MPEG-4 AVC/H.264 IP Decoder

MVD5000

Specifications of SNMP

Rev 5.20

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Model: MVD5000

NTT Electronics Corporation

Digital Video Component Business Group

1. Supporting MIB Groups

Standard branches (MIB-II)

System Group{1.3.6.1.2.1.1}

Interfaces Group{1.3.6.1.2.1.2}

IP Group{1.3.6.1.2.1.4}

ICMP Group{1.3.6.1.2.1.5}

TCP Group{1.3.6.1.2.1.6}

UDP Group{1.3.6.1.2.1.7}

SNMP Group{1.3.6.1.2.1.11}

Private branches :

Extend-MIB: MVD5000

2. Protcol

SNMP v1, v2

3. Supporting PDU

GetRequest

GetNextRequest

SetRequest

GetResponse

GetBulkRequest

V1Trap

V2Trap

4. Community registration

   The registration of the community uses WebGUI. Refer to "MVD5000 Manual" for the details. Table 1 shows the community names registered as factory default.

Table 1 factory default setting

No	Community Name	Access
1	public	Read-Only
2	private	Read-Write

5. TRAP destination registration

The registration of the TRAP destination uses WebGUI or SNMP manager.   Table 2 shows how to register when using the SNMP manager.   Please refer to "MVD5000 Manual" for the registration from WebGUI.   The product shipped TRAP destination address is not registered.

Table 2 Registration method of the TRAP destination using the SNMP manager

Item	Explanation
Number of maximum registration	10
Registration method	Refer to the table of MIB of section 7 for object ID. Set TRAP destination address and set community name as needed.
Deletion method	Set TRAP destination address to "0.0.0.0".

6. MIB II

Table 3 is a MIB II table.

Table 3 MIB II table

TREE	Type	Mode	COMMENT
iso(1).org(3).dod(6).internet(1)			
mngmt(2)			
mib-2(1)			
system(1)			
sysDescr(1)	DisplayString	RO	Supported
sysObjectID (2)	Object IDENTIFIER	RO	Supported
sysUpTime(3)	TimeTicks	RO	Supported
sysContact(4)	DisplayString	RW	Supported
sysName(5)	DisplayString	RW	Supported
sysLocation(6)	DisplayString	RW	Supported
sysService(7)	Integer	RO	Supported
interface(2)			
ifNumber(1)	Integer	RO	Supported
ifTable(2)	sequence of	NA	
ifEntry(1)	sequence	NA	
ifIndex(1)	Integer	RO	Supported
ifDescr(2)	DisplayString	RO	Supported
ifType(3)	Integer	RO	Supported
ifMtu(4)	Integer	RO	Supported

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					ifSpeed(5)	GaugeInteger	RO	Supported
					ifPhysAddress(6)	PhysAddress	RO	Supported
					ifAdminStatus(7)	Integer	RO	Supported
					ifOperStatus(8)	Integer	RO	Supported
					ifLastChange(9)	TimeTicks	RO	Supported
					ifInOctets(10)	32BitCounter	RO	Supported *except for ppp
					ifInUcastPkts(11)	32BitCounter	RO	Supported *except for ppp
					ifInNUcastPkts(12)	32BitCounter	RO	Supported *except for ppp
					ifInDiscards(13)	32BitCounter	RO	Unsupported
					ifInErrors(14)	32BitCounter	RO	Unsupported
					ifInUnknownProtos(15)	32BitCounter	RO	Unsupported
					ifOutOctets(16)	32BitCounter	RO	Supported *except for ppp
					ifOutUcastPkts(17)	32BitCounter	RO	Supported *except for ppp
					ifOutNUcastPkts(18)	32BitCounter	RO	Supported *except for ppp
					ifOutDiscards(19)	32BitCounter	RO	Unsupported
					ifOutErrors(20)	32BitCounter	RO	Unsupported
					ifOutQLen(21)	GaugeInteger	RO	Unsupported
					ifSpecific(22)	ObjectIdentifier	RO	Supported
			ip(4)					
				ipForwarding(1)		Integer	RW	Supported
				ipDefaultTTL(2)		Integer	RW	Supported
				ipInReceives(3)		32BitCounter	RO	Supported
				ipInHdrErrors(4)		32BitCounter	RO	Unsupported
				ipInAddrErrors(5)		32BitCounter	RO	Unsupported
				ipForwDatagrams(6)		32BitCounter	RO	Unsupported
				ipInUnknownProtos(7)		32BitCounter	RO	Unsupported
				ipInDiscards(8)		32BitCounter	RO	Unsupported
				ipInDelivers(9)		32BitCounter	RO	Supported
				ipOutRequests(10)		32BitCounter	RO	Supported
				ipOutDiscards(11)		32BitCounter	RO	Unsupported
				ipOutNoRoutes(12)		32BitCounter	RO	Unsupported
				ipReasmTimeout(13)		Integer	RO	Unsupported

