short cuts in your software for quicker edits
- **Blend/Transitions**
  - Action
    - Quick switching
    - In fast action, may not need a transition
  - Slow
    - Dissolve / fade in/out is normal transition
    - Try other custom transition effects



# VIDEO EDITING: GENERAL WORKFLOW (PART 2)

- Video Syncing
  - multiple video/audio tracks may need syncing up
  - Use angles, an audio peak, or a time stamp to align multiple video / audio tracks
  - While shooting footage, create an audio peak by saying "Action" or clapping at the beginning of each video take to make it easier to sync in editing
- Audio Sync
  - Use the "Action" / Clap to sync audio
  - Sync w/ Music by marking to beat of music
- Normalizing
  - Audio - leveling audio / transitions
    - Clips may have different level of sound moving between footage
    - Use the software's normalizing feature to balance out the sound
  - Video – color correction / transitions
    - Different footage may have different color saturation / exposure
    - Use color to blend the transition .. This is advance
- Titles / Credits
  - Don't forget to add Titles at beginning, and credits for actors / music
  - Add notations and call out during footage to point out locations, actions, etc.
- How to Organize Clips in your Movie ? Group them by..
  - Linearly, as they happened during your trip
  - Subject / Topic .. Group footages by particular subject, topic, event
  - Group similar shots together? 360 panning , riding footage, walking footage in groups..



# VIDEO EDITING: SUGGESTIONS

- Take time / put in effort for the shot
- Make use of at least 2 cameras during interesting sections of ride
  - One from bike , one from ground?
  - One from helmet, other from bike?
  - Two areas of bike?
- Balance out views / sections of footage of riding, walking etc.
  - Too long of section or a particular view, people get bored
  - Mixed up the different views during eliding
- Mix music sections w/ audio interaction of narration / people
- Try to enjoy the process of Video Editing, you can only get better at it..
- Watch other people's video and pick out things you like..
- The Canadian Bacon Run was one of my more complex shots in a video.. <https://youtu.be/1OSJIVfYqwk>

