

All you need to know is...

- ...You need an extra microphone, close to the subject
- ...You need a stabilizer
- ...You need an app
- That's it! Have a nice day!

Jarle Leirpoll © 2017

Focus is important

Jarle Leirpoll © 2017

Peaking

- Helps yo see what's in focus
- Peaking in action

Peaking

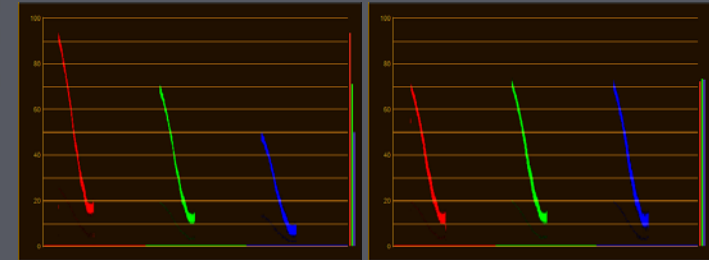
Jarle Leirpoll © 2017

Before and after White Balance



Jarvis Larpell © 2017

White Balance is Color Balance



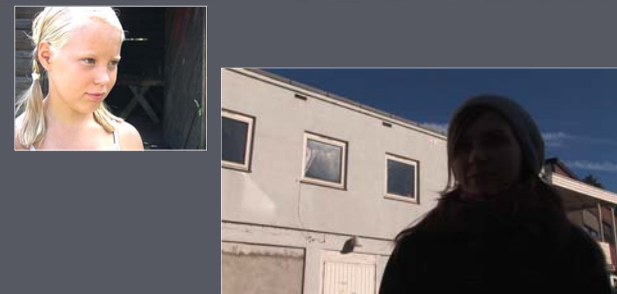
Jarvis Larpell © 2017

Exposure

- how bright is the image?

Jarvis Larpell © 2017

Auto Exposure fails often



Jarvis Larpell © 2017

Auto Exposure



Jarle Lierpestøl © 2017

Zebra

- Zebra in the highlights of the face when set to 70%



Jarle Lierpestøl © 2017

Reflector to reduce contrast



Jarle Lierpestøl © 2017

Camera on the darkest side



Jarle Lierpestøl © 2017

Settings that affect Exposure

- Shutter Speed, Gain/ISO, Aperture,

Jarvis Lempell © 2017

Shutter Speed



Jarvis Lempell © 2017

1/50 sec vs faster speeds



Jarvis Lempell © 2017

Shutter Speed is storytelling

- [Homeland](#) 2'46



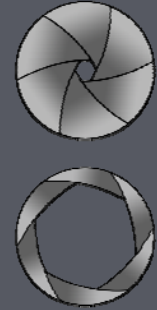
Jarvis Lempell © 2017

Frames per second, FPS

- The more frames per second, the smoother the motion
- 50 Hz light in Europe, so 25 or 50 fps
- 60 Hz light in US, so 30 (29.97) or 60 (59.94) fps
- Film is 24 fps (23.976)
- [FPS compare](#) (60 fps)

Jarvis Lattrell © 2017

Aperture and Depth of Field



Jarvis Lattrell © 2017

Aperture is storytelling



Image from Reverie,
Vincent Laforet

Jarvis Lattrell © 2017

Gain / ISO



[+18 dB Gain](#), From Camera
[+18 dB Gain](#), 3mbps
[+18 dB Gain](#), 1mbps

Jarvis Lattrell © 2017

ISO/Gain is Storytelling

High ISO = Grainy = Documentary style?

Janis Lierpold © 2017

Shoot footage that's easy to edit

- save time in post!

Janis Lierpold © 2017

Handheld or not?



reducer.net



reducer.net

Janis Lierpold © 2017

Handheld Smart Phone

- Handheld, NO Stabilization
- Handheld, Internal Stabilization ON
- A Stabilizer is way better
- https://www.djivideos.com/video_play/df910581-d994-459a-9eaf-0aacefbcc4cb
- Internal Stabilization may interfere with a Stabilizer

Janis Lierpold © 2017

When the subject is moving

- Let them into, and out of the frame
- Repeat movement
 - Man stops to look around
 - Man drinks coffee