			ipReasmReqds(14)	32BitCounter	RO	Unsupported
			ipReasmOKs(15)	32BitCounter	RO	Unsupported
			ipReasmFails(16)	32BitCounter	RO	Unsupported
			ipFragOKs(17)	32BitCounter	RO	Unsupported
			ipFragFails(18)	32BitCounter	RO	Unsupported
			ipFragCreates(19)	32BitCounter	RO	Unsupported
			ipAddrTable(20)	sequence of	NA	
			ipAddrEntry(1)	sequence	NA	
			ipAdEntAddr(1)	IpAddress	RO	Supported
			ipAdEntIfIndex(2)	Integer	RO	Supported
			ipAdEntNetMask(3)	Integer	RO	Supported
			ipAdEntBcastAddr(4)	IpAddress	RO	Supported
			ipAdEntReasmMaxSize(5)	Integer	RO	Supported
			ipRouteTable(21)	sequence of	NA	Unsupported
			ipNetToMediaTable(22)	sequence of	NA	
			ipNetToMediaEntry(1)	sequence	NA	
			ipNetToMediaIfIndex(1)	Integer	RO	Supported
			ipNetToMediaPhys(2)	PhysAddress	RO	Supported
			ipNetToMediaNet(3)	IpAddress	RO	Supported
			ipNetToMediaType(4)	32BitCounter	RO	Supported
			ipRoutingDiscards(22)	32BitCounter	RO	Unsupported
		icmp(5)				
			icmpInMsgs(1)	32BitCounter	RO	Supported
			icmpInErrors(2)	32BitCounter	RO	Unsupported
			icmpInDestUnreachs(3)	32BitCounter	RO	Unsupported
			icmpInTimeExcds(4)	32BitCounter	RO	Unsupported
			icmpInParmProbs(5)	32BitCounter	RO	Unsupported
			icmpInSrcQuenchs(6)	32BitCounter	RO	Unsupported
			icmpInRedirects(7)	32BitCounter	RO	Unsupported
			icmpInEchos(8)	32BitCounter	RO	Supported
			icmpInEchoReps(9)	32BitCounter	RO	Supported
			icmpInTimestamps(10)	32BitCounter	RO	Unsupported
			icmpInTimestampReps(11)	32BitCounter	RO	Unsupported
			icmpInAddrMasks(12)	32BitCounter	RO	Unsupported
			icmpInAddrMaskReps(13)	32BitCounter	RO	Unsupported
			icmpOutMsgs(14)	32BitCounter	RO	Supported
			icmpOutErrors(15)	32BitCounter	RO	Unsupported
			icmpOutDestUnreachs(16)	32BitCounter	RO	Unsupported

