

Article

Photo Capture Usage

Analyze how your app uses Photo capture in photos.



Overview

The data in this report contains aggregate information about camera metrics that includes details from V5 and smart styles.

- Territories: Worldwide
- Platforms: iOS, iPadOS. For more information about iOS and iPadOS, see the Platforms section in [Data Completeness and Corrections](#).
- Availability:
 - Daily: Every day.
- History: On request, data is available beginning with iOS 17.4 and iPadOS 17.4.
- Completeness: Data from devices that contribute to this report can arrive as late as 8 days after the date it generates on device. You can download recent data daily, but it might be incomplete, and data updates incrementally daily, until all late-arriving events are available.
- Privacy:
 - Includes data from users who have opted to share their data with Apple and developers.
 - Individual rows will only appear if they have a value of 5 or more.
- Data Context: You can analyze your data with additional context by comparing it with the data in the [App Sessions Context](#) report, which provides a count of unique devices that use your app on a specific day. For example, if your app performed an action detailed in this report on 10 unique devices on a specific day, and the App Sessions Context report shows there were 100 unique devices running your app that day, then you can approximate that 10% of the devices running your app performed that action.

Report Fields

Report Field	Description	Data Type
Count	Number of times the event occurred	integer
Territory	Country or region in which the event occurred	string
Date	Date when the event occurred	string
Platform	OS version on the device on which the event occurred	string
Device	Type of device on which the event occurred	string
Build	Build of device on which event occurred	string
Unique Devices	The count of unique devices	integer
Release Type	Type of software release	string
Port Type	Port type of the primary camera for camera preview.	string
Photo Format	Format used by the capture.	boolean
Delivered Dimension Height	Height of the delivered photo.	integer
Delivered Dimension Width	Width of the delivered photo.	integer
Semantic Scene Type	Semantic scene type; possible values are Food, Indoor, Outdoor, and Sunset.	integer
Camera Posture	Camera posture during still capture; possible values are Unspecified = 0, Portrait = 1, RotatedPortrait = 2, Landscape = 3, RotatedLandscape = 4, FaceUp = 5, and FaceDown = 6.	integer
Output File Type	File format of the image captured; possible values are HEIF, JPEG, ProRAW, BayerRAW, and TIFF.	integer

Report Field	Description	Data Type
Smart Style Cast Type	An integer enum that represents the selected smart style cast for the capture. These integers are based on the CMISmartStyleCastType MakerNote enum for smart style cast; possible values are 1: Standard, 2: Neutral, 3: Rose Gold, 4: Amber, 5: Cool Rose, 6: Natural, 7: Quiet, 8: Vibrant, 9: Cozy,10: Ethereal, 11: Dramatic, 12: Luminous, 13: Stark B&W, 14: Gold, and 15: Muted B&W.	integer
Lux Level	AE-derived lux level for the captured scene. For flash captures, this is the lux level before the pre-flash stage.	integer
UI Zoom	Zoom value aligned to camera app UI at capture time.	float
Smart Style Color Bias	Color setting in style with a range from -1 to 1.	float
Smart Style Tone Bias	Tone setting in style with a range from -1 to 1.	float
Smart Style Intensity	Intensity setting in style with a range from 0 to 1.	float

Glossary

Dimension	Value	Definition
Port Type	'PortTypeBack'	rear
Port Type	'PortTypeFront'	front
Port Type	'PortTypeBackTelephoto'	tele
Port Type	'PortTypeBackSuperWide'	rear super wide
Port Type	'PortTypeFrontSuperWide'	front super wide
Lux Level	0	Represents range from -Infinity to -1
Lux Level	1	Represents range from -1 to 0

Dimension	Value	Definition
Lux Level	2	Represents range from 0 to 1
Lux Level	3	Represents range from 1 to 2
Lux Level	4	Represents range from 2 to 5
Lux Level	5	Represents range from 5 to 10
Lux Level	6	Represents range from 10 to 21
Lux Level	7	Represents range from 21 to 46
Lux Level	8	Represents range from 46 to 100
Lux Level	9	Represents range from 100 to 215
Lux Level	10	Represents range from 215 to 464
Lux Level	11	Represents range from 464 to 1000
Lux Level	12	Represents range from 1000 to 2154
Lux Level	13	Represents range from 2154 to 4641
Lux Level	14	Represents range from 4641 to 10000
Lux Level	15	Represents range from 10000 to 21544
Lux Level	16	Represents range from 21544 to 46415
Lux Level	17	Represents range from 46415 to 100000
Lux Level	18	Represents range from 100000 to +Infinity
UI Zoom	0	Represents range from -Infinity to 0
UI Zoom	1	Represents range from 0 to 0.49
UI Zoom	2	Represents range from 0.49 to 0.51
UI Zoom	3	Represents range from 0.51 to 0.6
UI Zoom	4	Represents range from 0.6 to 0.7

