Platform Name	Product Name	System Version
MTK9666	43/75/50/55/86/65/32DM66D	Android 11.0

Hisense Commercial Display

V1.1.2
Dec, 2023
Hisense Commercial Display R&D

Welcome

A seamless Digital Signage(DS) API integration makes it simpler and easier for our end users to interact with our product.
Hisense developed an infrastructure to support Digital Signage flows through Android Studio . Android Studio is an Android platform that allows the customers to interact with our API easily and is generic. We have exposed the DS API with partners. This enables our partners to use the DS API in a more convenient way in order to extend their product and build their own applications.

Disclaimer

This document includes the full list of services, which support the flows used in Hisense Digital Signage.
This Hisense API Reference Guide is still in work and subject to change.

Hisense Commercial Display

Hisense Copyright

The product described in this publication is a licensed product of HISENSE Group Corporation.
Hisense is a registered trademark of Hisense Group. Other product names mentioned in this publication may be trademarks or registered trademarks of their respective companies and are hereby acknowledged. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Java is a registered trademark of Oracle and/or its affiliates.
Where creation of derivative works, modifications or copies of this Hisense copyrighted documentation is permitted under the terms and conditions of an agreement you have with Hisense, Hisense's copyright notice must be included.

It is the policy of HISENSE Group (HISENSE) to improve products as new technology, components, software, and firmware become available. HISENSE, therefore, reserves the right to change specifications without prior notice.
All features, functions, and operations described herein may not be marketed by HISENSE in all parts of the world. In some instances, photographs are of equipment prototypes. Therefore, before using this document, consult with your HISENSE representative or HISENSE office for information that is applicable and current.
To maintain the quality of our publications, we need your comments on the accuracy, clarity, organization, and value of this publication. Please use the link below to send your comments.
Internet Address:
https://global.hisense.com/

Copyright © 1969 – 2024
By HISENSE Group
Global Headquarters
17 Donghaixi Road,
Qingdao, 266072
China
All Rights Reserved

Hisense Commercial Display

Overview

This document describes what each function does individually and provides information about using APIs to build your applications; it also includes details on integrating multiple APIs into a single application.

Version & Revision History

Version	Description	Date
V1.0	The initial release	2023-12-1
V1.1	1.Add “Set Color Temperature Mode” API 2.Add “Get Color Temperature Mode”API 3.Add “Set Screen Rotation”API 4.Add “Get Screen Rotation”API 5.Add “Set Menu Rotation”API 6.Add”Get Menu Rotation”API	2024-1-4
V1.1.1	1.Add note for “Set Screen Rotation”API 2.Add note for “Get Screen Rotation”API 3.Add note for “Set Menu Rotation”API 4.Add note for “Get Menu Rotation”API 5.Add “setSettingsDBValue”API	2024-1-23
V1.1.2	1.Add “setTimerSwitchInfo”API	2024-1-31
V1.1.3	1.Add the example codes for “installSilentApp”API 2.Modify the parameter description of “setSourceWindow” API	2024-6-26
V1.1.4	1.Add “getUsageTime()” API 2.Add “setPowerOnDelayEnable ()” API 3.Add “getPowerOnDelayEnable ()” API 4.Add “setPowerOnDelay ()” API 5.Add “getPowerOnDelay ()” API 6.Add “setFakePowerOff ()” API 7.Add “getFakePowerOff ()” API 8.Add “setDefaultLauncher ()” API 9.Add “getDefaultLauncher ()” API 10.Add “setMonitorId ()” API 11.Add “getMonitorId ()” API 12.Add “restoreSystemSettings ()” API 13.Add “setCecEnable ()” API 14.Add “getCecEnable ()” API 15.Add “setCecAutoPowerOffEnable ()” API 16.Add “getCecAutoPowerOffEnable ()” API 17.Add “setCecAutoWakeUpEnable ()” API 18.Add “getCecAutoWakeUpEnable ()” API 19.Add “setNoOpreationStandbyTime ()” API 20.Add “getNoOpreationStandbyTime ()” API	2024-8-15

Hisense Commerial Display

	21.Add “setFirstTempProtectFlag ()” API 22.Add “getFirstTempProtectFlag ()” API 23.Add “setSecondTempProtectFlag ()” API 24.Add “getSecondTempProtectFlag()” API 25.Add “setThirdTempProtectFlag ()” API 26.Add “getThirdTempProtectFlag ()” API 27.Add “setSourceBakEnable ()” API 28.Add “getSourceBakEnable ()” API 29.Add “setSourceBakMasterChannel ()” API 30.Add “getSourceBakMasterChannel ()” API 31.Add “setSourceBakSlaveChannel ()” API 32.Add “getSourceBakSlaveChannel ()” API 33.Add “setSourceBakChannelExtra ()” API 34.Add “getSourceBakChannelExtra ()” API 35.Add “setNoSignalStandbyEnable ()” API 36.Add “getNoSignalStandbyEnable ()” API 37.Add “setNoSignalStandby ()” API 38.Add “getNoSignalStandby ()” API	

