DAHUA-SNMP-MIB

File: [DAHUA-SNMP-MIB.mib](#) (51563 bytes)

Imported modules

[SNMPv2-TC](#)	[SNMPv2-SMI](#)	

Imported symbols

[TEXTUAL-CONVENTION](#)	[DisplayString](#)	[TruthValue](#)
[RowStatus](#)	[OBJECT-TYPE](#)	[NOTIFICATION-TYPE](#)
[MODULE-IDENTITY](#)	[Integer32](#)	[Opaque](#)
[enterprises](#)	[TimeTicks](#)	[IpAddress](#)

Defined Types

[RegularStreamInfoTableEntry](#)

SEQUENCE			
	regularChannelNo	INTEGER	
	regularCompression	[DisplayString](#)	
	regularFPS	INTEGER	
	regularResolution	[DisplayString](#)	

[MdStreamInfoTableEntry](#)

SEQUENCE			
	mdChannelNo	INTEGER	
	mdCompression	[DisplayString](#)	
	mdFPS	INTEGER	
	mdResolution	[DisplayString](#)	

[AlarmStreamInfoTableEntry](#)

SEQUENCE			
	alarmChannelNo	INTEGER	
	alarmCompression	[DisplayString](#)	
	alarmFPS	INTEGER	
	alarmResolution	[DisplayString](#)	

[Extra1StreamInfoEntry](#)

SEQUENCE			
	extra1ChannelNo	INTEGER	

	extra1Compression	DisplayString	
	extra1FPS	INTEGER	
	extra1Resolution	DisplayString	

VideoMotionInfoEntry

| SEQUENCE | | | |
| | videoMotionIndex | INTEGER | |

VideoLossInfoEntry

| SEQUENCE | | | |
| | videoLossIndex | INTEGER | |

VideoBlindInfoEntry

| SEQUENCE | | | |
| | videoBlindIndex | INTEGER | |

LocalAlarmInfoEntry

| SEQUENCE | | | |
| | localAlarmIndex | INTEGER | |

NetworkAlarmInfoEntry

| SEQUENCE | | | |
| | networkAlarmIndex | INTEGER | |

RecordMainStreamInfoEntry

| SEQUENCE | | | |
| | recordMainChannelIndex | INTEGER | |

PhysicalVolumeInfoEntry

SEQUENCE			
	physicalVolumeIndex	INTEGER	
	physicNo	INTEGER	
	logicNo	INTEGER	
	physicalVolumeName	DisplayString	
	physicalVolumeStatus	DisplayString	

Defined Values

device	1.3.6.1.4.1.1004849.2		
add OID: recordConfig , recordPlanInfo , recordMainStreamInfoTable, recordExtraStreamInfoTable, physicalVolumeTotal, physicalVolumeFree, recordEvent, recordMainStreamEvent, recordExtraStreamEvent, snmpStatusEvent, snmpStatus, physicalVolumeThreshold			
MODULE-IDENTITY			

