
# NVR/DVR Product

## Device Command

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| command types (optional, save if necessary) | command name | command function | commonly used format | commonly used additional parameter description | examples (optional, save if necessary) |
|---|---|---|---|---|---|
| | zhimakaimen | the command entrance of device exception debugging | | | |
| | debug | the command entrance of device exception debugging | | | |
| | dt printPart | print storage structure | | | |
| | dt showTagSysInfo | print specific drive --> file --> tag information of the segement | dt showTagSysInfo+HDDNo+fileNo+segNo | | |
| | dt recorderFileInfo | print specific file information (start and end time of file creation, segement information, record sourse GUID ) | dt recorderFileInfo+HDDNo+fileNo | | |
| | dt recorderMediaInfo | print storage media information (HDD type, status, R/W, rotary region, total capacity, left capacity, serial number, MDL, etc.) | | | |
| | dt recorderSegExtraInfo | print additional information | dt recorderSegExtraInfo+HDDNo+fileNo+[-s segNo -t extra information main type] | | |
| | dt recorderFileKeyFrame | print key frames or all frames of a segement | | | |
| | dt recorderSegmentInfo | print specific segement index<br><br>print all-channel HDD by default when channel and HDD are in default | dt recorderSegmentInfo startTime endTime [-cChanNo -dDiskName] | startTime means: start time，format: year-month-day-hour:minute:second。<br>endTime means: end time，format: year-month-day-hour:minute:second。<br>[-cChanNo -dDiskName] in the parameter set, -cChanNo group (-c is the fixed prefix)，ChanNo means channel number, e.g.-c1，-dDiskNamegroup(-d is the fixed prefix)，DiskName means disk name, such as-d/dev/sdc。 | dt recorderSegmentInfo 2019-01-01:12:10:00 2019-03-01:12:40:00 [-c1 -d/dev/sdc] |
| | dt clearDisksMode | clear HDD work mode | | | |
| | dt hdLoadCtrl | open/close HDD flow control and iostat print | dt hdLoadCtrl S status I status | S: HDD flow control, status vaule: on/off<br>I: iostat，status vaule: on/off | dt hdLoadCtrl S off I off |
| | dt getHdLock | print storage partition lock | | | |
| | dt iomonitor | output IO status print by force | dt iomonitor 0/1 | 1 - print status on<br>0 - print status off | dt iomonitor 0 |
| | dt recorderParam | print quota information (quota mode of the HDD management as premise) | | | |
| | dt recorderHDIdle | HDD Sleeping on/off | dt recorderHDIdle on/off | on<br>off | dt recorderHDIdle on |
| | dt enablePlanMode | enable/disable recording plan mode | dt enablePlanMode 1/0 | 1- on<br>0- off | dt enablePlanMode 1 |
| | dt setBitRate | set Max. Bitrate | | | |
| | dt raidAndGroup | configure storage mode | | | |
| | dt delSegInfo | set video segement information | dt delSegInfo Hd fileNo SegNo | Hd: HDD path<br>fileNo: file number<br>SegNo: video segement number | dt delSegInfo /dev/sd1 1 1 |
| | dt recorderStatus | print current dataflow status (data type (VIDEO/PIC), recording switch, recording plan type) | | | |
| | dt recorderChanInfo | print specific channel information | dt recorderChanInfo inChanNo | inChanNo：channel number | dt recorderChanInfo 32 |
| | dt getMode | get recording storage mode (plan, quota) | | | |
| | dt operRecStreamType | get recording plan configuration and advanced parameter<br>get recording plan/get stream type/set main stream/set sub stream/set dual stream | | | |
| | dt recorderPAllocFile | enable/disable print when apply for space | | | |
| | dt PrintMigInfo | invalid | | | |
| | dt showIpcMemInfo | print adjustment information of IPC dynamic memory | | | |
| | dt showRaidInfo | print raid information | | | |
| | dt showRaidCreatelog | show/clear raid creation log | dt showRaidCreatelog -s/-c | -s：print log information<br>-c：clear all the log information | dt showRaidCreatelog -s |
| | dt createRaid | create raid | dt createRaid -r type -d diskNo -n raidname | -r raidtype【type integer】<br>-d diskNo【diskNo】<br>-n raid name【raidname character string】 | dt createRaid -r 5 -d 2 -n raidname |
| | dt raidreplace | raid replace | | | |
| | dt deleteRaid | delete specific raid | dt deleteRaid raidNo | raidNo: raid slot | |