Hisense Commercial Display

Table of contents

Hisense API SDK User Guide........9

1. Integrated approach........9
2. Initialization........9
3. Develop........10
4. Test........10

System API........10

Hisense Commerial Display

1. Device Version 10
2. Device ID 10
3. Serial Number 11
4. Screenshot 11
5. Simulate buttons 11
6. Start Settings 12
7. Power off 12
8. Set Power on Mode 12
9. Get Power on Mode 13
10. Set Boot Logo 13
11. Set Boot Animation 13
12. Turn on/off Screen 14
13. Install the third app silently 14
14. Uninstall the third app silently 16
15. Set Volume 16
16. Get Volume 16
17. Set Mute 17
18. Get Mute 17
19. Set Default Volume 17
20. Get Default Volume 18
21. Set Max Volume 18
22. Get Max Volume 18
23. Reboot 18
24. Set OTA Upgrade Enable 18
25. Get Whether OTA Upgrade Enable 19
26. Install OTA Package 19
27. Set System Time 19
28. Set White Balance Gain 20
29. Get White Balance Gain 20
30. Set White Balance Offset 21
31. Get White Balance Offset 21
32. Set Color Temperature Mode 21
33. Get Color Temperature Mode 22
34. Set Screen Rotation 22
35. Get Screen Rotation 23
36. Set Menu Rotation 23
37. Get Menu Rotation 24
38. Set Settings DB 24
39. Set Timer On and Off 24
40. Get the runtime 26
41. Set the power-on delay switch 27
42. Get the power-on delay switch 27
43. Set the power-on delay time 27
44. Get the power-on delay time 28
45. Set sleep mode switch 28
46. Get sleep mode switch 28
47. Set Default Home Page 28
48. Get Default Home Page 29
49. Set serial port ID 29
50. Get serial port ID 29
51. Factory reset 30

Hisense Commercial Display

52. Set HDMI CEC switch 30
53. Get HDMI CEC switch 30
54. Set the CEC standby control switch 31
55. Get the CEC standby control switch 31
56. Set the CEC power-on switch 31
57. Get the CEC power-on switch 32
58. Set time of No operation standby 32
59. Get time of No operation standby 32
60. Set the over-temperature protection level 1 switch 33
61. Get the over-temperature protection level 1 switch status 33
62. Set the over-temperature protection level 2 switch 33
63. Get the over-temperature protection level 2 switch status 34
64. Set the over-temperature protection level 3 switch 34
65. Get the over-temperature protection level 3 switch status 34

Source API 35

1. Switch to the Specific Source 35
2. Get Current Input Source 35
3. Set Boot Source 36
4. Get Boot Source 36
5. Set Brightness 36
6. Get Brightness 37
7. Set Contrast 37
8. Get Contrast 37
9. Set Backlight 37
10. Get Backlight 38
11. Set Saturation 38
12. Get Saturation 38
13. Set Source Window 38
14. Set Gamma Mode 39
15. Get Gamma Mode 40
16. Set Dynamic Contrast 40
17. Get Dynamic Contrast 40
18. Set Color Correction 40
19. Get Color Correction 41
20. Set Failover switch 42
21. Get Failover switch 42
22. Set master channel of Failover 42
23. Get master channel of Failover 42
24. Set slave channel of Failover 43
25. Get slave channel of Failover 43
26. Set the slave channel package name or id parameter 43
27. Get the slave channel package name or id parameter 44
28. Set the no-signal standby function switch 44
29. Get the no-signal standby function switch 44
30. Set time of no-signal standby 45
31. Get time of no-signal standby 45

Network API 45

Hisense Commercial Display

32. Get Network Type 45
33. Get IP Address 46
34. Get Mac Address 46
35. Wifi status 46
36. Wired Status 47
37. Connect Wifi 47
38. Auto Connect Wired network........ 47
39. Wired network static connection Settings........ 47
40. Set Hotspot........ 48
41. Get Hotspot Status........ 48

Hisense Commerial Display

Resources

The resources are described in three categories: Hisense APISDK User Guide, system API, Source API and Network API.

Hisense API SDK User Guide

1. Integrated approach

a) Download jar library

Download or copy the hisense_api.jar for Hisense API

b) Android Studio Project

Copy the hisense_api.jar file to the libs directory of the module, and add dependencies in the gradle file of the module:

```
dependencies {
    implementation files('libs/hisense_api.jar')
}
```

c) Parameter configuration

To avoid confusion, please add the following configuration to the Proguard obfuscation file:

```
-dontwarn com.hisense.hotel.**
-keep public class com.hisense.hotel.**{*;}
```

2. Initialization

APK need to import com.hisense.hotel.IServicesReadyListener
Listen to whether the interface is registered via addServiceReadyListener
The system will call the SDK interface through allServicesReady notification to the application after the service is ready.
When the application exits, you need to try the onDestoty of HotelSystemManager.

Call the initialization interface:

```
// Register  listener
HisenseManager.getInstance().addServiceReadyListener(new
IServicesReadyListener() {
      @Override
      public void allServicesReady() {
            // Service initialization completed
            // TODO Instantiate the HotelSystemManager,
HotelSourceManager, and HotelNetworkManager classes to call the SDK
interface
```

Hisense Commerial Display

```
    }
});
//Initialization
HisenseManager.getInstance().init(context);
```

3. Develop

Instantiate HotelSystemManager and call System API interface;
Instantiate HotelSourceManager and call Source API interface;
Instantiate HotelNetworkManager and call Network API interface;

4. Test

Install HisenseApiTest.apk for interface testing.

System API

Import Package: HotelSystemManager

1. Device Version

Description
Get device software version information.

Function Name
String getSoftwareVersion()

Parameters:

Parameter	Category	Type	Description
	Output	String	version

Example Response
String：V0000.00.01A

2. Device ID

Description
Get the device ID, which is feature code + the last 8 digits of the mac

Function Name
String getDeviceID()

Parameters

Parameter	Category	Type	Description
	Output	String	Device ID

Hisense Commercial Display

Example Response

86100300900000b00000060a484e847e

3. Serial Number

Description

Get the serail number of the device

Function Name

String getSerialNumber()

Parameters

Parameter	Category	Type	Description
	Output	String	Serial Number

4. Screenshot

Description

Get a screenshot of the current display interface. If the parameter "path" is null, a file such as screen_xxxxxx.jpg will be generated in the data/data directory.