			icmpOutTimeExcds(17)	32BitCounter	RO	Unsupported
			icmpOutParmProbs(18)	32BitCounter	RO	Unsupported
			icmpOutSrcQuenchs(19)	32BitCounter	RO	Unsupported
			icmpOutRedirects(20)	32BitCounter	RO	Unsupported
			icmpOutEchos(21)	32BitCounter	RO	Supported
			icmpOutEchoReps(22)	32BitCounter	RO	Supported
			icmpOutTimestamps(23)	32BitCounter	RO	Unsupported
			icmpOutTimestampReps(24)	32BitCounter	RO	Unsupported
			icmpOutAddrMasks(25)	32BitCounter	RO	Unsupported
			icmpOutAddrMask(26)	32BitCounter	RO	Unsupported
		tcp(6)				
			tcpRtoAlgorithm(1)	Integer	RO	Supported
			tcpRtoMin(2)	Integer	RO	Supported
			tcpRtoMax(3)	Integer	RO	Supported
			tcpMaxConn(4)	Integer	RO	Supported
			tcpActiveOpens(5)	32BitCounter	RO	Supported
			tcpPassiveOpens(6)	32BitCounter	RO	Supported
			tcpAttemptFails(7)	32BitCounter	RO	Unsupported
			tcpEstabResets(8)	32BitCounter	RO	Unsupported
			tcpCurrEstab(9)	GaugeInteger	RO	Unsupported
			tcpInSegs(10)	32BitCounter	RO	Supported
			tcpOutSegs(11)	32BitCounter	RO	Supported
			tcpRetransSegs(12)	32BitCounter	RO	Unsupported
			tcpConnTable(13)	sequence of	NA	Unsupported
			tcpInErrs(14)	32BitCounter	RO	Unsupported
			tcpOutRsts(15)	32BitCounter	RO	Unsupported
			tcpHCInSegs(17)	64BitCounter	RO	Supported
			tcpHCOutSegs(18)	64BitCounter	RO	Supported
			tcpConnectionTable(19)	sequence of	NA	
			tcpConnectionEntry(1)	sequence	NA	
				tcpConnectionLocalAddressType(1)	InetAddressType	RO	Supported
				tcpConnectionLocalAddress(2)	InetAddress	RO	Supported
				tcpConnectionLocalPort(3)	InetPortNumber	RO	Supported
				tcpConnectionRemAddressType(4)	InetAddressType	RO	Supported
				tcpConnectionRemAddress(5)	InetAddress	RO	Supported
				tcpConnectionRemPort(6)	InetPortNumber	RO	Supported
				tcpConnectionState(7)	Integer	RO	Supported
				tcpConnectionProcess(8)	32BitCounter	RO	Supported

			tcpListenerTable(20)	sequence of	NA	Unsupported
		udp(7)				
			udpInDatagrams(1)	32BitCounter	RO	Supported
			udpNoPorts(2)	32BitCounter	RO	Unsupported
			udpInErrors(3)	32BitCounter	RO	Unsupported
			udpOutDatagrams(4)	32BitCounter	RO	Supported
			udpTable(5)	sequence of	NA	Unsupported
			udpEndpointTable(7)	sequence of	NA	
			udpEndpointEntry(1)	sequence	NA	
			udpEndpointLocalAdressType(1)	InetAddressType	RO	Supported
			udpEndpointLocalAddress(2)	InetAddress	RO	Supported
			udpEndpointLocalPort(3)	InetPortNumber	RO	Supported
			udpEndpointRemoteAddressType(4)	InetAddressType	RO	Supported
			udpEndpointRemoteAddress(5)	InetAddress	RO	Supported
			udpEndpointRemotePort(6)	InetPortNumber	RO	Supported
			udpEndpointInstance(7)	32BitCounter	RO	Supported
			udpEndpointProcess(8)	32BitCounter	RO	Supported
			udpHCInDatagrams(8)	64BitCounter	RO	Supoorted
			udpHCOutDatagrams(9)	64BitCounter	RO	Supoorted
		snmp(11)				
			snmpInPkts(1)	32BitCounter	RO	Supported
			snmpOutPkts(2)	32BitCounter	RO	Supported
			snmpInBadVersions(3)	32BitCounter	RO	Supported
			snmpInBadCommunity(4)	32BitCounter	RO	Supported
			snmpInBadCommunityUses(5)	32BitCounter	RO	Supported
			snmpInASNParseErrs(6)	32BitCounter	RO	Unsupported
			snmpInTooBigs(8)	32BitCounter	RO	Unsupported
			snmpInNoSuchNames(9)	32BitCounter	RO	Unsupported
			snmpInBadValues(10)	32BitCounter	RO	Unsupported
			snmpInReadOnlys(11)	32BitCounter	RO	Unsupported
			snmpInGenErrs(12)	32BitCounter	RO	Unsupported
			snmpInTotalReqVars(13)	32BitCounter	RO	Supported
			snmpInTotalSetVars(14)	32BitCounter	RO	Supported
			snmpInGetRequests(15)	32BitCounter	RO	Supported
			snmpInGetNexts(16)	32BitCounter	RO	Supported
			snmpInSetRequests(17)	32BitCounter	RO	Supported
			snmpInGetResponses(18)	32BitCounter	RO	Supported
			snmpInTraps(19)	32BitCounter	RO	Unsupported