| | dt dbRecTest | | | | |
| | dt dbProgresBar | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | dt dbDelFile | delete all information of a file in the datasheet in the database | dt dbDeleteFile partName -ciChan -tiType -fiFileNo | partName：HDD path<br>-ciChan group parameter:<br>-c fixed prefix，iChan: channel number【integer】<br>-tiType group parameter:<br>-t fixed prefix, iType: type【integer】<br>-fiFileNo group parameter:<br>-f fixed prefix, iFileNo: fileNo【integer】 | dt dbDeleteFile /dev/sd1 -c1 -t5 -f52 |
| | dt dbAddHd | call synchronous test interface of the HDD database | | | |
| | dt dbPrintFileInfo | print file list in the database | | | |
| | dt dbFileIdxInfo | set print status | | | |
| | dt dbDbgCtrl | enable/disable database print<br>sql sentence/ search outcome/ all /disable print | | | |
| | dt dbDelHd | delete relevant records of the partition in the database | | | |
| | dt dbDelDbFile | delete relevant records of the specific file in the specific partition | | | |
| | dt dbShowMemInfo | print memory information | | | |
| | dt dbChangeDbFile | change video file information | | | |
| | dt dbRebuild | database repair specific HDD/all | | | |
| | dt getLockFileSpace | get locked file capacity | | | |
| | dt getFileNum | get file number in the specific time period | | | |
| | dt dbprintsearchid | print search id | | | |
| | dt searchAcrossTimeZone | search acrossed time zone | dt searchAcrossTimeZone sys/utc startTime endTime log/pic/record/iot [sea | sys/utc：system time/utc time<br>startTime：start time，format year-month-day-hour:minute:second<br>endTime：end time，format year-month-day-hour:minute:second<br>[searchtype]：search type，log [log]、picture [pic]、record [record] | |
| | dt setPicDelay | set capture interval | | | |
| | dt getPicDelay | get capture interval | | | |
| | dt printJpgHd | enable/disable JPEG capture print | | | |
| | dt getJpegInfo | get JPEG picture information | | | |
| | dt getBandWidth | get network bandwidth | | | |
| | dt getTime | get system time | | | |
| | dt setTime | set system time | | | |
| | dt dvdstatus | get DVD status | | | |
| | dt dbFaceLibCountTest | search face library picture information | | | |
| | dt dbFaceLibCheckTest | test whether picture and table are matched | | | |
| | dt setUsefulHdType | HDD type test [Note: possible data loss] | dt setUsefulHdType type | type: HDD type, optional parameters：<br>1 sata;<br>2 netHd;<br>3 Esata;<br>4 MiniSas; | |
| | dt setHdStatus | set HDD status | dt setHdStatus idx status | idx: HDD No<br>status: HDD status(1:unformate 2:idle) | |
| | dt dbVersionTest | test whether database verion and current version are matched | | | |
| | dt setLastWeekData | set average video file capacity and event migration capacity in a day | | | |
| | dt recorderPStartSeg | | | | |
| | dt wdda | test western HDD packing | | | |
| | dt wddaDebug | set the health information of the western HDD as debugging mode | | | |
| | dt wddaVersion | output western HDD version information | | | |
| | dt getShmInfo | get shm historical information | | | |
| | dt getSimpleShmInfo | get shm simple information | | | |
| | dt shmDbg | command lines set shm abnormal status, for test only | | | |
| | dt printPosGuid | print POS configuration information | | | |
| | dt printPartFile | print all file information of the HDD | | | |
| | dt printGuidInfo | print GUID information of the HDD | | | |
| | dt setDbgCtrl | output the debugging information of the serial port | | | |
| | dt getHardInfo | get hardware information, including device start time, device serial number, version information, encoding and decoding channel, alarm IO number, flash size, RAM, device language and device model | | | |

| | | | | | |
|---|---|---|---|---|---|
| | dt rebootDev | restart device | | | |
| | dt enableWatchdog | enable Watchdog | | | |
| | dt disableWatchdog | disable Watchdog | | | |
| | dt resetPasswd | reset password by inputing security code | | | |
| | dt GetDspMem | fixed application of 40 MB memory from DSP, repeatable application, but can lead to memory leak | | | |
| | dt FreeDspMem | free applied DSP memory | | | |