Function Name

void shotScreen(String path)

Parameters

Parameter	Category	Type	Description
Path	Input	String	Save the path and name of jpg file Such as /data/data/screen2.jpg

5. Simulate buttons

Description

Simulate android key value

Function Name

Boolean injectKey(final int keyCode)

Parameters

Parameter	Category	Type	Description
keycode	Input	int	For simulated key values, see the KEYCODE definition in

Hisense Commerial Display

			android.view.KeyEvent, including: Back: 4 Number0-9: 7-16 Up(Volume up): 24 Down(Volume down): 25 Left(Rewind):89 Right(fast forward):2060 OK:23 Mute:164 Settings:2075 Standby:26 Menu:82 Home:3

6. Start Settings

Description
Start Hisense's Settings

Function
Void startSystemSettingMenu()

7. Power off

Description
Power off

Function Name
Boolean shutdownSystem(Context context)

Parameters

Parameter	Category	Type	Description
	Output	boolean	False: setup failed True: setup successful

8. Set Power on Mode

Description
Set the boot mode: direct/standby/last

Function Name
Boolean setBootModel(int model)

Parameters

Hisense Commercial Display

Parameter	Category	Type	Description
model	Input	int	0: direct 1: last 2:standby
	Output	boolean	False: setup failed True: setup successful

9. Get Power on Mode

Description

get the boot mode

Function Name

int getBootModel()

Parameters

Parameter	Category	Type	Description
model	Output	int	0: direct 1: last 2:standby

Hisense Commercial Display

10. Set Boot Logo

Description

Set the boot logo. Photos only support jpg and png format, and the size cannot exceed 4MB

Function Name

boolean setBootLogo(String path)

Parameters

Parameter	Category	Type	Description
path	Input	String	The absolute path of photos
	Output	boolean	False: setup failed True: setup successful

11. Set Boot Animation

Description

Set the boot animation.

The boot animation can be in the form of image compression named "third_party_bootanimation.zip".   It can also be in the form of video named "Boot_animation.mp4".

"third_party_bootanimation.zip" and "Boot_animation.mp4" are placed in the "Boot animation" folder in the root directory of the USB disk

Function Name

boolean setBootAnimation(String path)

Parameters

Parameter	Category	Type	Description
path	Input	String	The absolute path of animation
	Output	boolean	False: setup failed True: setup successful

12. Turn on/off Screen

Description

Turn on/off the screen

Function Name

Boolean shutdownScreen(int model)

Parameters

Parameter	Category	Type	Description
model	Input	int	0: Turn on screen 1: Turn off screen 2: Close screen and volume
	Output	boolean	0: setup failed 1: setup successful

13. Install the third app silently

Description

Install the third app silently

Function

Boolean installSilentApp(String packageName, String path)

Parameters

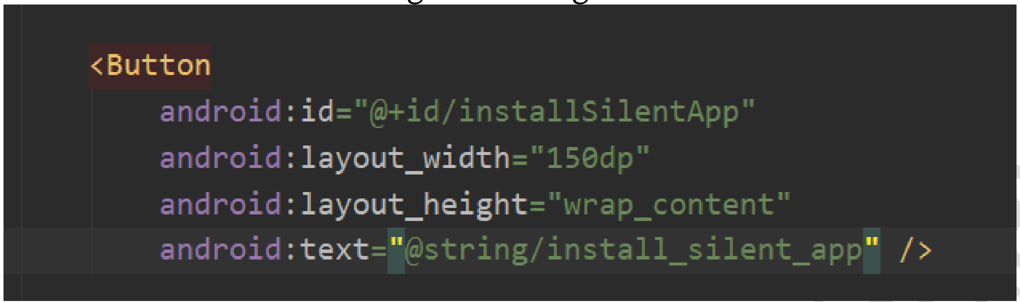
Parameter	Category	Type	Description
packageName	Input	String	The package name of installed App
path	Input	String	The path of installed App
	Output	boolean	0: setup failed

Hisense Commerial Display

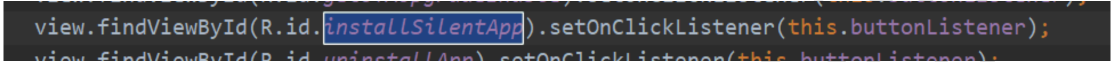
			1: setup successful

Example codes:

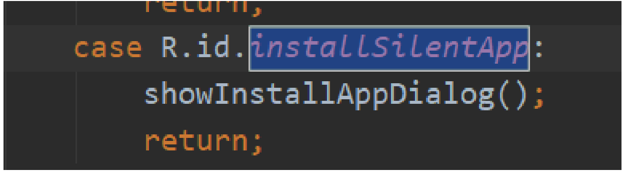
1.Creat a button to show dialog in MainFragment



```
<Button
    android:id="@+id/installSilentApp"
    android:layout_width="150dp"
    android:layout_height="wrap_content"
    android:text="@string/install_silent_app" />
```

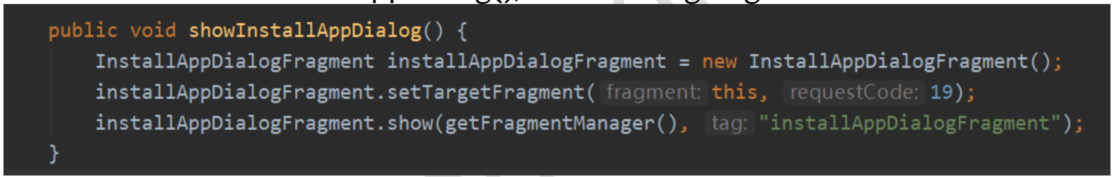


```
view.findViewById(R.id.installSilentApp).setOnClickListener(this.buttonListener);
```

