LCD

Device Command

© 2020 Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

This Manual (hereinafter referred to be “the Manual”) is the property of Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as “Hikvision”), and it cannot be reproduced, changed, translated, or distributed, partially or wholly, by any means, without the prior written permission of Hikvision. Unless otherwise expressly stated herein, Hikvision does not make any warranties, guarantees or representations, express or implied, regarding to the Manual, any information contained herein.

About this Manual

Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to updates or other reasons. Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

LEGAL DISCLAIMER

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THE MANUAL IS PROVIDED "AS IS" AND “WITH ALL FAULTS AND ERRORS”. HIKVISION MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. IN NO EVENT WILL HIKVISION BE LIABLE FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), OR OTHERWISE, IN CONNECTION WITH THE USE OF THE MANUAL, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

Command Type（Optional）	Command Name	Command Function	Format	More Information	Usage Example (Optional)
Production/Test	setCurrentTestStatus	Use serial port to control device, baud rate: 9600, 8N1	CA CA 11 00 01 B6 05 00 00 4A 01 00 01 00 01 02 4D		
	getTIDecodingMode		CA CA 0E 00 01 B6 05 00 00 46 01 00 00 58		
	getRGBbits		CA CA 0E 00 01 B6 05 00 00 44 01 00 00 5a		
	getTemperatureValue		CA CA 0E 00 01 B6 05 00 00 0f 00 00 00 90		
	testUSB		CA CA 0e 00 01 B6 05 00 00 02 04 00 00 99		
	getBacklightCondition		CA CA 0E 00 01 B6 05 00 00 38 01 00 00 66		
	testIndicator		CA CA 11 00 01 B6 05 00 00 09 04 00 01 00 01 00 8D		
	getIRRemoteControlValue		CA CA 0E 00 01 B6 05 00 00 0D 00 00 00 92		
	getPhysicalButtonValue		CA CA 0E 00 01 B6 05 00 00 0C 00 00 00 93		
	getFanSpeed		CA CA 0E 00 01 B6 05 00 00 10 00 00 00 8F		
	testSerialPort		CA CA 11 00 01 B6 05 00 00 06 04 00 01 00 01 81 0F		
	testHDMIInputSignal		CA CA 11 00 01 B6 05 00 00 3B 01 00 01 00 01 01 5D		
	testDVIInputSignal		CA CA 11 00 01 B6 05 00 00 3B 01 00 01 00 01 0A 54		
	testVGAInputSignal		CA CA 11 00 01 B6 05 00 00 3B 01 00 01 00 01 04 5A		
	testCVBSInputSignal		CA CA 11 00 01 B6 05 00 00 3B 01 00 01 00 01 0B 53		
	testAudioRightChannel		CA CA 11 00 01 B6 05 00 00 35 01 00 01 00 01 64 00		
	testAudioLeftChannel		CA CA 11 00 01 B6 05 00 00 35 01 00 01 00 01 32 32		
	startActiveVoice	Enable caller two-way audio serial port command and specify the two-way audio channel. videoChan represents local audio channel range 1-8 remoteIp represents IP address of the peer end remoteTbChan represents two-way audio channel of the peer end	startActiveVoice [videoChan] : [remoteIp] : [remoteTbChan]		
	stopActiveVoice	Stop caller two-way audio serial port command videoChan represents local audio channe range 1-8 remoteIp represents IP address of the peer end remoteTbChan represents two-way audio channel of the peer end	stopActiveVoice [videoChan] : [remoteIp] : [remoteTbChan]		
	sessionEnable	Enable session authentication	sessionEnable		
	sessionDisable	Disable session authentication	sessionDisable		
	setHttpEnable	Set http switch enable	setHttpEnable		
	setHttpsEnable	Set https switch enable	setHttpsEnable		
	outputOpen	Redirect process output to the serial port	outputOpen		
	outputClose	Close the redirection of process output	outputClose		
	sendScomData	shell command test serial port send data scomNo represents serial port No. recvLen represents the length of received data, shorter than 1k	sendScomData [scomNo]：[szSndBuf]		
	readScomData	shell command test serial port read data scomNo represents serial port No. recvLen represents the length of received data, shorter than 1k	readScomData [scomNo] : [recvLen]		
	rebootDev	Reboot	rebootDev		
	writeLogTest	shell command test log cnt represents test the times of writing log	writeLogTest [cnt]		
	searchLogTest	Search log test from database major represents the major type of log minor represents the minor type of log	searchLogTest [major]:[minor]		
	testGetScomPara	shell command test and get serial port configuration parameter scomNo represents serial port No.	testGetScomPara [scomNo]		
	testSetScomPara	shell command test and set serial port configuration parameter scomNo represents serial port No. (Parameter is not editable in the interface)	testSetScomPara [scomNo]		
	netChanTest	Print local signal source information cmdNo represents command No.	netChanTest [cmdNo]		
	vgatest	VGA test (for production line test)	vgatest		
	hdmitest	HDMI test (for production line test)	hdmitest		
	dvitest	DVI test (for production line test)	dvitest		
	bnctest	BNC test (for production line test)	bnctest		