| | dt ShowPicCapLockInfo | print lock usage information of the capture module | | | |
| | dt showCurPlayChanFileInfo | print the file information, time information and storage position of the current playback file | | | |
| | dt showDevTemp | print device temperature | | | |
| | dt showPlayFileIframe | print the additional information of I frame in the current playback video segement | | | |
| | dt savePlayData | save and send DSP playback stream | | | |
| | dt setPlayTestCtrl | information output of the playback test | | | |
| | dt showPlayStatus | view relevant information of playback | | | |
| | dt showPlayChanStatus | view relevant information of the playback channel | dt showPlayStatus iVoChan [iWinNoMask] [iFunMask] | iVoChan: channel No<br>iWinNoMask: window mask<br>liFunMask: function mask | |
| | dt getPlayTestCtrl | view print level of the playback test | dt getPlayTestCtrl iVoChan[0] iWinNoMask[0x0] iTestFunMask[0x0] iFunMa | iVoChan: channel No<br>iWinNoMask: window mask<br>liFunMask: function mask | |
| | dt showPlayTime | view start time and segement of playback | dt showPlayTime iVoChan | iVoChan: channel No | |
| | dt showPlayScreenInfo | view screen information of playback | dt showPlayScreenInfo iVoChan | iVoChan: channel No | |
| | dt playdebug | print all status information of playback module | | | |
| | dt showPreviewInfo | view the relevant status information, lock information, stream type information, screen information, audio information and task execution information of the live view module | | | |
| | dt showPlatformInfo | relevant information print and function test of DSP and BSP, DSP command execution information, PSE relevant function test | | | |
| | dt showUserInfo | view login user information: ID, username, login time, permission, overdue time, IP address, MAC | | | |
| | dt watchdogreset | manual initialize hardware Watchdog | | | |
| | dt showDevMemInfo | test memory of the current dynamic application | | | |
| | dt GroupAlarmCfg | view configuration information of the group alarm | | | |
| | dt outputOpen | redirect print to SSH | | | |
| | dt outputClose | close redirect print to SSH | | | |
| | dt pthreadInfo | view all current thread information | | | |
| | dt outputCloseAll | close all print controlled by setDbgCtrl | | | |
| | dt outputRedirect | redirect print to specific file | | | |
| | dt errputOpen | cancel errputClose operation | | | |
| | dt errputClose | close the outputted print controled by setDbgCtrl | | | |
| | dt ucDbg | component debugging | | | |
| | dt brInfo | | | | |
| | dt brClear | | | | |
| | dt getDbgCtrl | get print level | | | |
| | dt t1 | t1 test order | | | |
| | dt t2 | t2 test order | | | |
| | dt showPackTaskInfo（TX1） | | | | |
| | dt ShowTx1ManageInfo（TX1） | view TX1 sending and reception of buffer information, sending and reception of alarm number, and time statistics | | | |
| | dt showIntellSearchUserInfo（TX1 | view login user information | | | |
| | dt tx1debugtest（TX1） | resetable TX1 | | | |
| | dt ShowTx1SyncLibInfo（TX1） | view sending information of GPU synchronous data | | | |
| | dt lsIptablesRules | print IP and MAC address of blacklist and whitelist, filter current efficient iptable rules | | | |
| | dt beepTest | buzzer test | | | |
| | dt closeCoaxTest | close T1 coaxial cable test | | | |
| | dt guiStatus | GUI menu status | | | |
| | dt guiPrtScr | print GUI interface status | | | |
| | dt guiChkCfg | Local pop-up menu, automatically shows the multi-language character string to test the display of multi-language character string. | | | |
| | dt setSimMouseStatus | whether to enable the analog mouse function | dt setSimMouseStatus devPasswd status | devPasswd: device password<br>status: status vaule(0/1) | |

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|---|---|---|---|---|---|
| | dt guiSavePic | Once enabled, pictures displayed from the file research will save directly in the memory, which can consume memory,leading to the device restart caused by insufficient memory. | dt guiSavePic pictureType status | pictureType: picture type【1: face, 2: smart】<br>status: status vaule (0: off,1: on) | |
| | dt setMouseStatus | set mouse status (on/off) | | | |