			snmpOutTooBigs(20)	32BitCounter	RO	Unsupported
			snmpOutNoSuchNames(21)	32BitCounter	RO	Supported
			snmpOutBadValues(22)	32BitCounter	RO	Supported
			snmpOutGenErrs(24)	32BitCounter	RO	Unsupported
			snmpOutGetRequests(25)	32BitCounter	RO	Unsupported
			snmpOutGetNexts(26)	32BitCounter	RO	Unsupported
			snmpOutSetRequests(27)	32BitCounter	RO	Unsupported
			snmpOutGetResponses(28)	32BitCounter	RO	Supported
			snmpOutTraps(29)	32BitCounter	RO	Supported
			snmpEnableAuthenTraps(30)	Integer	RO	Supported
			snmpSilentDrops(31)	32BitCounter	RO	Unsupported
			snmpProxyDrops(32)	32BitCounter	RO	Unsupported

7. Private MIB

Table 4 is the private MIB table.

Table 4 Private MIB Table

TREE	SMI TYPE	Mode	COMMENT
iso(1).org(3).dod(6).internet(1).private(4).enterprises(1).nel(3930)			
mvd5000(37)	node	NA	
mvd5000General(1)	node	NA	
mvd5000System(1)	node	NA	
mvd5000SysDescr(1)	DisplayString	RO	Machine Name
mvd5000SysMibVersion(2)	DisplayString	RO	MIB Version
mvd5000SysUpTime(3)	TimeTicks	RO	The time since last boot
mvd5000Version(2)	node	NA	
mvd5000VerModel(1)	Integer	RO	Model analog(0), dvbAsi(1), standard(7)
mvd5000VerFirmwareVersion(2)	DisplayString	RO	Firmware Version
mvd5000VerSerialNumber(3)	DisplayString	RO	SerialNumber
mvd5000VerMacAddressGbe(4)	PhysAddress	RO	MacAddress (GbE Port)
mvd5000VerMacAddressFe(5)	PhysAddress	RO	MacAddress (FE Port)
mvd5000VerOptions(6)	Integer	RO	Software Options 0x00000001 AAC LC Decode 0x00000002 MPEG2 Video Decode 0x00000100:v03.00 Base 0x01000000:v04.00 Base 0x02000000:TS Pass Thru 0x04000000:SAP 0x08000000:Seamless Protection 0x10000000:PS
mvd5000Information(2)	node	NA	
mvd5000StatusArea(1)	node	NA	
mvd5000StatAreaIcon(1)	Integer	RO	Stat Area Icon green(1), orange(2), red(3)
mvd5000StatAreaMessage(2)	Integer	RO	Stat Area Message stopped(0), decoding(1), error(2), tsPassThru(10) , receivingStop(11)
mvd5000InfoStatus(2)	node	NA	

