Dahua Webplugin SDK Guide

Revision	Change Description	Author	Reviewer	Date	Version
1	First draft	Zuhai_zhang		2018-9-27	V1.00
2	Change Language	Yan_lai		2018-12-18	V1.01



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1. Introduction

1.1 Contents

1.1.1 Files Introduction

	index.html	Demo web start p	age			
		foundation.js	Foundation function module			
	module	WebVideoCtrl.js	Webplugin interface module:websdk			
	module	modifyUI.js	UI configuration module			
Demo		demo.js	Demo' s logic module			
	lib	Jquery Framework,open-source js framework				
	en/demo.html	Demo html file with english				
	cn/demo.html	Demo html file with chinese				
	css	CSS file of this demo				
Doc	This file(Dahua	Webplugin SDK Gui	de)			
Package	Dahua webplug	jin install package				

1.1.2 Demo Introduction

This Demo is how to build a web application using the NetSDK, It can connect device,get video,show video etc.

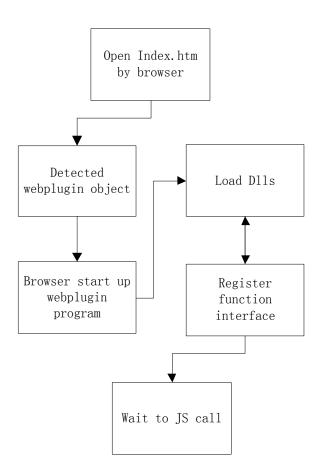


1.2 Runtime environment

IE10-/Chrome 45-/Firefox, webplugin.exe Installed

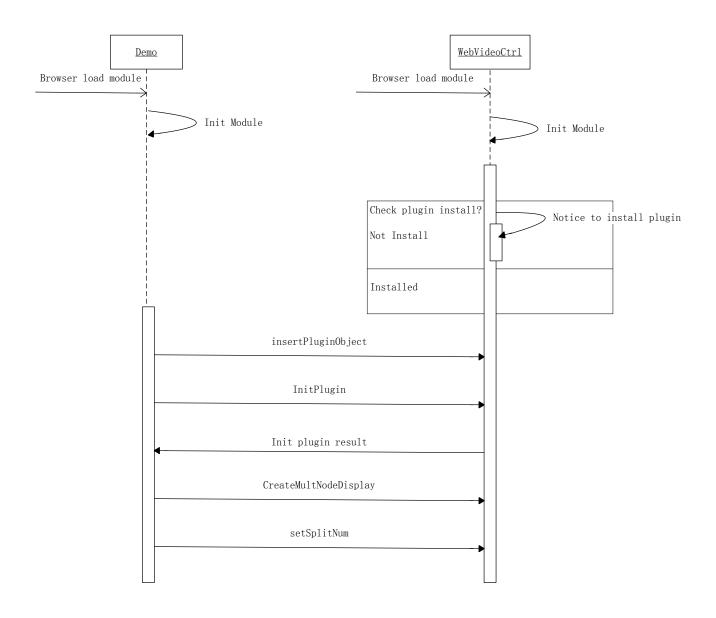
2. Flow Introduction

2.1 Plugin Flow chart



2.2 Demo Flow chart







3. Web SDK Interface

3.1 Plugin Manager

check Plugin In stall

Name	Parameters	Description		Return
checkPlguinInstall		Check the plugin is installed or not	Туре	Decription true: Installed
-		in the system?	Boolean	false: Not Installed

insert Plugin Object

Name		Paramete	ers	Description	Return	
	Name	Type	Description		Type	Decription
	sContainerID String	String	Container ID in	Load video	Турс	Decliption
insertPluginObject		String	Plugin	container of plugin		true: Success
	iWidth	Int	Container width	to web?	Boolean	false: Fail
	iHeight	int	Container height			Taise. Faii

initPlugin

Name		Paramete	ers	Description		Return
	Name	Туре	Description		Type	Decription
	sProtocol	String	Protocol type		Турс	
initPlugin	fnCallback	Function	When function return, call this function	Initialize Plugin	Boolean	true: Success false: Fail



3.2 Event Manager

registerEvent

Name		Paramete	ers	Description	Return	
	Name	Туре	Description		Туре	Decription
no ciotonEvant	sEventName	String	Event name	Register Event to	Турс	Decription
registerEvent	fnCallback	Function	When function return, call this function	plugin	Boolean	true: Success false: Fail

Event Callback Function Definition

SelectedView

Name		Paramete	ers	Description	Return	
	Name	Туре	Description		Type	Decription
	iNodeIndex	iNodeIndex int Curren		When select one	Турс	Beenption
	inodefridex	ш	window Node ID	display		
SelectedView	iViewIndex Int	Int	Current Display	window,then call		true: Success
		window View ID	this function?	Boolean	false: Fail	
	iWinID	NA/intD int	Current Display			Taise. Pail
	iWinID int		window ID			

3.3 Display Window Manager

create MultiNode Display

Name	Parameters			Description	Return	
createMultiNodeDisplay	Name	Type	Description	Create the	Type	Decription