| | dt showGuiInfo | print GUI interface information | showGuiInfo 0/1 | 0: to see which interfaces are not a pair<br>1: to see which interfaces are called | |
| | dt helpm | print all the current registered order | | | |
| | dt brAU | print group information | | | |
| | dt getPeriod | Calculate the estimated cycle. Events and regular cycle can be got separately, and wether to get is depending on whether they are null or not. | | | |
| | dt setRecPlanCfg | set record event cycle ratio | dt setRecPlanCfg iNormal iEvent | iNormal: percentage of the normal video<br>iEvent: percentage of the event video | |
| | dt getRecPlanCfg | get record event cycle ratio | | | |
| | dt getRecMigPercent | get relevent file information of recording | | | |
| | dt planTest | recording plan test | | | |
| | dt getIp | get NVR IP parameter | | | |
| | dt setIp | set NVR IP parameter | dt setIp [IP ADDRESS]:[SUBNET MASK]:[GATEWAY IP] | [IP ADDRESS]: IP address<br>[SUBNET MASK]: subnet mask<br>[GATEWAY IP]: gateway IP | dt setIp 192.168.1.10:255.255.255.0 192.168.1.1 |
| | dt getPort | get NVR server port | | | |
| | dt setPort | set NVR server port | setPort port | port: port (integer) | |
| | dt getGateway | get gateway address | | | |
| | dt getAbiExcel | convert ability structure into excel table | | | |
| | dt getNetInterface | get NIC interface (0 for display of loopback NIC, 1 for no display of loopback NIC) | | | |
| | dt getInetTraffic | get flow information of the current NIC in recent 10 seconds | | | |
| | dt enableHB | enable heartbeat | | | |
| | dt disableHB | disable heartbeat | | | |
| | dt showCurPlayChanFileInfo | print video file information of the current playback channel | | | |
| | dt setBandWidthParaCtrl | set bandwidth | setBandWidthParaCtrl iMaxBandWidth | iMaxBandWidth:<br>0: iMaxBandWidth 0kbps<br>100: iMaxBandWidth 100kbps<br>1024: iMaxBandWidth 1024kbps much to 1024kbps | |
| | dt showPlayClipFile | playback file information | | | |
| | dt recorderSegExtraInfo | | | | |
| | dt showNetLinksInfo | network connection information | | | |
| | dt showAlarmInfo | display alarm information of the channel | | | |
| | dt ShowIpcAbility | display IPC ability information | | | |
| | dt ShowPoeInfo | print POE relevant information | | | |
| | dt ShowPwdSyncInfo | print password synchronous information | | | |
| | dt ss | | | | |
| | dt setCivilLbs | set Hik-Connect server | setCivilLbs [domain]:[port] | [domain]:[port]: domain: port | |
| | dt setCivilAlarm | set Hik-Connect alarm server | setCivilAlarm [domain]:[port] | [domain]:[port]: domain: port | |
| | dt getCivilStatus | get Hik-Connect server parameter | | | |
| | dt turnOffCivil | close the Hik-Connect RTSP session | | | |
| | dt setCivilDebugLevel | output the print information of Hik-connect to the device serial port | setCivilDebugLevel [level] | [level]: print level | |
| | dt showSipSession | print international SIP session information | | | |
| | dt setDbgLevel | set test and print priority of the international SIP library | dt setDbgLevel [level] | level: print level | |
| | dt showAlarmGuidInfo | print connection information of SDK Server | | | |
| | dt showSdkIPIDInfo | view sdk ipid information | | | |
| | dt showSdkIpArmIOInfo | get sdk ipid -armio information | | | |
| | dt flushSdkIPIDInfo | refresh sdk ipid information | | | |
| | dt showSessionUserInfo | get isapi session login user information | | | |
| | dt checkProSockfdInfo | get sock number of a process to show the fd number existed and tested by netstat | | | |
| | dt showNetIotmInfo | display the relevant network information of the IoT module | | | |
| | dt setVoIpcStreamNo | set relevant parameter of IPC stream | setVoIpcStreamNo vochan ipcNo streamNo | vochan: output channel<br>ipcNo: /ipc number<br>streamNo: main/sub-stream type | |
| | dt showWHSession | display relevant WH session information | | | |
| | dt showDevCapa | output device capability information | | | |
| | dt showChanCapa | get channel capability | | | |
| | dt enablePID | | | | |
| | dt cfg_debug | This command is controlled by compiling macro CFG_DEBUG. | | | |

| | | | | | |
|---|---|---|---|---|---|