org	1.3		
OBJECT IDENTIFIER			

dod	1.3.6	
OBJECT IDENTIFIER		

internet	1.3.6.1	
OBJECT IDENTIFIER		

private	1.3.6.1.4	
OBJECT IDENTIFIER		

enterprises	1.3.6.1.4.1	
OBJECT IDENTIFIER		

dahua	1.3.6.1.4.1.1004849	
OBJECT IDENTIFIER		

systemInfo	1.3.6.1.4.1.1004849.2.1	
OBJECT IDENTIFIER		

versionInfo	1.3.6.1.4.1.1004849.2.1.1	
OBJECT IDENTIFIER		

productInfo	1.3.6.1.4.1.1004849.2.1.2	
OBJECT IDENTIFIER		

networkInfo	1.3.6.1.4.1.1004849.2.2	
OBJECT IDENTIFIER		

networkPort	1.3.6.1.4.1.1004849.2.2.1	
OBJECT IDENTIFIER		

tcpIpInfo	1.3.6.1.4.1.1004849.2.2.2	
OBJECT IDENTIFIER		

configInfo	1.3.6.1.4.1.1004849.2.3	
OBJECT IDENTIFIER		

encodeConfig	1.3.6.1.4.1.1004849.2.3.1	
OBJECT IDENTIFIER		

eventConfig	1.3.6.1.4.1.1004849.2.3.2	
OBJECT IDENTIFIER		

videoDetectConfig	1.3.6.1.4.1.1004849.2.3.2.1	

OBJECT IDENTIFIER			

alarmConfig		1.3.6.1.4.1.1004849.2.3.2.2	
OBJECT IDENTIFIER			

exceptionConfig		1.3.6.1.4.1.1004849.2.3.2.3	
OBJECT IDENTIFIER			

recordConfig		1.3.6.1.4.1.1004849.2.3.3	
OBJECT IDENTIFIER			

recordPlanInfo		1.3.6.1.4.1.1004849.2.3.3.1	
OBJECT IDENTIFIER			

storageInfo		1.3.6.1.4.1.1004849.2.4	
OBJECT IDENTIFIER			

products		1.3.6.1.4.1.1004849.2.10	
OBJECT IDENTIFIER			

dvr		1.3.6.1.4.1.1004849.2.10.1	
OBJECT IDENTIFIER			

nvr		1.3.6.1.4.1.1004849.2.10.2	
OBJECT IDENTIFIER			

ipc		1.3.6.1.4.1.1004849.2.10.3	
OBJECT IDENTIFIER			

notification		1.3.6.1.4.1.1004849.2.11	
OBJECT IDENTIFIER			

multiMediaEvent		1.3.6.1.4.1.1004849.2.11.11	
OBJECT IDENTIFIER			

alarmEvent		1.3.6.1.4.1.1004849.2.11.12	
OBJECT IDENTIFIER			

storageEvent		1.3.6.1.4.1.1004849.2.11.13	
OBJECT IDENTIFIER			

recordEvent		1.3.6.1.4.1.1004849.2.11.14	
OBJECT IDENTIFIER			

dahuaSnmpTrap	1.3.6.1.4.1.1004849.2.12		
OBJECT IDENTIFIER			

softwareRevision	1.3.6.1.4.1.1004849.2.1.1.1		
The software version			
OBJECT-TYPE			
	DisplayString		

hardwareRevision	1.3.6.1.4.1.1004849.2.1.1.2		
The hardware version			
OBJECT-TYPE			
	DisplayString		

videoChannel	1.3.6.1.4.1.1004849.2.1.2.1		
The number of video channel.			
OBJECT-TYPE			
	INTEGER		

alarmInput	1.3.6.1.4.1.1004849.2.1.2.2		
The number of alarm input.			
OBJECT-TYPE			
	INTEGER		

alarmOutput	1.3.6.1.4.1.1004849.2.1.2.3		
The number of alarm output.			
OBJECT-TYPE			
	INTEGER		

serialNumber	1.3.6.1.4.1.1004849.2.1.2.4		
The device serial number.			
OBJECT-TYPE			
	DisplayString		

systemVersion	1.3.6.1.4.1.1004849.2.1.2.5		
The system Version of device.			
OBJECT-TYPE			
	DisplayString		

deviceType	1.3.6.1.4.1.1004849.2.1.2.6		
The device mode.			
OBJECT-TYPE			
	DisplayString		

deviceClass	1.3.6.1.4.1.1004849.2.1.2.7		
The device class.			

OBJECT-TYPE			
	DisplayString		

deviceStatus		1.3.6.1.4.1.1004849.2.1.2.8	
Status of device is bad(0) or good(1).			
OBJECT-TYPE			
	INTEGER	bad(0), good(1)	

machineName		1.3.6.1.4.1.1004849.2.1.2.9	
The name of the device.			
OBJECT-TYPE			
	DisplayString		

cpuUsage		1.3.6.1.4.1.1004849.2.1.3	
Usage of the CPU.			
OBJECT-TYPE			
	INTEGER		

lastestEvent		1.3.6.1.4.1.1004849.2.1.4	
The type of the lastest event.			
OBJECT-TYPE			
	DisplayString		

encodeNo		1.3.6.1.4.1.1004849.2.1.5	
The number of encode channels which are available.			
OBJECT-TYPE			
	INTEGER		

tcpPort		1.3.6.1.4.1.1004849.2.2.1.1	
TCP port.			
OBJECT-TYPE			
	INTEGER		

udpPort		1.3.6.1.4.1.1004849.2.2.1.2	
UDP port.			
OBJECT-TYPE			
	INTEGER		

httpPort		1.3.6.1.4.1.1004849.2.2.1.3	
HTTP port.			
OBJECT-TYPE			
	INTEGER		

rtspPort		1.3.6.1.4.1.1004849.2.2.1.4	
RTSP port.			