		The num of	display windows		
iNum	int	display window that you want to create		Boolean	true: Success false: Fail

setSplitNum

Name	Parameters			Description		Return
	Name	Type	Description		Type	Decription
	iNum int	The num of	Set windows num to display	Турс	Decription	
setSplitNum		display window that you want to		Boolean	true: Success	
			display		Boolean	false: Fail

setFullscreen

Name	Parameters	Description	Return	
setFullscreen		Switch to full screen,click "ESC"	Туре	Decription
sett unsereen		or right-hand click can exit full screen	Boolean	true: Installed false: Not Installed

3.4 Device Manager

login

Name		Parameter	rs	Description	Return			
	Name	Type	Description		Type Decription			
login	sIp	int	Device's IP	Login to the	Турс	Decription		
login				device			login	
	iPort	int	Protocol port,		int	>0	success	



sUserName	String	3777:old device 80:new device User Name			UserN
sPassword	String	Password		-1	or
iRtspPort	Int	RTSP port, Default:80			Passw is wro
iProtocol	Int	Protocol. 1:TCP 4:UDP 3:Multicast	-3	-3	Time
fnSuccess	Function	If login success, call this function		-19	The interfa
fnFail	Function	If login fail,call this function			

logout

Name	Parameters			Description	Return	
logout	Name	Туре	Description		Type	Decription
	sIp	String	Device's IP	Logout the device	Турс	Decription
					D1	true: Success
					Boolean	false: Fail

3.5 Live

connect Real Video

Name	Parameters			Description	Return		
connectRealVideo	Name	Type	Description	Live in current	Type	Decription	
connectived video	sIp	int	The device's IP	selected window	Турс	Decription	



iChannel iStreamType fnSuccess	int int Function	The channel ID The stream type If return success,call this function	int	>0:Success -1:No Authority -2:Parameters wrong -3:Logic error -4:Operation error
fnFail	Function	If return fail,call this function		-5:Network error

3.6 Player Manager

closePlayer

Name	Parameters	Description		Return
closePlayer		Close video in current selected	Туре	Decription
croser rayer		window	Boolean	true: Success false: Fail

${\bf get Selected Player ID}$

Name	Parameters	Description		Return
getSelectedPlayerID		Get current	Туре	Decription
geiseitettai myeris		selected player ID	int	>0: Player ID 0: Fail

getPlayerInfo

Name	Parameters			Description	Return		
getPlayerInfo	Name	Type	Description	Get info of	Туре	Decription	
gen myerimo	iWinID	int	The window	selected	Турс	Decription	



	ID	window	Object	ip	The device's IP
				channel	The channel ID
				streamType	The stream type
					The play mode:
				type	1: Live
				type	2:Playback by network
					3:Local playback

3.7 Action with Video

crabOnePicture

Name		Para	meters	Description	Return		
	Name	Type	Description		Туре	Decription	
			The format of picture,				
	iFormat	int	0: bmp	Shapshot from the selected video window	Boolean	true: Success	
			1: jpg				
crabOnePicture	sPath	String	The path of picture to				
			be saved				
			If return success,			false: Fail	
	bOpen	Boolean	Open the picture or				
			not				

start Recording Video

Name		Parar	neters	Description	Return		
	Name	Type	Description		Type	Decription	
			The format of video	Download video from selected	Турс	Beenpuon	
	nFormat int		to be saved				
startRecordingVideo		int	0: dav		Boolean	true: Success false: Fail	
			1: avi	window			
			2: asf				
			3: mp4				



	sPath	String	The path of video to be saved			
--	-------	--------	-------------------------------	--	--	--

stop Recording Video

Name	Parameters	Description		Return
stopRecordingVideo		Stop Record from	Туре	Decription
stopiceording video		selected window	Boolean	true: Installed false: Not Installed

enableEZoom

Name	Parameters	Description	Return	
enableEZoom		Enable enlarger	Туре	Decription
Chaoledzoom		video feature	Boolean	true: Installed false: Not Installed

disableEZoom

Name	Parameters	Description		Return
disableEZoom		Disable enlarger	Туре	Decription
disableEzooni		video feature	Boolean	true: Installed
				false: Not Installed



3.8 PTZ Control

enablePTZLocate

Name	Parameters	Description		Return
enablePTZLocate		Enable PTZ function with	Туре	Decription
endor 122ocate		selected window	Boolean	true: Installed false: Not Installed

disablePTZLocate

Name	Parameters	Description		Return
disablePTZLocate		Disable PTZ function with	Туре	Decription
disusier 122scare		selected window	Boolean	true: Installed false: Not Installed

move Upwards

Name	Parameters			Description		Return
	Name	Туре	Description		Type	Decription
			The speed of		Турс	Decription
moveUpwards	iVerticalSpeed	int	moving in vertical	Let camera to		
moveopwards			direction	move upward	D1	true: Success
	hThe D 1	Dooloon	The flag of stop		Boolean	false: Fail
	bFlag Boolean		moving			



moveLower

Name	Parameters			Description		Return
	Name	Type	Description		Type	Decription
			The speed of		Турс	Beenphon
moveLower	iVerticalSpeed	int	moving in vertical	Let camera to		
moveLower			direction	move down	Dooloom	true: Success
	LT1 D 1	Dooloon	The flag of stop		Boolean	false: Fail
	bFlag Boolean		moving			

moveLeft

Name		Paramet	ters	Description		Return
	Name	Type	Description		Type	Decription
			The speed of		Турс	Decription
moveLeft	iLevelSpeed	int	moving in	Let camera to		
moveLett			horizontal direction	move left	Boolean	true: Success
	hElag	Dooloon	The flag of stop		Boolean	false: Fail
	bFlag Boolean		moving			