| | dt testipc | This command is used for IPC connection test, and the IP address is fixed while testing. | | | |
| | dt ipchanStatus | search channel status | | | |
| | dt signalModeSetCmd | set dvr relevant parameter | | | |
| | dt ctrlArchDebug | control print of the adapter layer | dt ctrlArchDebug bGetInfo iFun [iSubFun] [iParam1] [iParam2] | bGetInfo: debug switch<br>iFun: function module<br>[iSubFun]: sub-module<br>parameter 1 [iParam2]<br>[iParam2] : parameter 2 | |
| | dt snapstaus | output channel capture information | | | |
| | dt anasnapstaus | capture status of ana | | | |
| | dt adjGuardLevel | set channel alarm level | dt adjGuardLevel ChanNo Level | ChanNo: channel<br>Level: level [1,2,3] | |
| | dt setDetectAbnormal | set parameter | dt setDetectAbnormal status | status: status vaule [0,1] | |
| | dt getDetectAbnormal | get parameter | | | |
| | dt iptables | linux iptables service (parameter refers to busybox document) | | | |
| | dt ip | IP parameter debugging | ip [ OPTIONS ] OBJECT { COMMAND \| help }<br>ip [ -force ] [-batch filename | OBJECT := { link \| addr \| route \| rule \| neigh \| ntable \| tunnel \| maddr \| mroute \| monitor \| xfrm }<br>OPTIONS := { -V[ersion] \| -s[tatistics] \| -d[etails] \| -r[esolve] \| -f[amily] { inet \| inet6 \| ipx \| dnet \| link } \| -o[neline] \| -t[imestamp] } | |
| | dt disableBeep | disable buzzer | | | |
| | dt GetDevMemInfo | get device memory information | | | |
| | dt npqdebug | print memory information of NPQ | | | |
| | dt npqpb | test interface of NPQ | dt npqpb id | id(session id) | |
| | dt npqpbspeed | speed set of NPQ | dt npqpbspeed id speed | id(session id)<br>speed: speed | |
| | dt npqprev | device encoding parameter of NPQ | dt npqprev id | id(session id) | |
| | dt npqpbwor | parameter information preview of NPQ | dt npqpbwor id | id(session id) | |
| | dt printTaskStatus | thread information | | | |
| | dt signModeSet | | | | |
| | dt adjustDevDecodeSetCmd | adjust device encoding code | dt adjustDevDecodeSetCmd setVoutIdx | setVoutIdx: inddex vaule | |
| | dt getWriteParam | number statistics of flash write | | | |
| | dt openCoaxialPrintfInfoCmd | One parameter is necessary when setting relevant coaxial print information, otherwise it will lead to restart. | dt openCoaxialPrintfInfoCmd status | status: status vaule [0,1] | |
| | dt setPocTest | POC test | | | |
| | dt setPocNegaVoltage | set POC voltage | | | |
| | dt controlAntiChanging | | | | |
| | dt signFast | | | | |
| | dt searchInfo | local search for the event information | | | |
| | dt cloudModeChange | get cloud storage status, on or off | | | |
| | dt accessDvrSwitch | set whether to access DVR | | | |
| | dt enableHik264 | enable Hik264 | | | |
| | dt disableHik264 | disable Hik264 | | | |
| | dt getLastErrorInfo | Return to the latest one or several pieces of error information with the form of character strings. Save all the error information through saveErrorno interface. | | | |
| | dt showSpareWorkStatus | print configuration and status information of hot spare master | | | |
| | dt guiEnterMenuCount | display the number of menu operation of the specific output port | dt guiEnterMenuCount iNum | iNum: number | |
| | dt channelPlayback | all-day playback of the current output port (applicable to t1 test and in preview interface only) | | | |
| | dt showDeviceTemp | get device chip temperature | | | |
| | dt sataLedTest | HDD LED configuration | | | |
| | dt sendCoaxialTranscmd | Hikvision coaxial command | | | |
| | dt closeCoaxTest | close T1 coaxial cable test | | | |
| | dt switchAd | speed up the output of pictures | | | |
| | dt openLocalAudio | open local audio | | | |
| | dt showIpcAddr | get information of the IP channel | | | |
| | dt GetAnrRecordList | print task linked list information of ANR | | | |
| | dt GetAnrProcess | print video process information of ANR | | | |
| | dt GetAnrCfgInfo | print time period information of ANR | | | |
| | dt getARPtable | get device network information of the unified LAN | | | |

| | | | | | |
|---|---|---|---|---|---|
