

# Release Notes

**Product:** ACTi-SDK-10000 C SDK

**Version:** v1.2.45

**Release Date:** 2012/08/01

## Enhancements

### 1. (V1.2.45)

- a. Remove KGetRawTime API
- b. Remove KGetRawTime2 API
- c. Remove KSetImageCallback
- d. Add KGetRawInfo2 API
- e. Add KSetImageCallback2
- f. Add KSetImageCallback3

### 2. (V1.2.44)

- a. Support Resolution
  - 2592x1944
  - 2048x1536
- b. Support g711 a/u law.

### 3. (V1.2.43)

- a. Support Resolution
  - 2032x1920
  - 1920x1072
- b. Remove Functions
  - KSetMultipleMediaConfig
  - KSetMultipleMediaConfig2
  - KAddMultipleMedia
  - KRemoveMultipleMedia
  - KClearAllMultipleMedia
  - KGetNthBeginTimeFromMultipleMedia
  - KGetNthEndTimeFromMultipleMedia
  - KGetTotalFramesOfMultipleMedia
  - KGetCurrentReadingFileIDFromMultipleMedia
  - KGetCurrentReadingAbsTimeFromMultipleMedia

- c. Add Functions
    - KSetMediaConfig2
    - KSetImageCallback2
- 4. (v1.2.42)
  - a. Support PIR.
  - b. Add Functions
    - KGetCurrentTime
    - KGetRawTimeInfo
    - KGetRawTimeInfo2
    - KSetMotionDetectionCallback2
    - KSetVideoLossCallback2
    - KSetVideoRecoveryCallback2
    - KEnableLocalTime
    - KEnableDaylightTime
    - KEnableDisplayTime
    - KSetOSDText
    - KSetPIRConfig
    - KGetPIRConfig
  - c. Remove Functions
    - KResetMediaConfig
    - KReplaceTimeCodeByLocalTime
    - KSetEvent\_DI
    - KSetEvent\_TimeCode
    - KSetEvent\_RawDataRefresh
    - KSetEvent\_VideoStatus
    - KSetEvent\_NetworkLoss
    - KSetEvent\_MotionDetection
    - KSetEvent\_ImageRefresh
    - KSetEvent\_AfterRender
    - KSetEvent\_ResolutionChange
    - KSetEvent\_RS232DataRefresh
- 1. (v1.2.41)
  - a. Support bitrate are 3.5M/4M/4.5M/5M/5.5M/6M.
  - b. All url command will be through the streaming engine when streaming engine enabled.
- 2. (v1.2.40) Support maximum stream timeout.
- 3. (v1.2.39) Supported large raw file of size >2gb.
- 4. (v1.2.38) Add functions are KSetMotionInfoEx and KGetMotionInfoEx to

support ACD2000Q four motion regions.

5. (v1.2.37) Add function of KSetVideoTransferConfig, KSetMotionInfoEx, KGetMotionInfoEx.
6. (v1.2.36)
  - a. Add TCPVideoStreamID to specify video track, value 0 to 255 for 1 to 256 video track.
  - b. Add RTPVideoTrackNumber (set it to 0, ARTP will use 1st video track, 1 to 255 is for specify video track).
  - c. Add RTPAudioTrackNumber (set it to 0, ARTP will use 1st audio track, 1 to 255 is for specify audio track).
7. (v1.2.35) ARAW has been supported time zone.
8. (v1.2.34) Add three PTZ protocols 8211\_VISCA, 8511\_VISCA, SONY\_VISCA.
9. (v1.2.33) Handle H.264, MJpeg resolution change.
10. (v1.2.33) Enable Mjpeg Decode I Only ( 1 Frame per second ).
11. (v1.2.31) Add KSetSmoothFastPlayback for smooth fast forward playback..
12. (v1.2.30) Add KGetDIOStatusByHTTPEx to request DIO status from multi-channel devices.
13. (v1.2.28) Support full time zones.
14. (v1.2.27) Support H.264, Mpeg4, Mjpeg on preview, record and playback.
15. (v1.2.27) Support Dual-Stream connection.(Need Dual-Stream Devices)
16. (v1.2.27) Replace time code by local time (default setting), to use KReplaceTimeCodeByLocalTime to enable / disable the function.
17. (v1.2.27) Add KDropNextPFrameTillIframe for drop decoding of P-frames in a GOP.
18. (v1.2.19) Support 16ch preview ( D1 @ 30 FPS 1.5MB Bitrate )
19. (v1.2.18) Support preview, record and playback for H264 and MJpeg.
20. (v1.2.17) Add Record type FRAW2 (2) for index recording.
21. (v1.2.17) Add contact type CONTACT\_TYPE\_MULTIPLE\_PLAYBACK for multiple playback and remote multiple playback.
22. (v1.2.16) Add KSetAutoDropFrameByCUPPerformance to enable auto drop frame mode.
23. (v1.2.16) Add KSetTimeCodeCallbackEx to call back time code in millisecond
24. (v1.2.16) Add KSetFirstB2Callback to call back first B2 packet
25. (v1.2.16) Rename KReverselImageLeftToRight to KMirrorImage.
26. (v1.2.16) Rename KReverselImageUpToDown to KFlipImage.
27. (v1.2.15) Add Multiple Files Playback functions