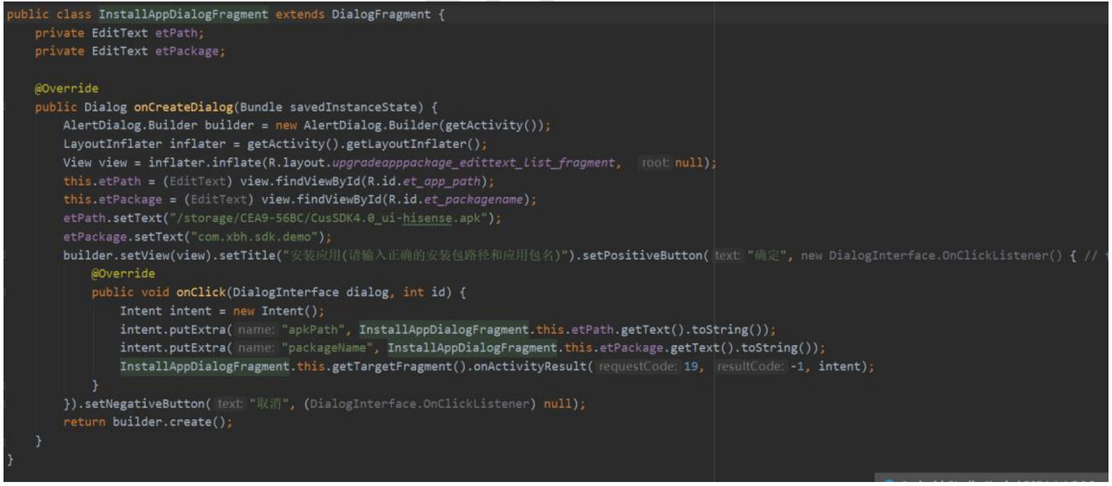


```
case R.id.installSilentApp:
    showInstallAppDialog();
    return;
```

2.In function showInstakkAppDialog(),start a DialogFragement



```
public void showInstallAppDialog() {
    InstallAppDialogFragment installAppDialogFragment = new InstallAppDialogFragment();
    installAppDialogFragment.setTargetFragment( fragment: this,  requestCode: 19);
    installAppDialogFragment.show(getFragmentManager(),  tag: "installAppDialogFragment");
}
```

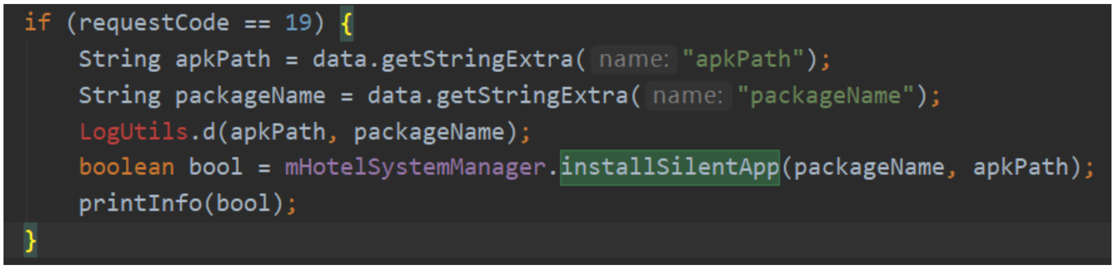


```
public class InstallAppDialogFragment extends DialogFragment {
    private EditText etPath;
    private EditText etPackage;

    @Override
    public Dialog onCreateDialog(Bundle savedInstanceState) {
        AlertDialog.Builder builder = new AlertDialog.Builder(getActivity());
        LayoutInflater inflater = getActivity().getLayoutInflater();
        View view = inflater.inflate(R.layout.upgradeapppackage_edittext_list_fragment,  root: null);
        this.etPath = (EditText) view.findViewById(R.id.et_app_path);
        this.etPackage = (EditText) view.findViewById(R.id.et_packagename);
        etPath.setText("/storage/CEA9-56BC/CusSDK4.0_ui-hisense.apk");
        etPackage.setText("com.xbh.sdk.demo");
        builder.setView(view).setTitle("安装应用(请输入正确的安装包路径和应用包名)").setPositiveButton( text: "确定", new DialogInterface.OnClickListener() { //
            @Override
            public void onClick(DialogInterface dialog, int id) {
                Intent intent = new Intent();
                intent.putExtra( name: "apkPath", InstallAppDialogFragment.this.etPath.getText().toString());
                intent.putExtra( name: "packageName", InstallAppDialogFragment.this.etPackage.getText().toString());
                InstallAppDialogFragment.this.getTargetFragment().onActivityResult( requestCode: 19,  resultCode: -1, intent);
            }
        }).setNegativeButton( text: "取消", (DialogInterface.OnClickListener) null);
        return builder.create();
    }
}
```

The DialogFragement putExtra to MainFragment by onActivityResult()

3.MainFragment getStringExtra in onActivityResult(), then call the method installSilentApp() to install app silently.



```
if (requestCode == 19) {
    String apkPath = data.getStringExtra( name: "apkPath");
    String packageName = data.getStringExtra( name: "packageName");
    LogUtils.d(apkPath, packageName);
    boolean bool = mHotelSystemManager.installSilentApp(packageName, apkPath);
    printInfo(bool);
}
```

14. Uninstall the third app silently

Description
Uninstall the third app silently

Function
Boolean uninstallApp(String packageName)

Parameters

Parameter	Category	Type	Description
packageName	Input	String	The package name of uninstalled App
	Output	boolean	0: setup failed 1: setup successful

Hisense Commercial Display

15. Set Volume

Description
Set volume

Function Name
Boolean setVolume(int volume)

Parameters

Parameter	Category	Type	Description
volume	Input	int	0-100
	Output	boolean	0: setup failed 1: setup successful

16. Get Volume

Description
Get the current volume

Function
int getVolume(int volume)

Parameters

Parameter	Category	Type	Description
	Output	int	0-100

17. Set Mute

Description

Set Mute/unMute

Function Name

Boolean setMuteFlag(Boolean flag)

Parameters

Parameter	Category	Type	Description
flag	Input	boolean	0: unmute 1: mute
	Output	boolean	0: setup failed 1: setup successful

18. Get Mute

Description

Get the sate of the volume: mute/unmute

Function Name

Boolean getMuteFlag ()

Parameters

Parameter	Category	Type	Description
	Output	boolean	0: Mute on 1: Mute off

19. Set Default Volume

Description

Set the default volume at startup

Function Name

Boolean setDefaultVolume(int volume)