| | dt getNetstatus | get network status | dt getNetstatus [ NETTYPE ]:[ IPVER ]:[ CHECKOPT ] | NETTYPE: NIC name<br>IPVER: ipv4 or ipv6<br>CHECKOPT: layer type | getNetstatus eth0:1:2 |
| | dt startPCAP | packet capture | dt startPCAP [ IFNAME ]:[ FILENAME ] | IFNAME: NIC<br>filename: capture file (fill in absolute path) | startPCAP eth0:/mnt/msb1 |
| | dt setMtu | set MTU parameter of devices | | nictyp: NIC name<br>value: MTU vaule | |
| | dt i2cWrite | dsp i2c write | | | |
| | dt i2cRead | dsp i2c read | | | |
| | dt showIsapiStorPicTokenInfo | view relevant token resources uploaded from picture (controlled by compiling macro) | | | |
| | dt freeIsapiStorPicToken | free relevant token resources uploaded from picture | dt freeIsapiStorPicToken id | id: picture resources index | |
| | dt setVoutIdx | set vout parameter index | dt setVoutIdx idx | idx: index vaule【Range [0,3]】 | |
| | dt setSignalDetectMode | set signal detect mode of TVI AD chip | | | |
| | dt triggerIot | This command is used for IOT debugging to trigger IOT event through command | dt triggerIot Chan DevType EvtType | Chan: channel number<br>DevType: device type<br>EvtType: event type | |
| | dt lsIptablesRules | view iptablse current rule | | | |
| | dt showNetIpcmInfo | current IPC connection information | showNetIpcmInfo -Onvif Base set sub-stream event alarm<br>showNetIpcmInfo -Onvif Pull set sub-stream event subscription<br>showNetIpcmInfo -Onvif Media2Open enable media 2.0<br>showNetIpcmInfo -Onvif Media2Close disable media 2.0<br>showNetIpcmInfo -Onvif MjpegOpen enable mjpeg stream<br>showNetIpcmInfo -Onvif MjpegClose disable mjpeg stream<br>showNetIpcmInfo -Onvif RtspHttpOpen enable defalut rtsp over http<br>showNetIpcmInfo -Onvif RtspHttpClose disable defalut rtsp over http<br>showNetIpcmInfo ChanNo<br>view the stream information of the corresponding channel<br>showNetIpcmInfo -pool<br>print port command of the dynamic buffer index table<br>showNetIpcmInfo -stream stream<br>print port command of the information port<br>showNetIpcmInfo --stream ChanNo StreamNo Mode channel stream mode | | |
| | bin/ash | | | | |
| | bin/do_update | upgrade through the kernel after entering the device console | | | |
| | bin/himm | set address parameter as value | | | |
| | bin/mount | mount the partition under the Linux folder | | | |
| | bin/sleep | delay the current action for some time | | | |
| | bin/mpstat | real-time system monitor tool to report some satistics to CPU | | | |
| | bin/ssp_read | read spi register | | | |
| | bin/i2c_read | read register of the device mounted on the i2c thread | | | |
| | bin/mv | move file or change file name | | | |
| | bin/ssp_write | write spi register | | | |
| | bin/cat | view file content | | | |
| | bin/gzip | compress the file with form as .gz | | | |
| | bin/i2c_recv | standard i2c reception data | | | |
| | bin/netstat | check the monitoring status of the current network interface | | | |
| | bin/stty | set tty to examine and modify the telecommunication parameter of the terminal registered currently | | | |
| | bin/chmod | modify file permission command | | | |
| | bin/hiddrs | ddr statistic | | | |
| | bin/i2c_send | standard i2c sending data | | | |
| | bin/pidof | used for searching for the process ID number of the specific process with specific name | | | |
| | bin/su | switch a normal user into super user or other user | | | |
| | bin/cp | copy file | | | |
| | bin/hier | | | | |
| | bin/i2c_write | write data to register of the device mounted on the i2c thread | | | |
| | bin/ping | network detection through ICMP protocol to test network master device communication | | | |
| | bin/tar | decompress or compress file | | | |
| | bin/hiew | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | bin/kill | kill one process | | | |
| | bin/dd | specify the size of the data when copying data | | | |
| | bin/himc | start from address, set the number of the byte length as vaule | | | |
| | bin/ln | create a synchronous link to the same file to another location | | | |
| | bin/ps | list out the ongoing process of the system | | | |
| | bin/umount | umount segement | | | |
| | bin/himd | start from address, print the number of the byte length in big endian | | | |
| | bin/login | log in the system | | | |
