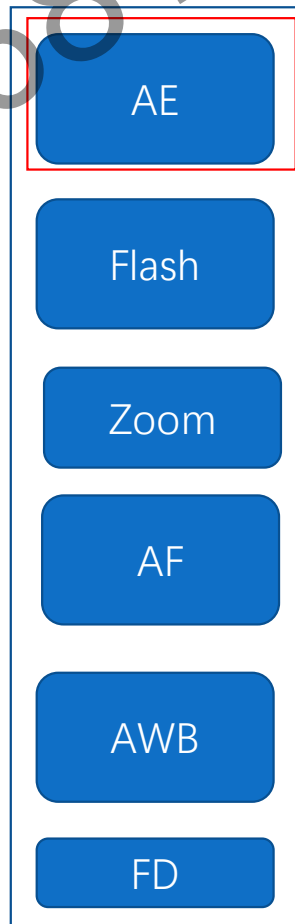
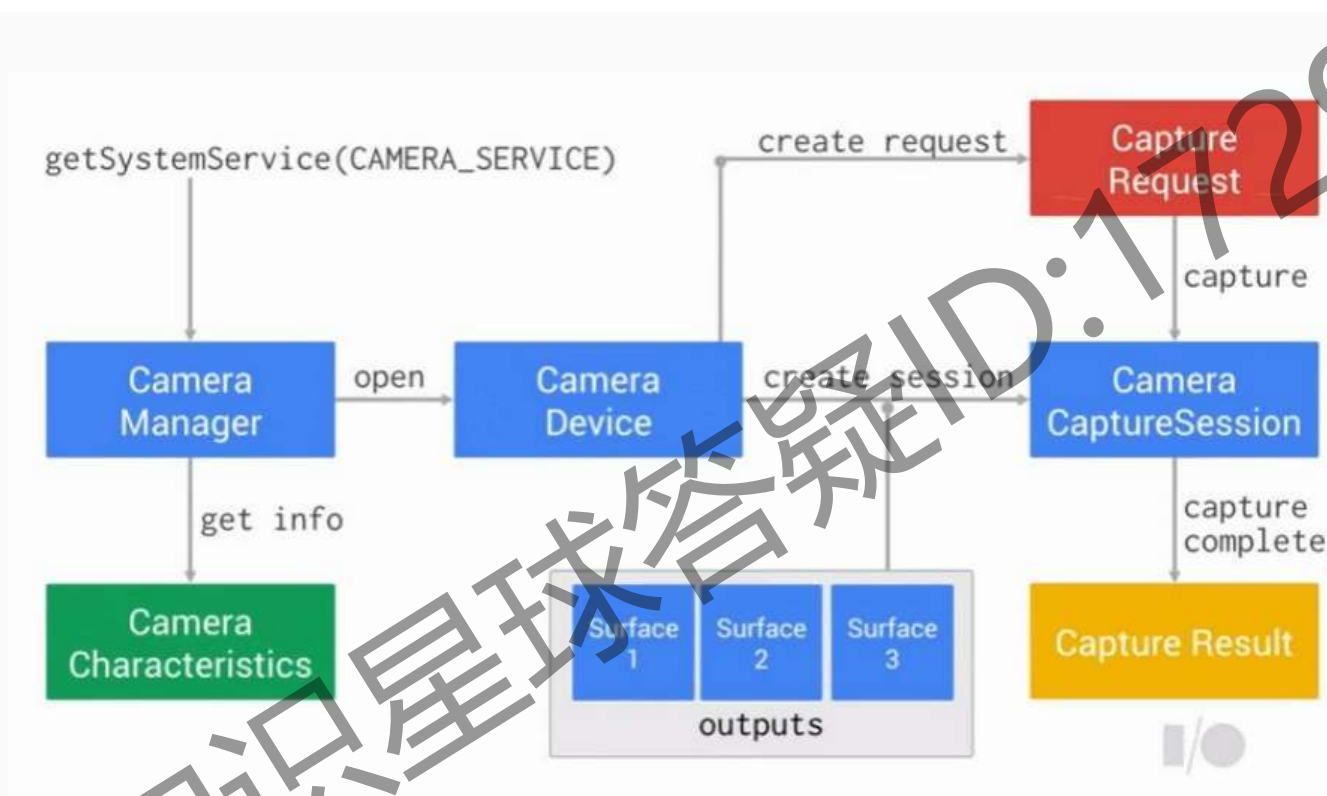


# Android Camera2 API专题

## 第35讲 AE手动曝光实战

# 课程体系



We are here

# Agenda

1. 手动调整ISO
2. 手动调整曝光时间

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# 手动调整ISO

- GeekCamera2

- UI Setup

```
MainActivity#cameraSetup
```

```
|--> final SeekBar iso_seek_bar = findViewById(R.id.iso_seekbar);  
|--> iso_seek_bar.setOnSeekBarChangeListener(null);  
|--> iso_seek_bar.setOnSeekBarChangeListener(new OnSeekBarChangeListener()
```

- UI调整ISO流程

```
MainActivity#iso_seek_bar#onProgressChanged
```

```
|--> Preview#setISO  
|--> CameraController2#setISO  
|--> CameraSetting#setAEMode  
|--> CaptureRequest.CONTROL_AE_MODE to OFF  
|--> CaptureRequest.SENSOR_SENSITIVITY to iso  
|--> CaptureRequest.SENSOR_EXPOSURE_TIME to exp_time  
|--> CaptureRequest.SENSOR_FRAME_DURATION to sensor_frame_duration
```

# 手动调整曝光时间

- GeekCamera2

- UI Setup

```
MainActivity#cameraSetup
```

```
|--> final SeekBar exposure_time_seek_bar = findViewById(R.id.exposure_time_seekbar);  
|--> exposure_time_seek_bar.setOnSeekBarChangeListener(null);  
|--> exposure_time_seek_bar.setOnSeekBarChangeListener(new OnSeekBarChangeListener
```

- UI调整曝光时间

```
MainActivity#exposure_time_seek_bar#onProgressChanged
```

```
|--> Preview#setExposureTime  
|--> CameraController2#setExposureTime  
|--> CameraSetting#setAEMode  
|--> CaptureRequest.CONTROL_AE_MODE to OFF  
|--> CaptureRequest.SENSOR_SENSITIVITY to iso  
|--> CaptureRequest.SENSOR_EXPOSURE_TIME to exp_time  
|--> CaptureRequest.SENSOR_FRAME_DURATION to sensor_frame_duration
```

# Thanks

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