

Eyecon Recording Guide

To ensure best results of generated Eyecon reports we recommend that you follow this guide.

General guidelines

- The recorded belt should **not** cover the whole frame. Leave some margins on the sides (10-20%).
- The camera must be placed at a fixed position with as little vibration and shaking as possible.
- The camera should either be placed close to the drum or another place where the belt is flat and not swinging or vibrating.
- For indoor recordings without sunlight, strong artificial lighting is required.
- The belt should be as clean and dry as possible
- Strong backlight or direct sunlight should be avoided

FPS recommendations

The following recommendations are approximations. Higher FPS usually require better lighting for a good end-result.

Belt speed	FPS
$\leq 2\text{m/s}$	60fps
$2\text{m/s} - 3.5\text{m/s}$	120fps
$\geq 3.5\text{m/s}$	240fps

GoPro settings

- Disable HyperSmooth
- Set sharpness to “Low”

If the recorded footage looks blurry, the shutter time may be adjusted to a higher value (e.g. 1/240 or 1/480 instead of 1/120). However, shorter shutter times need better lighting. It is recommended to make a short test-recording for a given situation and review the footage on a notebook or phone screen. It should be verified that the recording is not too dark with a higher value for shutter time.

Examples

✓ Good lighting



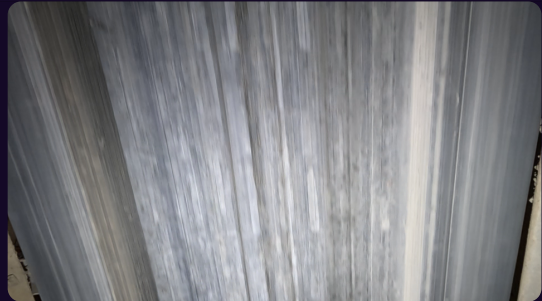
✗ Too dark, bright reflections



✓ Good position



✗ Position too close to belt



✓ Clean, dry belt



✗ Belt too wet