OBJECT-TYPE			
	INTEGER		

maxConnectNum		1.3.6.1.4.1.1004849.2.2.1.5	
The number of max connect.			
OBJECT-TYPE			
	INTEGER		

httpsPort		1.3.6.1.4.1.1004849.2.2.1.6	
HTTPS port.			
OBJECT-TYPE			
	INTEGER		

getIpmode		1.3.6.1.4.1.1004849.2.2.2.1	
The mode of getting IP, value: 0=static, 1=DHCP.			
OBJECT-TYPE			
	INTEGER	static(0), dhcp(1)	

macAddr		1.3.6.1.4.1.1004849.2.2.2.2	
The address of MAC.			
OBJECT-TYPE			
	DisplayString		

ipVersion		1.3.6.1.4.1.1004849.2.2.2.3	
The version of IP, value: 0=IPv4, 1=IPv6.			
OBJECT-TYPE			
	INTEGER	ipv4(0), ipv6(1)	

subnetMast		1.3.6.1.4.1.1004849.2.2.2.4	
The infomation of subnet mast.			
OBJECT-TYPE			
	DisplayString		

defaultGateway		1.3.6.1.4.1.1004849.2.2.2.5	
The infomation of default gateway.			
OBJECT-TYPE			
	DisplayString		

preferredDns		1.3.6.1.4.1.1004849.2.2.2.6	
The infomation of the preferred DNS service address.			
OBJECT-TYPE			
	DisplayString		

alternateDns		1.3.6.1.4.1.1004849.2.2.2.7	
The infomation of the alternate DNS service address.			

OBJECT-TYPE			
	DisplayString		

ipAddr	1.3.6.1.4.1.1004849.2.2.2.8

The address of IP.

OBJECT-TYPE			
	DisplayString		

mainStreamInfo	1.3.6.1.4.1.1004849.2.3.1.1

OBJECT IDENTIFIER			

extraStreamInfo	1.3.6.1.4.1.1004849.2.3.1.2

OBJECT IDENTIFIER			

regularStreamInfoTable	1.3.6.1.4.1.1004849.2.3.1.1.1

infomation of the main stream channel

OBJECT-TYPE			
	SEQUENCE OF		
		RegularStreamInfoTableEntry	

regularStreamInfoTableEntry	1.3.6.1.4.1.1004849.2.3.1.1.1.1

infomation of the main stream channel list

OBJECT-TYPE			
	RegularStreamInfoTableEntry		

regularChannelNo	1.3.6.1.4.1.1004849.2.3.1.1.1.1.1

The number of main channel.

OBJECT-TYPE			
	INTEGER		

regularCompression	1.3.6.1.4.1.1004849.2.3.1.1.1.1.2

The compression mode of the main channel which stream-type is the regular.

OBJECT-TYPE			
	DisplayString		

regularFPS	1.3.6.1.4.1.1004849.2.3.1.1.1.1.3

compression mode of the main channel which stream-type is the move-detection

OBJECT-TYPE			
	INTEGER		

regularResolution	1.3.6.1.4.1.1004849.2.3.1.1.1.1.4

compression mode of the main channel which stream-type is the alarm

OBJECT-TYPE			
	DisplayString		

mdStreamInfoTable — 1.3.6.1.4.1.1004849.2.3.1.1.2

infomation of the main stream channel

OBJECT-TYPE			
	SEQUENCE OF		
		MdStreamInfoTableEntry	

mdStreamInfoTableEntry — 1.3.6.1.4.1.1004849.2.3.1.1.2.1

infomation of the main stream channel list

OBJECT-TYPE			
	MdStreamInfoTableEntry		

mdChannelNo — 1.3.6.1.4.1.1004849.2.3.1.1.2.1.1

The number of main channel.

OBJECT-TYPE			
	INTEGER		

mdCompression — 1.3.6.1.4.1.1004849.2.3.1.1.2.1.2

The compression mode of the main channel which stream-type is the regular.

OBJECT-TYPE			
	DisplayString		

mdFPS — 1.3.6.1.4.1.1004849.2.3.1.1.2.1.3

compression mode of the main channel which stream-type is the move-detection

OBJECT-TYPE			
	INTEGER		

mdResolution — 1.3.6.1.4.1.1004849.2.3.1.1.2.1.4

compression mode of the main channel which stream-type is the alarm

OBJECT-TYPE			
	DisplayString		

alarmStreamInfoTable — 1.3.6.1.4.1.1004849.2.3.1.1.3

infomation of the main stream channel

OBJECT-TYPE			
	SEQUENCE OF		
		AlarmStreamInfoTableEntry	

alarmStreamInfoTableEntry — 1.3.6.1.4.1.1004849.2.3.1.1.3.1

infomation of the main stream channel list

OBJECT-TYPE			
	AlarmStreamInfoTableEntry		

alarmChannelNo — 1.3.6.1.4.1.1004849.2.3.1.1.3.1.1

The number of main channel.