	i2ctest	IIC interface test	i2ctest		
	vi_test	Vi input test (for production line test)	vi_test		
	testDisplayChanMain	Test control board display channel cmdNo represents command No.	testDisplayChanMain [cmdNo]		
	wallVoTest	Video wall output port test	wallVoTest		
	wallViTest	Video wall input port test	wallViTest		
	justTest	Test shell command registered by serial port	justTest		
	startGetStream	Start to get stream ipStr represents monitor IP address smIpStr stream media server IP address	startGetStream [ipStr]:[smIpStr]		
	startDspDec	Start DSP decoding dspNo represents dsp No., range 1-8	startDspDec [dspNo]		
	stopDspDec	Stop DSP decoding dspNo represents dsp No., range 1-8	stopDspDec [dspNo]		
	setDspNotStart	Set DSP disable (for test) dspNo represents dsp No., range 1-8	setDspNotStart [dspNo]		
	showWebUserInfo	Show WEB log in user information	showWebUserInfo		
	showWebserVerPortPara	Show port parameter	showWebserVerPortPara		
	showDevGenerInfo	Show decoder general information	showDevGenerInfo		
	showDevBootTime	Show device startup time	showDevBootTime		
	showResourceStatistic	Decoder resource statistics	showResourceStatistic		
	showResourceBalanceAlg	Show resource balancing algorithm	showResourceBalanceAlg		
	showProductInfo	Show product parameter information	showProductInfo		
	showSoftVersion	Show software version No. and build date	showSoftVersion		
	showLogFileList	Show log file list	showLogFileList		
	showDspInitInfo	Show DSP start status	showDspInitInfo		
	showBootParms	Show device launch information	showBootParms		
	showMachConfigs	Show DSP control module device information	showMachConfigs		
	showBusinessList	Show manufacturer list	showBusinessList		
	showIllegalAccessInfo	Show invalid login information	showIllegalAccessInfo		
	showUserInfo	Show decoder login user information	showUserInfo		
	showUserPara	Get user parameter	showUserPara		
	showDispChanParam	Print display channel parameter dispChanNum represents display channel No., range 1-24	showDispChanParam [dispChanNum]		
	showAllScreenPara	Show all video wall screen parameter	showAllScreenPara		
	showAllWinPara	Show all video wall window parameter	showAllWinPara		
	showAllWinJoinPara	Show all video wall window linking parameter	showAllWinJoinPara		
	showAllAudioPara	Show all video wall audio parameter	showAllAudioPara		
	showClosedChanInfoList	View closed channel information	showClosedChanInfoList		
	showRtspTokenInfo	Show RTSP token information	showRtspTokenInfo		
	showAllBlock	Show all Block information	showAllBlock		
	getIp	Get device IP address and subnet mask, eth0 main NIC	getIp		
	getGateway	Get device gateway	getGateway		
	getScomInfo	Get serial port configuration parameter scomNo represents serial port No.	getScomInfo [scomNo]		
	getTime	Get system time	getTime		
	printShellServerList	Show all shell command registered in list	printShellServerList		
	printSurDevMngList	Show monitor device management list	printSurDevMngList		
	printSurTimerMngList	Show scheduled service management list	printSurTimerMngList		
	streamInChan	Stream channel module debug information main access cmdNo represents major command code, subCmdNo represents minor command code	streamInChan [cmdNo],[subCmdNo]		
Status Viewing	streamInChanCtrl	Stream input control streamInChan represents stream channel No. streamInCtrlStr represents control type, as follows: STREAMIN_CTRL_OPENAUDIO STREAMIN_CTRL_CLOSEAUDIO STREAMIN_CTRL_INIT_AUDIO STREAMIN_CTRL_STARTFLUENT STREAMIN_CTRL_STOPFLUENT	streamInChanCtrl [streamInChan]:[streamInCtrlStr]		
	streamInChanSaveVideo	Stream save chan represents stream channel No. video.mp4 represents name of the saved file	stream) streamInChanSaveVideo chan:CLOSE:video.mp4 (disable recording stream)		