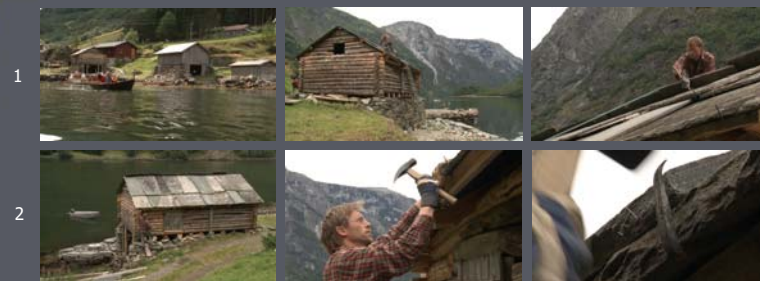
Jarle Løvgren © 2017

Sequences

- Minimum 3 shots from different angles with different framing
- 30-degree rule

Jarle Løvgren © 2017

Sequences

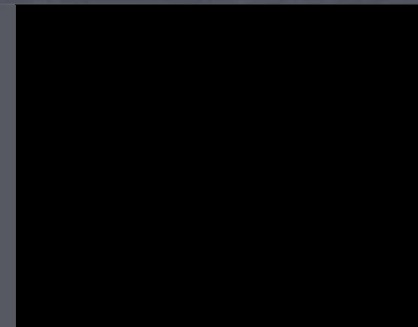


- Sequence Boathouse
- Sequence Shipyard

Jarle Løvgren © 2017

The visual evidence

- One shot or one situation that shows the main message



Jarle Løvgren © 2017

Audio

- the most important part!

Jarvis Larpoll © 2017

Audio

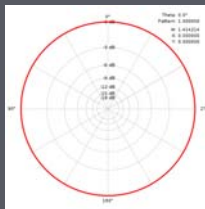


- There's only one way to get good audio: a **close microphone**
- **Typical distance: 20-30 cm**
- Finger i your ear

Jarvis Larpoll © 2017

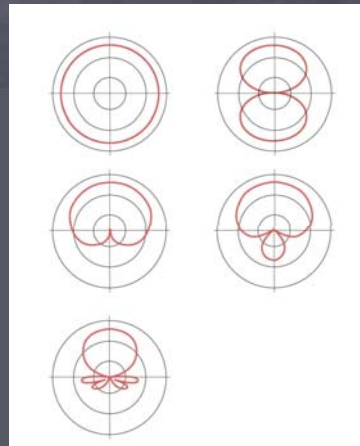
Polar Patterns

1. Omni
2. Figure 8
3. Cardioid
4. Supercardioid
5. Shotgun



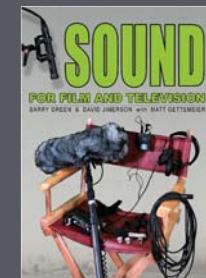
By Nettings at English Wikipedia
<https://commons.wikimedia.org/wiki/index.php?curid=40368483>

Jarvis Larpoll © 2017



Sound Quality Samples

- Mic too far away
- Close Microphone



"Sound for Film and TV".
(Wrightsville Beach Studios, 2008)

Jarvis Larpoll © 2017

Automatic or manual Audio Levels?

- [Automatic vs Manual](#)



Jarko Leppell © 2017

Close microphone – always

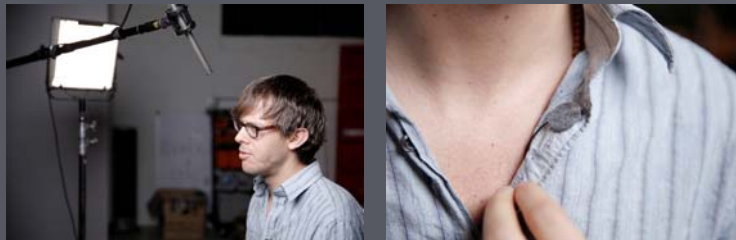
- [Dual System Sound Quality](#)
- Remove it in post



Jarko Leppell © 2017

Comparison

- [Comparing Microphones in an Interview 1'46](#)



Jarko Leppell © 2017

Avoid those long arms



Jarko Leppell © 2017

Interview situations

- Faktor
 - Sitting on a chair
 - Handheld
 - Walkaround
- Chiropractor
 - On the bench

Jarle Lierpelt © 2016

It *is* possible

...to get good sounding interviews



Shotgun on stump



Jarle Lierpelt © 2016

Jarle's best interview tips

- Interviews should aim for feelings, opinions, experiences
- Facts belong in the voice-over
- How does the main character handle resistance and conflict?
- Ask if they want to add something
- Keep eye contact, do not look at your notes or the camera screen
- Don't ask a new question immediately
- They will get an urge to fill the silence, and will keep on talking – more freely
- Put on a lavalier, and let them do something

Jarle Lierpelt © 2016

Choose the location wisely



What does a white wall tell you about a person?