OBJECT-TYPE			

	INTEGER		

[alarmCompression](#)	1.3.6.1.4.1.1004849.2.3.1.1.3.1.2		
The compression mode of the main channel which stream-type is the regular.			
OBJECT-TYPE			
	[DisplayString](#)		

[alarmFPS](#)	1.3.6.1.4.1.1004849.2.3.1.1.3.1.3		
compression mode of the main channel which stream-type is the move-detection			
OBJECT-TYPE			
	INTEGER		

[alarmResolution](#)	1.3.6.1.4.1.1004849.2.3.1.1.3.1.4		
compression mode of the main channel which stream-type is the alarm			
OBJECT-TYPE			
	[DisplayString](#)		

[extra1StreamInfoTable](#)	1.3.6.1.4.1.1004849.2.3.1.2.1		
infomation of the extra stream channel			
OBJECT-TYPE			
	SEQUENCE OF		
	[Extra1StreamInfoEntry](#)		

[extra1StreamInfoEntry](#)	1.3.6.1.4.1.1004849.2.3.1.2.1.1		
infomation of the main stream channel list			
OBJECT-TYPE			
	[Extra1StreamInfoEntry](#)		

[extra1ChannelNo](#)	1.3.6.1.4.1.1004849.2.3.1.2.1.1.1		
extra channel number			
OBJECT-TYPE			
	INTEGER		

[extra1Compression](#)	1.3.6.1.4.1.1004849.2.3.1.2.1.1.2		
compression mode of the extra channel which stream-type is the first-extra			
OBJECT-TYPE			
	[DisplayString](#)		

[extra1FPS](#)	1.3.6.1.4.1.1004849.2.3.1.2.1.1.3		
FPS of the extra channel which stream-type is the first-extra			
OBJECT-TYPE			
	INTEGER		

[extra1Resolution](#)	1.3.6.1.4.1.1004849.2.3.1.2.1.1.4		
resolution type of the extra channel which stream-type is the first-extra			

OBJECT-TYPE			
	DisplayString		

videoMotionInfoTable	1.3.6.1.4.1.1004849.2.3.2.1.1
infomation of the extra stream channel	

OBJECT-TYPE			
	SEQUENCE OF		
	VideoMotionInfoEntry		

videoMotionInfoEntry	1.3.6.1.4.1.1004849.2.3.2.1.1.1
infomation of the main stream channel list	

OBJECT-TYPE			
VideoMotionInfoEntry			

videoMotionIndex	1.3.6.1.4.1.1004849.2.3.2.1.1.1.1
Tok_String	

OBJECT-TYPE			
INTEGER			

videoLossInfoTable	1.3.6.1.4.1.1004849.2.3.2.1.2
infomation of the extra stream channel	

OBJECT-TYPE			
	SEQUENCE OF		
	VideoLossInfoEntry		

videoLossInfoEntry	1.3.6.1.4.1.1004849.2.3.2.1.2.1
infomation of the main stream channel list	

OBJECT-TYPE			
	VideoLossInfoEntry		

videoLossIndex	1.3.6.1.4.1.1004849.2.3.2.1.2.1.1
Tok_String	

OBJECT-TYPE			
	INTEGER		

videoBlindInfoTable	1.3.6.1.4.1.1004849.2.3.2.1.3
infomation of the extra stream channel	

OBJECT-TYPE			
	SEQUENCE OF		
	VideoBlindInfoEntry		

videoBlindInfoEntry	1.3.6.1.4.1.1004849.2.3.2.1.3.1
infomation of the main stream channel list	

OBJECT-TYPE			
	VideoBlindInfoEntry		

videoBlindIndex		1.3.6.1.4.1.1004849.2.3.2.1.3.1.1	
Tok_String			
OBJECT-TYPE			
	INTEGER		

localAlarmInfoTable		1.3.6.1.4.1.1004849.2.3.2.2.1	
infomation of the extra stream channel			
OBJECT-TYPE			
	SEQUENCE OF		
		LocalAlarmInfoEntry	

localAlarmInfoEntry		1.3.6.1.4.1.1004849.2.3.2.2.1.1	
infomation of the main stream channel list			
OBJECT-TYPE			
	LocalAlarmInfoEntry		

localAlarmIndex		1.3.6.1.4.1.1004849.2.3.2.2.1.1.1	
Tok_String			
OBJECT-TYPE			
	INTEGER		

networkAlarmInfoTable		1.3.6.1.4.1.1004849.2.3.2.2.2	
infomation of the extra stream channel			
OBJECT-TYPE			
	SEQUENCE OF		
		NetworkAlarmInfoEntry	