Parameters

Parameter	Category	Type	Description
volume	Input	int	0-100

Hisense Commerial Display

20. Get Default Volume

Description
get the default volume at startup

Function Name
int getDefaultVolume(void)

Parameters

Parameter	Category	Type	Description
volume	Output	int	0-100

21. Set Max Volume

Description
Set max volume

Function Name
Boolean setMaxVolume(int volume)

Parameters

Parameter	Category	Type	Description
volume	Input	int	0-100

22. Get Max Volume

Description
Get max volume

Function Name
int getMaxVolume(void)

Parameters

Parameter	Category	Type	Description
volume	Output	int	0-100

23. Reboot

Description
Reboot device
Function Name
void rebootDevice()

24. Set OTA Upgrade Enable

Description

Hisense Commercial Display

Set the OTA upgrade switch

Function Name
boolean setOTAUpgradeEnable(boolean enabled)

Parameters

Parameter	Category	Type	Description
enabled	Input	boolean	True: on False: off
	Output	boolean	False: setup failed True: setup successful

25. Get Whether OTA Upgrade Enable

Description
Get whether OTA upgrade enabled

Function Name
boolean getOTAUpgradeEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	False: off True: on

26. Install OTA Package

Description
Install OTA package

Function Name
boolean installOTAPackage(String path)

Parameters

Parameter	Category	Type	Description
path	Input	String	The absolute path of OTA package
	Output	boolean	False: setup failed True: setup successful

27. Set System Time

Description
Set system time

Hisense Commercial Display

Function Name

boolean setSystemTime_Year(int year, int month, int day)
boolean setSystemTime_Hour(int hour, int minute, int second)

Parameters

Parameter	Category	Type	Description
year	Input	int	Can’t be newer than 2036
month	Input	int	1-12
day	Input	int	1-31
hour	Input	int	0-23
minute	Input	int	0-59
second	Input	int	0-59
	Output	boolean	False: setup failed True: setup successful

28. Set White Balance Gain

Description

Set white balance gain

Function Name

boolean setWhiteBalanceGain(int[] rgb)

Parameters

Parameter	Category	Type	Description
rgb	Input	int[]	The length is fixed at 3, which are the red gain value, green gain value, and blue gain value, and the range is -30 to 30.
	Output	boolean	False: setup failed True: setup successful

29. Get White Balance Gain

Description

Get White balance gain

Function Name

int[] getWhiteBalanceGain()

Parameters

Parameter	Category	Type	Description

Hisense Commercial Display

	Output	int[]	The length is fixed at 3, which are the red gain value, green gain value, and blue gain value, and the range is -30 to 30.

30. Set White Balance Offset

Description
Set white balance offset

Function Name
boolean setWhiteBalanceOffset(int[] rgb)

Parameters

Parameter	Category	Type	Description
rgb	Input	int[]	The length is fixed at 3, which are the red offset value, green offset value, and blue offset value, and the range is -30 to 30.
	Output	boolean	False: setup failed True: setup successful

license Commerial Display

31. Get White Balance Offset

Description
Set white balance offset

Function Name
int[] getWhiteBalanceOffset()

Parameters

Parameter	Category	Type	Description
	Output	int[]	The length is fixed at 3, which are the red offset value, green offset value, and blue offset value, and the range is -30 to 30.

32. Set Color Temperature Mode

Description
Set color temperature mode

Function Name
boolean setUserColorTempMode(int mode)

Parameters

Parameter	Category	Type	Description
mode	Input	int[]	0: cold 1: coldish 2: standard 3: warmish 4: warm
	Output	boolean	False: setup failed True: setup successful

33. Get Color Temperature Mode

Description
Get color temperature mode

Function Name
int getUserColorTempMode()

Parameters

Parameter	Category	Type	Description
	Output	int	0: cold 1: coldish 2: standard 3: warmish 4: warm

34. Set Screen Rotation

Description
Set the rotation of screen

Function Name
void setScreenRotation(int rotation)

Parameters

Parameter	Category	Type	Description
rotation	Input	int	0: 0° 1: 90°

Hisense Commerial Display

			2: 180° 3: 270°
	Output		

Note

If the screen rotation in the settings only has landscape and vertical, then 0 represents landscape screen and 1 represents vertical screen.

35. Get Screen Rotation

Description

Get the rotation of screen

Function Name

int getScreenRotation()

Parameters

Parameter	Category	Type	Description
	Input		
rotation	Output	int	0: 0° 1: 90° 2: 180° 3: 270°

Note

If the screen rotation in the settings only has landscape and vertical, then 0 represents landscape screen and 1 represents vertical screen.

36. Set Menu Rotation

Description

Set the rotation of OSD menu

Function Name

void setMenuRotation(int rotation)

Parameters

Parameter	Category	Type	Description
rotation	Input	int	0: 0° 1: 90° 2: 180° 3: 270°
	Output		

Note

Hisense Commercial Display

If the menu rotation in the settings only has landscape and vertical, then 0 represents landscape menu and 1 represents vertical menu.

37. Get Menu Rotation

Description
Get the rotation of OSD menu

Function Name
int getMenuRotation()

Parameters

Parameter	Category	Type	Description
	Input		
	Output	int	0: 0° 1: 90° 2: 180° 3: 270°

Note
If the menu rotation in the settings only has landscape and vertical, then 0 represents landscape menu and 1 represents vertical menu.

38. Set Settings DB

Description
Set the value of Settings DB

Function Name
boolean setSettingsDBValue(int type,String key,String value)

Parameters

Parameter	Category	Type	Description
type	Input	int	0: system DB 1: global DB 2: secure DB
key	Input	String	the key of database
	Input	String	the value of the database
	Output	boolean	False: setup failed True: setup succeed

39. Set Timer On and Off

Description

Hisense Commercial Display

Set the timer on/off (corresponding to the parameters in Settings-On/Off-Timer On/Off). Note that the time interval of the timer on/off sub-option must not be less than 5 minutes.