Jarle Lierpelt © 2016

Random Smart Phone Video Tips

Jarle Lierpoll © 2017

Make sure the quality is good

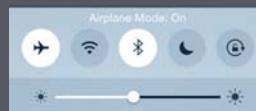
- Corporate video shot on iPhone
Fides 2015 by Lou Denim
vimeo.com/146444052



Jarle Lierpoll © 2017

Tips

- Flight mode!
- Battery – you need extra power packs and a charger
- Storage space
 - Dump often, or use an SD-card (Android)
- 4k for resizing
 - Crop in Post
- Use DropBox, OneDrive, Google Drive etc. to send video files



Jarle Lierpoll © 2017

Beware of variable frame rate

- Causes audio sync problems
- Some apps can do constant fps (FiLMiC Pro)
- Huge problem in Premiere Pro
- Use Handbrake to convert
- Not a problem in VLC Player, FCPX and iMovie

Name	Frame Rate
VID_20170113_161537.mpg	26,96 fps
VID_20170113_162010.mpg	25,67 fps
VID_20170113_162108.mpg	26,80 fps
VID_20170113_162141.mpg	35,49 fps
VID_20170113_162508.mpg	32,19 fps
VID_20170113_162524.mpg	38,49 fps
VID_20170113_162544.mpg	33,08 fps
VID_20170113_162918.mpg	40,32 fps
VID_20170113_163539.mpg	31,92 fps
VID_20170113_163624.mpg	35,30 fps
VID_20170113_163634.mpg	33,14 fps
VID_20170113_163719.mpg	33,21 fps
VID_20170113_163725.mpg	38,21 fps

Jarle Lierpoll © 2017

Tips

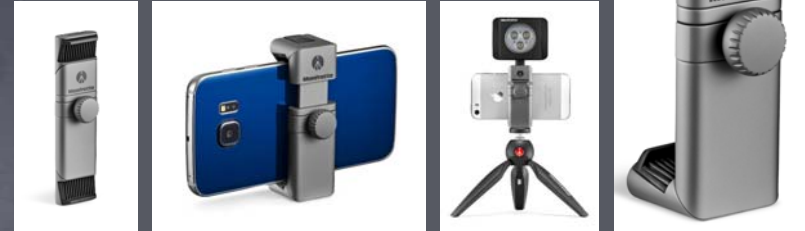
- Use apps that gives you control over frame rate, exposure, focus etc.
 - FILMiC Pro (filmicpro.com)
 - Cinema FV-5 (cinemafv5.com/)
- Audio is still important!
 - External microphone
 - Or separate audio recorder
- Keep that cell phone steady



Janis Lerpoll © 2017

Manfrotto TwistGrip

- manfrotto.co.uk/twistgrip-universal-smartphone-clamp



Janis Lerpoll © 2017

Lightning microphones

- <http://www.rote.com/microphones/mobile>
- <https://www.zoom.co.jp/products/handy-recorder/iq6-xy-stereo-microphone-ios>
- <http://www.shure.com/americas/motiv/overview>



Janis Lerpoll © 2017

iRig

- ikmultimedia.com/products/cat-view.php?C=mobile



iRig PRE
XLR microphone interface
for iPhone/iPod touch/iPad and Android devices

Janis Lerpoll © 2017

Sennheiser MKE2 Digital

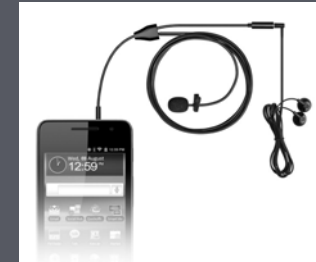
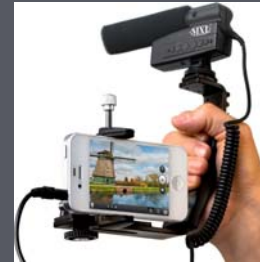
- Digital input on iOS
- Less noise



Jarvis Lempell © 2017

MXL Mics

- mxlmics.com/microphones/mobilemedia/
- Has a headphones output



Jarvis Lempell © 2017

Røde VideoMic Me Directional Microphone

- + Røde WS9 Deluxe Wind Shield



Jarvis Lempell © 2017

Røde iXLR



rode.com/microphones/i-xlr

Jarvis Lempell © 2017

Røde SC4 3.5mm TRS to TRRS adaptor

- "The SC4 is a high-quality shielded adaptor, designed to allow microphones with a 3.5mm output to connect to TRRS smartphones and tablets".
- <http://www.rote.com/accessories/sc4>