| | bin/df | display the disk usage statistics of file systems currently in the Linux system | | | |
| | bin/himd.l | start from address, print the number of the byte length in small endian | | | |
| | bin/himii.r | read mii register | | | |
| | bin/mkdir | create a new file | | | |
| | bin/rm | delete the file | | | |
| | bin/dnsdomainname | define the domain name of FQDN in the DNS system | | | |
| | bin/himii.w | write mii register | | | |
| | bin/mknod | create a new device file | | | |
| | bin/sh | executing sh script | | | |
| | sbin/arp | display and modify the content of the buffer table of the address parsing protocol , which contains IP address and NIC address | | | |
| | sbin/getty | set terminal mode, link speed and control circuit | | | |
| | sbin/halt | If runlevel of the system is 0 or 6, this command will end the system, or shutdown command (plus -h) will be replaced. | | | |
| | sbin/hwclock | display and set the hardware clock | | | |
| | sbin/ifconfig | view and temporary modify the address command | | | |
| | sbin/insmod | install a ko drive | | | |
| | sbin/lsmod | display all the installed drives | | | |
| | sbin/poweroff | shut down the system | | | |
| | sbin/reboot | restart the device | | | |
| | sbin/rmmod | uninstall a ko drive | | | |
| | sbin/route | view the Route table | | | |
| | usr/basename | delete sufflix out of pathname or string | | | |
| | usr/dirname | get the absolute path of the current script file from the shell script | | | |
| | usr/find | find file | | | |
| | usr/killall | killall command kill a process with the process name | | | |
| | usr/du | check the storage size of the directory or file in the disk | | | |
| | usr/free | check the actual memory space | | | |
| | usr/lzcat | display the cotent of the file in the package | | | |
| | usr/timeout | control the operating time of the program | | | |
| | usr/id | display the IDs of the user and the group that the users belong to | | | |
| | usr/mesg | set the write permission of the terminal | | | |
| | usr/top | display real-time status of the process | | | |
| | usr/renice | inprove the priority of a process | | | |
| | usr/boota7 | initiate the A7 file | | | |
| | usr/shmtty | redirect the content of cascading CPU to the main CPU | | | |
| | usr/booter | initiate through the cascading CPU application in the main CPU | | | |
| | showlogo | display the logo under the home/app directory | | | |
| | psh | enter psh from the root file system | | | |
| | dropbear | initiate the ssh service | | | |
| | dropbearkey | generate server key | | | |
| | debug | generate psh feature code | | | |
| | /bin/ls | display the file name under the file | | | |
| | /bin/ping6 | detect the system whether support ipv6 | | | |
| | /bin/sync | used for data sychronization, write the information of the buffer into the HDD | | | |
| | /bin/busybox | command toolkit | | | |
| | /bin/echo | enable or disable display function | | | |
| | /bin/false | false command can end with a status code, which represents failure | | | |

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| | /bin/pwd | display the current absolute path | | | |
| | /bin/touch | This command is to upgrade the time label of the existing file (default way) for one hand, and the data will be kept intact; and to create the new empty file for another. | | | |
| | /bin/gunzip | used for extracting the package compress by gzip | | | |
| | /bin/TRUE | set the exit code as 0 | | | |
| | /bin/sed | This command handles the text file by script. This command can handle and edit text file according to the script command. | | | |
| | /bin/date | This command can display or set the date and time of the system. | | | |
| | /bin/hostname | view and modify the server name | | | |
| | /bin/vi | Vi editor is the standard editor of all the Unix system and Linux system. | | | |
| | /bin/dmesg | display the system control information of the kernel buffer | | | |
| | /sbin/iproute | configurate the command set of the linux network | | | |
| | /sbin/fdisk | a procedure that creates and maintains the partition table, which contains DOS-type partition table, BSD- or SUN-type disk list | | | |
