

Interesting Trends - April 2021

Vivo X60 Pro Features

Motion Autofocus



<https://youtu.be/sUJfw4xJlNK?t=320> (duration 5:23 to 5:35 secs)

Interesting things to ideate

- In case of low light, when regular AF fails, after a scene is enhanced, can the focus be made?
- Intelligently choose an AF based on the scene? Saliency based?

Night Mode - Filters



<https://youtu.be/sUJfw4xJlNK?t=429> (duration 7:09 to 7:23 secs)

Night Mode - Panorama



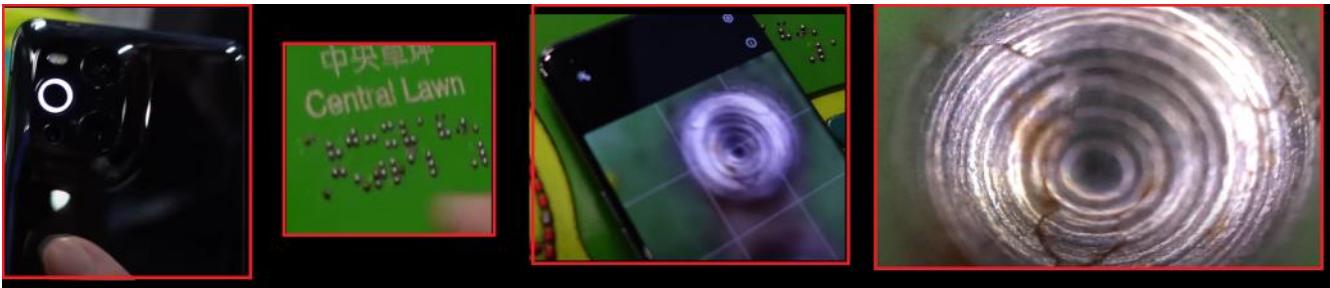
<https://youtu.be/sUJfw4xJlNK?t=527> (duration 8:47 secs to sec 9:01 secs)

Interesting things to ideate

- Based on the lighting condition at night, warm or cold tone filter can be suggested?
- Any interesting effect at night can be provided?
- How is AF hunting during panorama can be taken care?

Oppo Find X3 Pro

Microscope mode - Micro lens + flash ring



<https://youtu.be/18sl63WCx0E?t=465> (duration 7:45 to 8:41 secs)

Google Photos - Cinematic Photos



Similar to dolly zoom

<https://ai.googleblog.com/2021/02/the-technology-behind-cinematic-photos.html>

<https://blog.google/products/photos/new-cinematic-photos-and-more-ways-relive-your-memories/>

Interesting things to ideate

- Based on wide & ultrawide frame, can similar cinematic effect be provided? New mode?

Google - Portrait Light



<https://ai.googleblog.com/2020/12/portrait-light-enhancing-portrait.html>

Interesting PRISM project ideas

- Low light face detection
- Low light object tracking/focus lock
- Light weight engine for low light enhancement (preview scenario - 30 fps - FHD)