Jarvis Lupton © 2017

iKlip

- <http://www.ikmultimedia.com/products/cat-view.php?C=stands>



Jarvis Lupton © 2017

Microphones

- Røde video mic
- Sennheiser Lavalier (wireless)
- youtu.be/SE7ji07LPig



Jarvis Lupton © 2017

iOgrapher

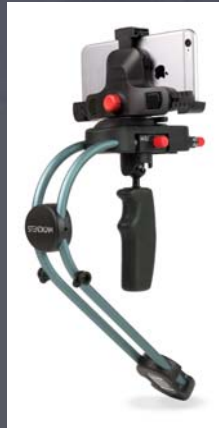
- <http://www.iograph.com/>



Jarvis Lupton © 2017

Steadicam Smoothee

- <http://tiffen.com/steadicamsmoothee>



Mark Lippell © 2017

iStabilizer gimbal

- <https://istabilizer.com/products/istabilizer-gimbal-smartphone-video-stabilizer>
- <https://www.youtube.com/watch?v=CxFtFWCOEwY>



Mark Lippell © 2017

StablCam

- <http://stayblcam.com/>



Mark Lippell © 2017

DJI Osmo Mobile

- <http://www.dji.com/product/osmo-mobile>
- User manual: https://dl.djicdn.com/downloads/osmo+mobile/all+language/Osmo+Mobile+User+Manual_v1.0_EN_20160905.pdf
- Can control FiLMiC Pro with buttons!



Mark Lippell © 2017

Lens adapters

- iOgrapher 37 mm
- ollicip
- [Moondog Labs anamorphic adapter](#)
- [iPro Lens system](#)



Janis Lutzpelt © 2017

There's an app for that

Janis Lutzpelt © 2017

FiLMiC Pro

- <http://www.filmicpro.com/apps/android/filmic-pro-android/>
- <http://www.filmicpro.com/apps/apple/filmic-pro/>
- <http://www.filmicpro.com/gear/>
- <http://www.filmicpro.com/videos/tutorials/>
- <http://epictutorials.com/epic-guide-filmic-pro-tutorial-series/>
- Cinematic Secrets of FiLMiC Pro:
<https://youtu.be/hSkyKEF7a3Q>



Janis Lutzpelt © 2017

FiLMiC Remote

- Control FiLMiC Pro on another phone



Janis Lutzpelt © 2017

FiLMiC Plus

- For older Android phones, not supported by FiLMiC Pro
- Less options, but still not bad
- Check if you get variable frame rate



Jarvis Lintzell © 2017

Cinema FV-5

- <http://www.cinemapv5.com/>
- <https://www.youtube.com/user/CinemaFV5www.cinemapv5.com/>

- Other apps
 - Precorder
 - iMovie
 - VideoGrade
 - And many more



Jarvis Lintzell © 2017

Mavis

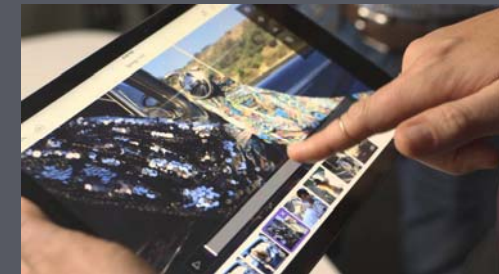
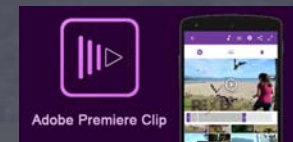
- <http://www.shootmavis.com/>
- <https://www.youtube.com/watch?v=2oLTQAtewt8>



Jarvis Lintzell © 2017

Premiere Clip

- Edit on cell phone, continue on PC or Mac!
- <http://www.adobe.com/no/products/premiere-clip.html>
- <https://www.youtube.com/watch?v=zzH1p8x5BEs>



Jarvis Lintzell © 2017

PowerDirector

- <http://www.provideocoalition.com/powerdirector-for-android-windows-8-tablets/>



Jarle Leirpoll © 2017

Point the camera at something nice

- 2016 Siena International Photo Awards
- mymodernmet.com/profiles/blogs/siena-international-photo-awards-winners-2016



Jarle Leirpoll © 2017

Q & A

- Want to try the DJI Osmo Mobile?

Jarle Leirpoll © 2017

Jarle Leirpoll
premierepro.net
leirpoll@gmail.com

Jarle Leirpoll © 2017