API :

- KSetMultipleMediaConfig
- KAddMultipleMedia
- KRemoveMultipleMedia
- KClearAllMultipleMedia
- KGetNthBeginTimeFromMultipleMedia
- KGetNthEndTimeFromMultipleMedia
- KGetTotalFramesOfMultipleMedia
- KGetCurrentReadingFileIDFromMultipleMedia
- KGetCurrentReadingAbsTimeFromMultipleMedia

28. (v1.2.13) Add KPTZGetRequestAbsPTZCommand for get a PTZ command to request PTZ absolute position
29. (v1.2.13) Add KSetFirstB2Callback for get the first B2 data.
30. (v1.2.12) Modified the callback data of KSetDICallbackEx from int \*32 to an array
31. (v1.2.12) Add absolute position of PTZ functions
32. (v1.2.12) Add an error code value by 32 for streaming fail
33. (v1.2.10) Add KEnablePrivacyMask for setup 3 region of privacy mask on preview
34. (v1.2.08) Add KSetDICallbackEx to notify DI on / off
35. (v1.2.06) Support mega-pixel mpeg4 video.
36. (v1.2.06) Support mega-pixel motion jpeg video ( preview only )
37. (v1.2.06) Add decoder mode in SDK10000, now you can use SDK10000 to decode the Mpeg4 video from IP camera..

API :

- KStartDecodeMode
- KDecodeFrame
- KStopDecodeMode.

38. (v1.2.06) Add Digital PTZ function.

API :

- KDigitalPTZEnable
- KDigitalPTZTo

39. (v1.2.06) Add Reverse image left To right function

API :

- KReverseImageLeftToRight

40. (v1.2.06) Add Reverse image up To down function

API :

- KReverseImageUpToDown

41. (v1.2.06) Add Jitter less adjust function

API :

- KEnableJitterLessMode

42. (v1.2.06) Increase connecting speed.

## **Remove**

1. (v1.2.35) Removed VideoTrackIDOnRTP and AudioTrackIDOnRTP, and change ChannelNumber size to integer.
2. (v1.2.34) Removed StreamID and using ChannelNumber instead.(rs232-setting issue)
3. (v1.2.06) none.

## **Bug Fix**

1. (v1.2.4206) Fix DO can't properly work
2. (v1.2.4110) Fix DI status from TCP1.0.
3. (v1.2.4110) Preview 3 days with audio.(non-page pool)
4. (v1.2.4110) Exception handle with memory allocation failed.
5. (v1.2.4110) Play speed to slow and audio not smooth in remote playback.
6. (v1.2.4110) Reverse play and speed more than 2x, then SetCurrentTime not correct in remote playback.
7. (v1.2.40) When the EnableRender set to false then don't start decoder's thread.
8. (v1.2.40) Removed double memory buffer in preview thread.
9. (v1.2.40) Fix when decode's thread slow then receive's thread will be cause a lot of frames in queue.
10. (v1.2.40) Fix play and pause in playback then play's speed not correct.
11. (v1.2.39) Fix playback timecode issue.
12. (v1.2.39) Disconnect will be cause appliatoin crash.
13. (v1.2.38) KSetVideoConfig change FPS and will be cause codec crash.
14. (v1.2.38) The fps value not correct in sequence header on PAL's camera.
15. (v1.2.38) Update stream sample to support quad device.
16. (v1.2.37) Cannot hear a sound when play a file is RTP with audio.
17. (v1.2.37) The function of KSetTextOut is work well.
18. (v1.2.32) Playback fast forward error.
19. (v1.2.31) Video move too fast on playback when decoder is disabled.
20. (v1.2.19) Pre-Record buffer won't temp when disable decoder.
21. (v1.2.17) DI won't trigger if DI was set before connect ( control port only )
22. (v1.2.14) Sound Player was fail on Windows Vista Enterprise

- 23. (v1.2.10) Modify mpeg4 header checker for mega-pixel
- 24. (v1.2.08) Add KSetDICallbackEx to notify DI on / off
- 25. (v1.2.06) Fix playback the video over then 2.6G in a video clip.

## **Limitation**