Dimension	Value	Definition
UI Zoom	5	Represents range from 0.7 to 0.8
UI Zoom	6	Represents range from 0.8 to 0.9
UI Zoom	7	Represents range from 0.9 to 0.99
UI Zoom	8	Represents range from 0.99 to 1.01
UI Zoom	9	Represents range from 1.01 to 1.19
UI Zoom	10	Represents range from 1.19 to 1.21
UI Zoom	11	Represents range from 1.21 to 1.49
UI Zoom	12	Represents range from 1.49 to 1.51
UI Zoom	13	Represents range from 1.51 to 1.99
UI Zoom	14	Represents range from 1.99 to 2.01
UI Zoom	15	Represents range from 2.01 to 2.49
UI Zoom	16	Represents range from 2.49 to 2.51
UI Zoom	17	Represents range from 2.51 to 2.99
UI Zoom	18	Represents range from 2.99 to 3.01
UI Zoom	19	Represents range from 3.01 to 3.99
UI Zoom	20	Represents range from 3.99 to 4.01
UI Zoom	21	Represents range from 4.01 to 4.99
UI Zoom	22	Represents range from 4.99 to 5.01
UI Zoom	23	Represents range from 5.01 to 6
UI Zoom	24	Represents range from 6 to 7.99
UI Zoom	25	Represents range from 7.99 to 8.01
UI Zoom	26	Represents range from 8.01 to 10







Dimension	Value	Definition
UI Zoom	27	Represents range from 10 to 12
UI Zoom	28	Represents range from 12 to 14.99
UI Zoom	29	Represents range from 14.99 to 15.01
UI Zoom	30	Represents range from 15.01 to 20
UI Zoom	31	Represents range from 20 to 24.99
UI Zoom	32	Represents range from 24.99 to 25.01
UI Zoom	33	Represents range from 25.01 to +Infinity
Smart Style Color Bias	0	Represents range from -Infinity to -1
Smart Style Color Bias	1	Represents range from -1 to -0.8
Smart Style Color Bias	2	Represents range from -0.8 to -0.6
Smart Style Color Bias	3	Represents range from -0.6 to -0.4
Smart Style Color Bias	4	Represents range from -0.4 to -0.2
Smart Style Color Bias	5	Represents range from -0.2 to -0.01
Smart Style Color Bias	6	Represents range from -0.01 to 0.01
Smart Style Color Bias	7	Represents range from 0.01 to 0.2
Smart Style Color Bias	8	Represents range from 0.2 to 0.4
Smart Style Color Bias	9	Represents range from 0.4 to 0.6

Dimension	Value	Definition
Smart Style Color Bias	10	Represents range from 0.6 to 0.8
Smart Style Color Bias	11	Represents range from 0.8 to 1
Smart Style Color Bias	12	Represents range from 1 to +Infinity
Smart Style Tone Bias	0	Represents range from -Infinity to -1
Smart Style Tone Bias	1	Represents range from -1 to -0.8
Smart Style Tone Bias	2	Represents range from -0.8 to -0.6
Smart Style Tone Bias	3	Represents range from -0.6 to -0.4
Smart Style Tone Bias	4	Represents range from -0.4 to -0.2
Smart Style Tone Bias	5	Represents range from -0.2 to -0.01
Smart Style Tone Bias	6	Represents range from -0.01 to 0.01
Smart Style Tone Bias	7	Represents range from 0.01 to 0.2
Smart Style Tone Bias	8	Represents range from 0.2 to 0.4
Smart Style Tone Bias	9	Represents range from 0.4 to 0.6
Smart Style Tone Bias	10	Represents range from 0.6 to 0.8
Smart Style Tone Bias	11	Represents range from 0.8 to 1
Smart Style Tone Bias	12	Represents range from 1 to +Infinity
Smart Style Intensity	0	Represents range from -Infinity to 0
Smart Style Intensity	1	Represents range from 0 to 0.01
Smart Style Intensity	2	Represents range from 0.01 to 0.1
Smart Style Intensity	3	Represents range from 0.1 to 0.2

Dimension	Value	Definition
Smart Style Intensity	4	Represents range from 0.2 to 0.3
Smart Style Intensity	5	Represents range from 0.3 to 0.4
Smart Style Intensity	6	Represents range from 0.4 to 0.5
Smart Style Intensity	7	Represents range from 0.5 to 0.6
Smart Style Intensity	8	Represents range from 0.6 to 0.7
Smart Style Intensity	9	Represents range from 0.7 to 0.8
Smart Style Intensity	10	Represents range from 0.8 to 0.9
Smart Style Intensity	11	Represents range from 0.9 to 1
Smart Style Intensity	12	Represents range from 1 to +Infinity

See Also

Framework Usage

-  **AccessorySetupKit Accessory Picker Sessions**
Analyze how many people use your app to set up accessories by using AccessorySetupKit.
-  **AccessorySetupKit Usage**
Analyze how often your app uses AccessorySetupKit.
-  **AirPlay Discovery Sessions**
Review information about AirPlay discovery sessions.
-  **Animoji Stickers Sent**
Analyze how many times people use Memoji stickers in your app.
-  **App Added to Focus**
Review information about your app’s relationship to Focus modes.
-  **App Disk Space Usage**
Analyze your app’s disk space use.



App Runtime Usage

Analyze how often your app executes specific symbols of different dynamic libraries.



App Sessions Context

Analyze how many people use your app and for how long.



Application Preferred Language Settings

Review how people use language preference settings in your app.



ARKit ARSession Duration

Review information about ARKit ARSession duration.



ARKit ARSession Failures

Analyze details about ARKit ARSession failures.



ARKit Capture Frame Rate Throttling

Analyze how long it takes for ARKit to throttle the camera frame rate.



ARKit Collaborative Session Features

Review how your app uses ARKit collaborative session features.



ARKit Face Tracking

Analyze how often your app uses ARKit face tracking.



ARKit Video Formats

Review information about ARKit video formats and high-resolution frames.