Function Name

boolean setTimerSwitchInfo(boolean isPowerOff, boolean enable, int index, int type, int hour, int minute, int[] manualWeeks)

Parameters

Parameter	Category	Type	Description
isPowerOff	Input	boolean	True: scheduled power off False: scheduled power on
enable	Input	boolean	True: open the corresponding index scheduled power on/off option; False: turn off the corresponding index scheduled power on and off function
index	Input	int	Settings support 6 groups scheduled power on/off. 0/1/2 : scheduled power-on; 3/4/5: scheduled power-off
type	Input	int	There are 7 types can be set for the timer switch. 0: off 1: once 2: every day 3: Monday to Friday 4: Monday to Saturday 5: Saturday to Sunday 6: manual setting
hour	Input	int	the input hour, ranging from 0 to 23
minute	Input	int	The input minute, Ranging from 0 to 59
[]manualWeeks	Input	Int[]	When the type is 6, this parameter should not be null. It is the week array data. When the type is not

Hisense Commercial Display

			6, this parameter can be null. 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
	Output	boolean	False: setup failed True: setup succeed

Example

// Set the first set of scheduled power-on time from Monday to Friday at 9:30
mHotelSystemManager.setTimerSwitchInfo(false,true,0,3,9,30,null);

// Set the first set of scheduled power-off time from Monday to Friday at 10:30
mHotelSystemManager.setTimerSwitchInfo(true,true,3,3,10,30,null);

// Set the second set of scheduled power-offs. The type is manual setting. The time is 11:30 on Sunday and Monday.
mHotelSystemManager.setTimerSwitchInfo(true,true,4,6,11,30,new int[]{0,1});

// Turn off the first set of settings for scheduled power-off
mHotelSystemManager.setTimerSwitchInfo(true,false,3,0,0,0,null);

// Turn off the second set of settings for scheduled power on
mHotelSystemManager.setTimerSwitchInfo(false,false,1,0,0,0,null);

40. Get the runtime

Description
Get the runtime.

Function Name
Int getUsageTime()

Parameters

Parameter	Category	Type	Description
	Output	int	Run time (in minutes)

Hisense Commerial Display

41. Set the power-on delay switch

Description

Set the power-on delay switch status.

Function Name

boolean setPowerOnDelayEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: switch off
	Output	boolean	True: setup succeed False: setup failed

42. Get the power-on delay switch

Description

Get the power-on delay switch status.

Function Name

boolean getPowerOnDelayEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: switch off

43. Set the power-on delay time

Description

Set the power-on delay time.

Function Name

boolean setPowerOnDelay(int value)

Parameters

Parameter	Category	Type	Description
value	Input	int	Power-on delay time, unit: second
	Output	boolean	True: setup succeed

Hisense Commercial Display

			False: setup failed

44. Get the power-on delay time

Description
Get the power-on delay time.

Function Name
int getPowerOnDelay()

Parameters

Parameter	Category	Type	Description
	Output	int	Power-on delay time, unit: second

45. Set sleep mode switch

Description
Set the sleep mode switch status.

Function Name
void setFakePowerOff(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: switch off

46. Get sleep mode switch

Description
Get the sleep mode switch status.

Function Name
boolean getFakePowerOff()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: switch off

47. Set Default Home Page

Description

Hisense Commercial Display

Set Default Home Page.

Function Name
void setDefaultLauncher(String pkgName)

Parameters

Parameter	Category	Type	Description
pkgName	Input	String	The package name of the application to be set as the default home page

48. Get Default Home Page

Description
Get the package name of the application currently set as the default home page.

Function Name
String getDefaultLauncher()

Parameters

Parameter	Category	Type	Description
	Output	String	The package name of the application to be set as the default home page

49. Set serial port ID

Description
Set serial port ID, unique ID.

Function Name
boolean setMonitorId(String monitorId)

Parameters

Parameter	Category	Type	Description
monitorId	Input	String	1~255
	Output	boolean	True: setup succeed False: setup failed

50. Get serial port ID

Hisense Commerial Display

Description
Get serial port ID.

Function Name
String getMonitorId()

Parameters

Parameter	Category	Type	Description
	Output	String	1~255

51. Factory reset

Description
Reset all data and clear partition data.

Function Name
boolean restoreSystemSettings()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: setup succeed False: setup failed

52. Set HDMI CEC switch

Description
Set HDMI CEC switch status.

Function Name
boolean setCecEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: switch off
	Output	boolean	True: setup succeed False: setup failed

53. Get HDMI CEC switch

Description
Get HDMI CEC switch status.

Function Name
boolean getCecEnable()

Hisense Commercial Display

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: switch off

54. Set the CEC standby control switch

Description

Set the CEC standby control switch status.

Function Name

boolean setCecAutoPowerOffEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: switch off
	Output	boolean	True: setup succeed False: setup failed

55. Get the CEC standby control switch

Description

Get the CEC standby control switch status.

Function Name

boolean getCecAutoPowerOffEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: switch off

56. Set the CEC power-on switch

Description

Set the CEC power-on switch status.

Function Name

boolean setCecAutoWakeUpEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on

Hisense Commercial Display

			False: switch off
	Output	boolean	True: setup succeed False: setup failed

57. Get the CEC power-on switch

Description

Get the CEC power-on switch status.

Function Name

boolean getCecAutoWakeUpEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: switch off

58. Set time of No operation standby

Description

Set time of No Operation standby.

Function Name

boolean setNoOpreationStandbyTime(int time)

Parameters

Parameter	Category	Type	Description
time	Input	int	No operation standby time, unit: seconds
	Output	boolean	True: setup succeed False: setup failed

59. Get time of No operation standby

Description

Get time of No operation standby.

Function Name

int getNoOpreationStandbyTime()

Parameters

Parameter	Category	Type	Description
	Output	int	No operation standby time, unit: seconds

Hisense Commercial Display

60. Set the over-temperature protection level 1 switch

Description

Set the over-temperature protection level 1 switch.