networkAlarmInfoEntry		1.3.6.1.4.1.1004849.2.3.2.2.2.1	
infomation of the main stream channel list			
OBJECT-TYPE			
	NetworkAlarmInfoEntry		

networkAlarmIndex		1.3.6.1.4.1.1004849.2.3.2.2.2.1.1	
Tok_String			
OBJECT-TYPE			
	INTEGER		

recordMainStreamInfoTable		1.3.6.1.4.1.1004849.2.3.3.1.1	
infomation of the extra stream channel			
OBJECT-TYPE			
	SEQUENCE OF		
		RecordMainStreamInfoEntry	

recordMainStreamInfoEntry		1.3.6.1.4.1.1004849.2.3.3.1.1.1	
config infomation of the main stream record channel list			

OBJECT-TYPE			
	RecordMainStreamInfoEntry		

recordMainChannelIndex		1.3.6.1.4.1.1004849.2.3.3.1.1.1.1	
Tok_String			
OBJECT-TYPE			
	INTEGER		

physicalVolumeInfoTable		1.3.6.1.4.1.1004849.2.4.1	
infomation of the extra stream channel			
OBJECT-TYPE			
	SEQUENCE OF		
	PhysicalVolumeInfoEntry		

physicalVolumeInfoEntry		1.3.6.1.4.1.1004849.2.4.1.1	
infomation of the main stream channel list			
OBJECT-TYPE			
	PhysicalVolumeInfoEntry		

physicalVolumeIndex		1.3.6.1.4.1.1004849.2.4.1.1.1	
Tok_String			
OBJECT-TYPE			
	INTEGER		

physicNo		1.3.6.1.4.1.1004849.2.4.1.1.2	
Tok_String			
OBJECT-TYPE			
	INTEGER		

logicNo		1.3.6.1.4.1.1004849.2.4.1.1.3	
Tok_String			
OBJECT-TYPE			
	INTEGER		

physicalVolumeName		1.3.6.1.4.1.1004849.2.4.1.1.4	
Tok_String			
OBJECT-TYPE			
	DisplayString		

physicalVolumeStatus		1.3.6.1.4.1.1004849.2.4.1.1.5	
Tok_String			
OBJECT-TYPE			
	DisplayString		

snmpStatusEvent		1.3.6.1.4.1.1004849.2.11.2	

A snmp work status Event.

NOTIFICATION-TYPE			

videoMotionEvent	1.3.6.1.4.1.1004849.2.11.11.1
video motion Event.	

NOTIFICATION-TYPE			

videoBlindEvent	1.3.6.1.4.1.1004849.2.11.11.2
video motion Event.	

NOTIFICATION-TYPE			

videoLossEvent	1.3.6.1.4.1.1004849.2.11.11.3
video motion Event.	

NOTIFICATION-TYPE			

localAlarmEvent	1.3.6.1.4.1.1004849.2.11.12.1
video motion Event.	

NOTIFICATION-TYPE			

storageFailureEvent	1.3.6.1.4.1.1004849.2.11.13.1
storage failure Event.	

NOTIFICATION-TYPE			

storageLowSpaceEvent	1.3.6.1.4.1.1004849.2.11.13.2
storage full Event. if all storages are full, logicNo= 0 .	

NOTIFICATION-TYPE			

storageInOutEvent	1.3.6.1.4.1.1004849.2.11.13.3
storage in-out Event.	

NOTIFICATION-TYPE			

storageSMARTAbnormityEvent	1.3.6.1.4.1.1004849.2.11.13.4
storage SMART abnormity Event.	

NOTIFICATION-TYPE			

recordMainStreamEvent	1.3.6.1.4.1.1004849.2.11.14.1
record MainStream Event.	

NOTIFICATION-TYPE			

recordExtraStreamEvent	1.3.6.1.4.1.1004849.2.11.14.2
record ExtraStream Event.	

NOTIFICATION-TYPE			

action	1.3.6.1.4.1.1004849.2.12.1

trap info			
OBJECT-TYPE			
	DisplayString		

currentTime		1.3.6.1.4.1.1004849.2.12.2	
trap info			
OBJECT-TYPE			
	DisplayString		

snmpStatus		1.3.6.1.4.1.1004849.2.12.3	
Status of snmp is start(0) or stop(1).			
OBJECT-TYPE			
	INTEGER	start(0), stop(1)	

physicalVolumeThreshold		1.3.6.1.4.1.1004849.2.12.4	
Tok_String			
OBJECT-TYPE			
	INTEGER		

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