	streamInChanVideoInPosition	Local video fine tune streamInChan represents stream channel No. xOffset represents x-offset yOffset represents y-offset wOffset represents width-offset hOffset represents height-offset Offset range is -512-512	streamInChanVideoInPosition streamInChan:xOffset:yOffset :wOffset:hOffset		
	gb28181Manage	Show GB information main entry cmdNo represents command No.	gb28181Manage [cmdNo]		
	vm_tty_hi	Enter subsystem systemNo represents subsystem No.	vm_tty_hi [systemNo]		
	/sbin/open_ssh(close_ssh)	Open ssh script	open_ssh		
	/sbin/close_ssh	Close ssh script	close_ssh		
	/sbin/get_switch_exit_status	Get switch information	get_switch_exit_status		
	/sbin/memdev	Read physical address data -d represents read -w represents write phyaddr represents physical address data represents data	memdev -d [phyaddr] memdev -w [phyaddr] [data]		
	/sbin/psh	psh program	psh		
	/sbin/smi_tool	Network chip smi read and write switchaddr represents switch address regaddr represents register address regval represents data written by register phyaddr represents phy address page represents page address smi represents network management bus	smi_tool switch [switchaddr] read [regaddr] smi_tool switch [switchaddr] write [regaddr] [regval] smi_tool switchphy [switchaddr] write [phyaddr] [page] [regaddr] [regval] smi_tool switchphy [switchaddr] read [phyaddr] [page] [regaddr] smi_tool switchphy [switchaddr] read all smi_tool switchphy [switchaddr] read all [phyaddr] smi_tool switchphy [switchaddr] read all [phyaddr] [page] smi_tool switch [switchaddr] phy read [smi] [phyaddr] [page] [regaddr] smi_tool switch [switchaddr] phy write [smi] [phyaddr] [page] [regaddr] [regval] smi_tool switch [switchaddr] phy read all smi_tool switch [switchaddr] phy read all [smi] smi_tool switch [switchaddr] phy read all [smi] [phyaddr] smi_tool switch [switchaddr] phy read all [smi] [phyaddr] [page] smi_tool phy write [phyaddr] [page] [regaddr] [regval] smi_tool phy read [phyaddr] [page] [regaddr] smi_tool phy read all [phyaddr] [page]		
	/sbin/smi_control	Network chip smi read and write regaddr represents register address regval represents data written by register page represents page address slot represents slot No.	smi_control switch read [regaddr] smi_control switch write [regaddr] [regval] smi_control switchphy read/write [slot] [page] [regaddr] [regval] smi_control switchphy read all smi_control switchphy read all [slot] smi_control switchphy read all [slot] [page] smi_control phy read [regaddr] smi_control phy write [regaddr] [regval]		
	/sbin/unpack	Serial port upgrade unpack upgrade package Serial port upgrade call	/sbin/unpack		
	/sbin/unpack_from_ddr	Serial port upgrade unpack upgrade package Serial port upgrade call	/sbin/unpack_from_ddr		
Parameters Configuration	/sbin/down_hi3536	Download and start hisi subsystem	down_hi3536 -down <hi3536> hi3536		
	setIp	Set main NIC IP address and subnet mask ipAddr represents IP address netmask represents subnet mask	setIp [ipAddr]： [netmask]		
	setGateway	Set main NIC gateway gatewayip represents gateway	setGateway [gatewayip]		
	setMutiIp	Set designated NIC IP	setMutiIp		
	setMutiGateway	Set designated NIC gateway	setMutiGateway		
	setTime	Set system time year, month, day, hour, min, sec	setTime [year]-[mouth]-[day] : [hour]-[min]-[sec]		
	setDebugLevel	Set serial port output print level level represents print level, range is 0-4	setDebugLevel [level]		
	setUsage	Set serial port usage scomNo represents serial port No. usage represents usage, range is 0-10	setUsage [scomNo] : [usage]		
	setdevactive	Activate device After activation, password is 12345	setdevactive		
	setdevinactive	Set device inactive status	setdevinactive		

	setSyncDisp	Synchronized output port display	setSyncDisp		
	setHdmiMode	Set HDMI output port mode dispChanNum represents display channel No., range is 1-16 hdmiMode represents mode, 0-AUTO/1-HDMI/2-DVI	setHdmiMode [dispChanNum]:[hdmiMode]		
	resetDevParam	Recover default parameter	resetDevParam		
	resetPasswd	Reset password	resetPasswd		
	cleanRtspTokenInfo	Clean RTSP token information	cleanRtspTokenInfo		