Function Name

void setFirstTempProtectFlag(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: swtich off When the temperature reaches 70 degrees Celsius, the brightness is automatically reduced by half

Hisense Commerial Display

61. Get the over-temperature protection level 1 switch status

Description

Get the over-temperature protection level 1 switch status.

Function Name

boolean getFirstTempProtectFlag()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: swtich off

62. Set the over-temperature protection level 2 switch

Description

Set the over-temperature protection level 2 switch.

Function Name

void setSecondTempProtectFlag(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on

			False: swtich off When the temperature reaches 90 degrees Celsius, it will shut down.

63. Get the over-temperature protection level 2 switch status

Description

Get the over-temperature protection level 2 switch status.

Function Name

boolean getSecondTempProtectFlag()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: swtich off

64. Set the over-temperature protection level 3 switch

Description

Set the over-temperature protection level 3 switch.

Function Name

void setThirdTempProtectFlag(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: switch on False: swtich off Automatically shuts down when the temperature reaches 100 degrees Celsius

65. Get the over-temperature protection level 3 switch status

Description

Get the over-temperature protection level 3 switch status.

Function Name

boolean getThirdTempProtectFlag()

Hisense Commerial Display

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: switch on False: swtich off

Source API

Import Package: HotelSourceManager

1. Switch to the Specific Source

Description

Switch to the specific source

Function Name

Boolean setCurrentInputSource(int source,String packagename)

Parameters

Parameter	Category	Type	Description
packageName	Input	String	The packageName of the calling app
source	Input	int	HDMI1:0x501 HDMI2:0x502 AndroidSource:0xA02 DP:0x503
	Output	boolean	0: setup failed 1: setup successful

2. Get Current Input Source

Description

Get the current input source

Function Name

int getCurrentInputSource()

Parameters

Parameter	Category	Type	Description
	Output	int	HDMI1:0x501 HDMI2:0x502 AndroidSource:0xA02 DP:0x503

Hisense Commercial Display

3. Set Boot Source

Description

Set startup input source

Function Name

Boolean setStartupInputSource(int source)

Parameters

Parameter	Category	Type	Description
source	Input	int	HDMI1:0x501 HDMI2:0x502 AndroidSource:0xA02 DP:0x503
	Output	boolean	0: setup failed 1: setup successful

4. Get Boot Source

Description

Get the boot source

Function Name

int getStartupInputSource ()

Parameters

Parameter	Category	Type	Description
	Output	int	HDMI1:0x501 HDMI2:0x502 AndroidSource:0xA02 DP:0x503

5. Set Brightness

Description

Set the brightness, only available for the current source.

Function Name

Boolean setBrightness(int bright)

Parameters

Parameter	Category	Type	Description
bright	Input	int	0-100
	Output	boolean	0: setup failed 1: setup successful

Hisense Commercial Display

6. Get Brightness

Description

Get the current brightness

Function Name

int getBrightness()

Parameters

Parameter	Category	Type	Description
	Output	int	0-100

7. Set Contrast

Description

Set the contrast, only available for the current source.

Function Name

Boolean setContrast(int contrast)

Parameters

Parameter	Category	Type	Description
contrast	Input	int	0-100
	Output	boolean	0: setup failed 1: setup successful

8. Get Contrast

Description

Get the current contrast

Function Name

int getContrast()

Parameters

Parameter	Category	Type	Description
	Output	int	0-100

9. Set Backlight

Description

Set backlight value

Function Name

Boolean setBackLightValue (int value)

Parameters

Hisense Commercial Display

Parameter	Category	Type	Description
value	Input	int	0-100
	Output	boolean	0: setup failed 1: setup successful

10. Get Backlight

Description
Get backlight value

Function Name
int getBackLightValue ()

Parameters

Parameter	Category	Type	Description
	Output	int	0-100

11. Set Saturation

Description
Set saturation

Function Name
boolean setSaturation(int value)

Parameters

Parameter	Category	Type	Description
value	Input	int	0-100
	Output	boolean	0: setup failed 1: setup successful

12. Get Saturation

Description
Get saturation value

Function Name
int getSaturation()

Parameters

Parameter	Category	Type	Description
	Output	int	0-100

13. Set Source Window

Hisense Commerial Display

Description

Set source window

Function Name

Boolean setSourceWindow(Rect rect)

Parameters

Parameter	Category	Type	Description
value	Input	Rect	4 values need to be entered: int left, int right, int top, int bottom Non-4K full screen is (0,0,1920,1080) 4K full screen is (0,0,3840,2160) 4 values need to be entered: int the distance to left of device, int the distance to top of device, int the distance to right of device, int the distance to bottom of device full screen is (0,0,0,0)
	Output	boolean	false: setup failed true: setup successful

Hisense Commercial Display

14. Set Gamma Mode

Description

Set gamma mode

Function Name

boolean setGammaMode(int mode)

Parameters

Parameter	Category	Type	Description
mode	Input	int	0: standard 1: bias 2: darker
	Output	boolean	false: setup failed true: setup successful

15. Get Gamma Mode

Description

Get gamma mode

Function Name

int getGammaMode ()

Parameters

Parameter	Category	Type	Description
	Output	int	0: standard 1: bias 2: darker

16. Set Dynamic Contrast

Description

Switch on/off dynamic contrast

Function Name

boolean setDynamicContrast(boolean isEnable)

Parameters

Parameter	Category	Type	Description
isEnable	Input	boolean	false: off true: on
	Output	boolean	0: setup failed 1: setup successful

Hisense Commerial Display

17. Get Dynamic Contrast

Description

Get the dynamic contrast state

Function Name

boolean getDynamicContrast ()

Parameters

Parameter	Category	Type	Description
	Output	boolean	false: off true: on

18. Set Color Correction

Description

Set the color correction parameters

Function Name

boolean setColorCorrection(int mode, int[] params)

Parameters

Parameter	Category	Type	Description
mode	Input	int	0: red 1: green 2: blue 3: cyan 4: yellow 5: purple 6: complexion
params	Input	int[]	The length is fixed at 3, which are hue, saturation and brightness respectively, and the range is -15 to 15
	Output	boolean	0: setup failed 1: setup successful

19. Get Color Correction

Description

Get the color correction parameters

Function Name

int[] getColorCorrection (int mode)

Parameters

Parameter	Category	Type	Description
mode	Input	int	0: red 1: green 2: blue 3: cyan 4: yellow 5: purple 6: complexion
	Output	int[]	The length is fixed at 3, which are hue, saturation and brightness respectively, and the range is -15 to 15

Hisense Commercial Display

20. Set Failover switch

Description

Set Failover switch.