$move \\ Right$

Name	Parameters			Description		Return
	Name	Type	Description		Type	Decription
			The speed of		Турс	Becliption
moveRight	iLevelSpeed	int	moving in	Let camera to		
moveragne			horizontal direction	move right	Boolean	true: Success
	hElea Deelean	The flag of stop		Doolean	false: Fail	
	bFlag Boolean		moving			



move Upper Left

Name	Parameters			Description		Return
	Name	Type	Description		Type	Decription
			The speed of		Турс	Decription
	iVerticalSpeed	int	moving in vertical			
moveUpperLeft			direction	Let camera to move uppper left	Boolean	
точеоррегиен	il avalCnaad	int	The speed in			true: Success
	iLevelSpeed		horizontal direction			false: Fail
	bFlag	Boolean	The flag of stop			
	Dirlag	Doolean	moving			

move Upper Right

Name	Parameters			Description		Return
	Name	Type	Description		Type	Decription
			The speed of		Турс	Decription
	iVerticalSpeed	int	moving in vertical	Let camera to		
moveUpperRight			direction	move uppper right	Boolean	
moveopperragna	iLevelSpeed	int	The speed in			true: Success
	iLeveispeed		horizontal direction			false: Fail
	bFlag	Boolean	The flag of stop			
	Diriag	Boolean	moving			

moveLowerLeft

Name		Paramet	ters	Description		Return
	Name	Type	Description		Type	Decription
moveLowerLeft	iVerticalSpeed in	int	The speed of	Let camera to move bottom left	Турс	
			moving in vertical		tru	true: Success
			direction		Boolean	
	iLevelSpeed	int	The speed in			false: Fail



		horizontal direction
bFlag	Boolean	The flag of stop
birlag	Boolean	moving

move Lower Right

Name		Paramet	ters	Description		Return
	Name	Type	Description		Туре	Decription
			The speed of	Let camera to move bottom right	Туре	
	iVerticalSpeed	int	moving in vertical			
moveLowerRight			direction		Boolean	
Ino velo werragin	iLevelSpeed	int	The speed in			true: Success false: Fail
			horizontal direction			
	h Elo a	Boolean	The flag of stop			
	bFlag		moving			

controlZoom

Name		Paramet	ters	Description		Return
	Name	Type	Description		Туре	Decription
			The speed of		Турс	Decription
	iSpeed	int	moving in vertical			
controlZoom			direction	Control the video Zoom out of Zoom in	Boolean	true: Success false: Fail
	iFlag	int	The flag of Zoom			
controlloom			out or Zoom in			
			0: Zoom out			
			1: Zoom in			
	bFlag Boo	Boolean	The flag of stop			
		Вооцеан	moving			



control Aperture

Name		Paramet	ters	Description		Return
	Name	Type	Description		Туре	Decription
	iSpeed	int	The speed aperture		Турс	Decription
	ізреец	1110	changed	Control the aperture bigger or smaller		
controlAperture	iFlag	int	The flag of change		Boolean	
control spectare			0: bigger			true: Success
			1: smaller			false: Fail
	bFlag Boolean	Dooloon	The flag of stop			
		Boolean	change			

PTZIrisIn

Name	Parameters			Description		Return
	Name	Type	Description		Туре	Decription
	iSpeed	int	The speed Iris	Control the Iris bigger or smaller	Турс	
	ispeed	IIIC	changed			true: Success false: Fail
PTZIrisIn	iFlag	int	The flag of change		Boolean	
1 123119111			0: bigger			
			1: smaller			
	hElea Declear	The flag of stop				
	bFlag	Boolean	change			

3.9 Traffic statistics

start Traffic Data Query

Name	Parameters			Description	Re	eturn
startTraficDataQuery	Name	Type	Description	Enable to	Type	Decription



sIp	String	Device's IP	query trafic data		
iChannel	int	The channel's ID			
sStartTime	String	The starting time of quering Format: "2013-12-11 23:59:59"			
sEndTime	String	The ending time of quering Format: "2013-12-11 23:59:59"		int	>0:The Query handle 0: Fail
iRuleType	int	The rule's mode, 0: Counting In Region 1: People Counting			
iSpan	int	The unit of interval 0:hour 1:day			
iMinStayTime	int	The mini time of staying			

${\bf getTrafficDataTotalCount}$

Name		Paramete	ers	Description		Return
getTrafficDataTotalCount	Name	Type	Description		Туре	Decription
			The query handle	Get total count	int	
	iHandle	int		of traffic data		The query result count