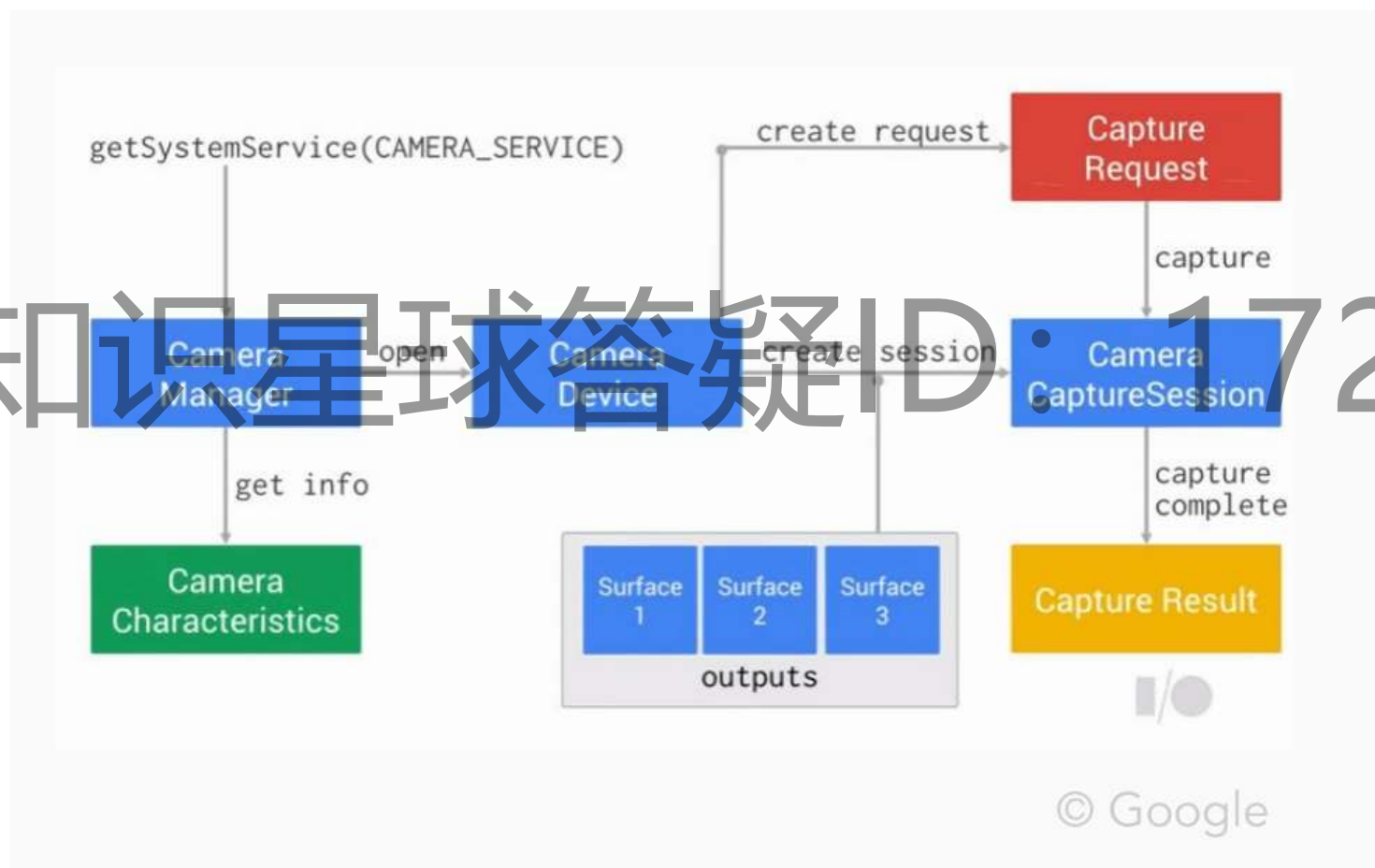


Android Camera2 API专题

知识星球答疑ID: 17296815
第47讲
AWB自动白平衡实战

课程体系

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- AE
- Flash
- Zoom
- AF
- AWB**
- FD

We are here

Agenda

1. 自动白平衡实战
2. 手动白平衡实战

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自动白平衡实战

- 设置AWB Mode

```
PopupView#switchToWhiteBalance  
|--> CameraController2#setWhiteBalance  
|----> CameraSettings#setWhiteBalance
```

- AWB Lock

```
MainActivity#clickedWhiteBalanceLock  
|--> Preview#toggleWhiteBalanceLock  
|----> CameraController2#setAutoWhiteBalanceLock
```

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手动白平衡实战

- 判断是否支持Manual WB
 - Available AWB Modes里面有OFF
 - 支持manual post processing capability

- 色温转RGGB Gain公式

- <https://tannerhelland.com/2012/09/18/convert-temperature-rgb-algorithm-code.html>

- 设置R/G/B Gain

```
Preview#setWhiteBalanceTemperature  
|--> CameraController2#setWhiteBalanceTemperature  
|----> CameraSettings#setWhiteBalance
```

Thanks

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