Function Name

void setSourceBakEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	Ture: switch on False: switch off

21. Get Failover switch

Description

Get Failover switch status.

Function Name

boolean getSourceBakEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	Ture: switch on False: switch off

22. Set master channel of Failover

Description

Set master channel of Failover.

Function Name

void setSourceBakMasterChannel(int channel)

Parameters

Parameter	Category	Type	Description
channel	Input	int	0: HDMI 1 1: HDMI 2 3: DP

23. Get master channel of Failover

Description

Hisense Commercial Display

Get master channel of Failover.

Function Name
int getSourceBakMasterChannel()

Parameters

Parameter	Category	Type	Description
	Output	int	0: HDMI 1 1: HDMI 2 3: DP

24. Set slave channel of Failover

Description
Set slave channel of Failover.

Function Name
void setSourceBakSlaveChannel(int channel)

Parameters

Parameter	Category	Type	Description
channel	Input	int	0: HDMI 1 1: HDMI 2 3: DP

25. Get slave channel of Failover

Description
Get slave channel of Failover.

Function Name
int getSourceBakSlaveChannel()

Parameters

Parameter	Category	Type	Description
	Output	int	0: HDMI 1 1: HDMI 2 3: DP

26. Set the slave channel package name or id parameter

Description
Set the slave channel package name or id parameter.

Function Name

Hisense Commercial Display

void setSourceBakChannelExtra(String extra)

Parameters

Parameter	Category	Type	Description
extra	Input	String	The APP package name that needs to be set

27. Get the slave channel package name or id parameter

Description
Get the slave channel package name or id parameter.

Function Name
String getSourceBakChannelExtra()

Parameters

Parameter	Category	Type	Description
	Output	String	The APP package name

Hisense Commercial Display

28. Set the no-signal standby function switch

Description
Set the no-signal standby function switch.

Function Name
boolean setNoSignalStandbyEnable(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	Ture: switch on False: switch off
	Output	boolean	False: setup failed True: setup successful

29. Get the no-signal standby function switch

Description
Set the no-signal standby function switch.

Function Name
boolean getNoSignalStandbyEnable()

Parameters

Parameter	Category	Type	Description
	Output	boolean	Ture: switch on

			False: switch off

30. Set time of no-signal standby

Description
Set time of no-signal standby.

Function Name
boolean setNoSignalStandby(int value)

Parameters

Parameter	Category	Type	Description
value	Input	int	No signal standby time, unit: seconds
	Output	boolean	False: setup failed True: setup successful

31. Get time of no-signal standby

Description
Get time of no-signal standby.

Function Name
int getNoSignalStandby()

Parameters

Parameter	Category	Type	Description
	Output	int	No signal standby time, unit: seconds

Network API

Import Package: HotelNetworkManager

32. Get Network Type

Description
Get current network type
Function Name
int getNetType()

Parameters

Parameter	Category	Type	Description
	Output	int	0: null

Hisense Commercial Display

			1: DHCP Ethernet 2: Static Ethernet 3: WiFi

33. Get IP Address

Description

Get the current IP

Function Name

String getIpAddress()

Parameters

Parameter	Category	Type	Description
	Output	String	Get the current IP address. If now is wired connection, get the wired IP. If now is wireless connection, get the wireless IP

Hisense Commercial Display

34. Get Mac Address

Description

Get the current mac. When wifi is connected, get the wifi mac first. When wifi is not connected but is connected by wire, get the wired mac.

Function Name

String getMacAddress()

Parameters

Parameter	Category	Type	Description
	Output	String	mac

35. Wifi status

Description

Get wifi connection status

Function Name

boolean isWiFiConnected()

Parameters

Parameter	Category	Type	Description

	Output	boolean	True: connected False: not connected

36. Wired Status

Description
Get ethernet connection status

Function Name
boolean isEthernetNetworkConnected()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: connected False: not connected

37. Connect Wifi

Description
Connect　wifi via: SSID&password

Function Name
void connectWifi(String ssid,String password,String,security)

Parameters

Parameter	Category	Type	Description
security	Input	String	Can only be the following specified String: "None" "WEP" "WPA_PSK" "WPA_EAP"

38. Auto Connect Wired network

Description
DHCP obtain IP

Function Name
void autoConnectEthernet()

39. Wired network static connection Settings

Description
set IP address、subnet mask、gateway、DNS parameters manually

Hisense Commerial Display

Function Name

Boolean manualConnectEthernet(String ip,String subnetMask,String gateway,String dns)

Parameters

Parameter	Category	Type	Description
ip	Input	String	Ip address
SubnetMask	Input	String	Subnet mask
gateway	Input	String	gateway
dns	Input	String	dns
	Output	boolean	False: The parameter is incorrect True: setup successful

Hisense Commercial Display

40. Set Hotspot

Description

Set hotspot

Function Name

boolean setWifiApState(boolean enable)

Parameters

Parameter	Category	Type	Description
enable	Input	boolean	True: turn on hotspot False: turn off hotspot
	Output	boolean	False: setup failed True: setup successful

41. Get Hotspot Status

Description

Get hotspot status

Function Name

boolean getWifiApState()

Parameters

Parameter	Category	Type	Description
	Output	boolean	True: turn on hotspot False: turn off hotspot

Hisense Commercial Display