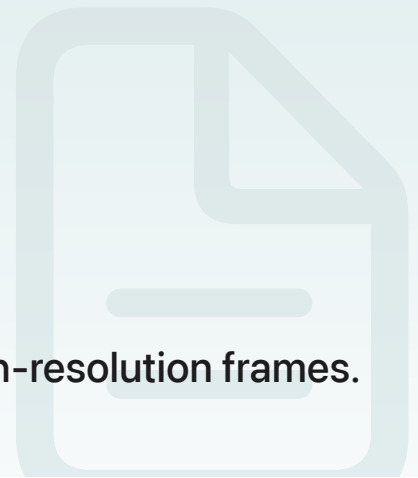


## Article

# ARKit Video Formats

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



## Overview

The data in this report details information about video formats in your application and how many high-resolution frames are captured per session.

- 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
Capture Device Position	Position of the capture device	string
AR Configuration Class	The class of the ARConfiguration, for example, ARWorldTrackingConfiguration or ARFaceTrackingConfiguration	string
Frame Rate	The configured capturing frame rate	integer
Frame Resolution	Resolution of the camera stream	string
Format Binning	Whether the format is nonbinned or binned	boolean
Video HDR Support	Whether the video format supports high dynamic range (HDR) streaming	boolean
High-Resolution Frames Captured	The number of captured high-resolution frames in the current session	integer







# Glossary

Dimension	Value	Definition
Capture Device Position	Front	Front facing camera
Capture Device Position	Back	Back facing camera
Capture Device Position	Unknown	Orientation unknown
AR Configuration Class	ARWorldTrackingConfiguration	ARWorldTracking Configuration
AR Configuration Class	ARFaceTrackingConfiguration	ARFaceTracking Configuration
AR Configuration Class	ARGeoTrackingConfiguration	ARGeoTracking Configuration
AR Configuration Class	ARPositionalTrackingConfiguration	ARPositionalTracking Configuration
AR Configuration Class	ARImageTrackingConfiguration	ARImageTracking Configuration
AR Configuration Class	ARBodyTrackingConfiguration	ARBodyTracking Configuration
Frame Resolution	1280x720	1280x720 pixel
Frame Resolution	1440x1080	1440x1080 pixel
Frame Resolution	1920x1440	1920x1440 pixel
Frame Resolution	3840x2160	3840x2160 pixel
Frame Resolution	640x480	640x480 pixel
High-Resolution Frames Captured	0	Represents range from -Infinity to 1
High-Resolution Frames Captured	1	Represents range from 1 to 5
High-Resolution Frames Captured	2	Represents range from 5 to 10
High-Resolution Frames Captured	3	Represents range from 10 to 20

Dimension	Value	Definition
High-Resolution Frames Captured	4	Represents range from 20 to 50
High-Resolution Frames Captured	5	Represents range from 50 to 100
High-Resolution Frames Captured	6	Represents range from 100 to 500
High-Resolution Frames Captured	7	Represents range from 500 to 1000
High-Resolution Frames Captured	8	Represents range from 1000 to 5000
High-Resolution Frames Captured	9	Represents range from 5000 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 World Tracking

Review the configured settings for world tracking in your app.