| | /sbin/hdparm | used for dispalying and setting HDD parameter | | | |
| | /sbin/udevadm | control the operating behavior of udev, handle kernel events, control event queue, and provide a simple debugging mechanism | | | |
| | /sbin/mkfs.vfat | U drive or initiating partition need use this command to format as fat partition | | | |
| | /sbin/udevd | generate device file under the dev directory according to some certain rules | | | |
| | /usr/bin/arecord | L option can be used to list the device name. User can select corresponding device to play or collect recorded audio | | | |
| | /usr/bin/telnet | used for remote login | | | |
| | /usr/bin/udpsvd | tftpd server configurate | | | |
| | /usr/bin/awk | a powerful text analysis tool | | | |
| | /usr/bin/test | This command is used for examining whether condition is satisfied, and it can conduct test about number,character and file. | | | |
| | /usr/bin/unlzma | decompressing tool | | | |
| | /usr/bin/hexdump | checking tool for binary file under the Linux system | | | |
| | /usr/bin/reset | set the status of the terminal | | | |
| | /usr/bin/time | used for measuring time and system resources when executing command | | | |
| | /usr/bin/unzip | an extracting procedure that unzips the compressing file | | | |
| | /usr/bin/alsactl | manage the parameter configuration of the sound card | | | |
| | /usr/bin/diff | used for comparing the diffferent files | | | |
| | /usr/bin/seq | used for setting incremental from the first number to the last one | | | |
| | /usr/bin/which | used for searching for file | | | |
| | /usr/bin/amixer | used for setting audio port under the linux | | | |
| | /usr/bin/sort | sort the content of the text files.Sort can rank the content of the text file by line. | | | |
| | /usr/bin/aplay | Sound recorder and player of the command line are the drive procedure of the ALSA sound card | | | |
| | /usr/bin/tcpsvd | set TCP socket and bind it to an IP and port, or bind it to a procedure | | | |
| | /usr/bin/tty | used for displaying the file name of the standard input device that connects the terminal | | | |
| | /usr/bin/ResetTX1 | reset tx1 | | | |
| | /usr/sbin/brctl | Linux bridge configuration command | | | |
| | /usr/sbin/i2cdetect | used for enumerating I2C bus and all the devices of it | | | |
| | /usr/sbin/in.tftpd | set tftp server configuration | | | |
| | /usr/sbin/lspci | used for viewing all the PCI bus and the devices connected to the bus | | | |

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| | /usr/sbin/ssh | remote login visit | | | |
| | /usr/sbin/ded | encrypt and decode command | | | |
| | /usr/sbin/i2cdump | display all the register vaule of the device | | | |
| | /usr/sbin/iostat | output the satistics of the CPU and disk I /O | | | |
| | /usr/sbin/perf | a tool used for software performance anlysis | | | |
| | /usr/sbin/strace | used for tracking for the signal that system calls and receives when executing process | | | |
| | /usr/sbin/ftpd | set up ftp server | | | |
| | /usr/sbin/i2cget | get the register value of the I2C device | | | |
| | /usr/sbin/ldconfig | ldconfig is a DLL management command to coshare DLL for the system. | | | |
| | /usr/sbin/tftpd | network server package | | | |
| | /usr/sbin/hrsaverify | | | | |
| | /usr/sbin/i2cset | write to the register of the i2c device | | | |
| | /usr/sbin/setpci | search and configurate the using tool of the PCI device | | | |
| | dspStatus | port debugging information output | | | |
| | lspci | modify PCIE device and configuration space | | | |
| | i2cset | used for setting I2C device register | | | |
| | alsactl | change the NIC parameter | | | |
| | hdparam | change the disk parameter and attribute | | | |
| | tcpsvd | enable the tcp service port | | | |
| | dspdump | DSP dump information | | | |
| | dspdecodestatus | DSP decode | | | |
| | dsplog | print setting of the DSP log | | | |
| | getDspInfo | set the DSP print level of all module port | | | |
| | setDspDebugInfo | set the DSP print level of all module port | | | |
| | dspStoreStat | set the channel DSP decoding status | chan: channel number, errno: decoding channel status code | | |