							Type	Access	Description
					mvd5000InfoStatInputInterface(1)		Integer	RO	Input Interface ip(0), dvbAsi(1)
				mvd5000InfoStatInputTs(2)			node	NA	
					mvd5000InfoStatInputTsRate(1)		Integer	RO	TS Rate
					mvd5000InfoStatInputTsPerTsPacket(2)		Integer	RO	TS Packet Length tsNotReceived(0), length188byte(1), length204byte(2)
					mvd5000InfoStatInputTsMode(3)		Integer	RO	TS Mode ipNotReceived(0), standardTS(1), timestampedTS(2), advancedTS(3), mpeg2PS(4), mpeg2ES(5)
					mvd5000InfoStatInputTsPerIp(4)		Integer	RO	Number of Transmit TS (0 .. 7)
					mvd5000InfoStatInputEsFps(5)		Integer	RO	DESCRIPTION "fps"
				mvd5000InfoStatInputStream(3)			node	NA	
					mvd5000InfoStatInputStreamIpRate(1)		Integer	RO	Input Ip Rate
					mvd5000InfoStatInputStreamIpv4Address(2)		IpAddress	RO	Input Ipv4 Address
					mvd5000InfoStatInputStreamIpv6Address(3)		Ipv6Address	RO	Input Ipv6 Address
					mvd5000InfoStatInputStreamErrorCorrectionMode(11)		Integer	RO	Error Correction noErrorCorrect(0), fec(1), arq(2)
					mvd5000InfoStatInputStreamFecDimension(12)		Integer	RO	Pro-MPEG FEC Dimension noFec(0), fec1d(1), fec2d(2)
					mvd5000InfoStatInputStreamFecColumNumber(13)		Integer	RO	Pro-MPEG FEC Column (0 .. 20)
					mvd5000InfoStatInputStreamFecRowNumber(14)		Integer	RO	Pro-MPEG FEC Row (0 .. 20)
					mvd5000InfoStatInputStreamMdiDf(21)		Integer	RO	Media Delivery Index -Delay Facter
					mvd5000InfoStatInputStreamMdiMlr(22)		Integer	RO	Media Delivery Index -Media Loss Rate
					mvd5000InfoStatInputStreamIsDecoding(31)		Integer	RO	Decode Status none(0), isDecoding(1), isBuffering(2), seamlessProtection(3)
				mvd5000InfoStatInputAux(4)			node	NA	

					mvd5000InfoStatInputAuxIpRate(1)	Integer	RO	AUX Ip Rate
					mvd5000InfoStatInputAuxIpv4Address(2)	IpAddress	RO	AUX Ipv4 Address
					mvd5000InfoStatInputAuxIpv6Address(3)	Ipv6Address	RO	AUX Ipv6 Address
					mvd5000InfoStatInputAuxErrorCorrectionMode(11)	Integer	RO	Error Correction noErrorCorrect(0), fec(1), arq(2)
					mvd5000InfoStatInputAuxFecDimension(12)	Integer	RO	Pro-MPEG FEC Dimension noFec(0), fec1d(1), fec2d(2)
					mvd5000InfoStatInputAuxFecColumNumber(13)	Integer	RO	Pro-MPEG FEC Column (0 .. 20)
					mvd5000InfoStatInputAuxFecRowNumber(14)	Integer	RO	Pro-MPEG FEC Row (0 .. 20)
					mvd5000InfoStatInputAuxMdiDf(21)	Integer	RO	Media Delivery Index -Delay Facter
					mvd5000InfoStatInputAuxMdiMlr(22)	Integer	RO	Media Delivery Index -Media Loss Rate
					mvd5000InfoStatInputAuxIsDecoding(31)	Integer	RO	Decode Status none(0), isDecoding(1), isBuffering(2), seamlessProtection(3)
				mvd5000InfoStatInputSeamlessProtection(5)		node	NA	
					mvd5000InfoStatInputSeamlessProtectionStatus(1)	Integer	RO	Seamless Protection Status none(0), protectionIsValid(1), protectionIsInvalid(2), waitUntilValidationIsDone(3), waitUntilBufferingIsDone(4)
					mvd5000InfoStatInputSeamlessProtectionEarlier(2)	Integer	RO	Earlier Stream none(0), main(1), aux(2)
					mvd5000InfoStatInputSeamlessProtectionDelay(3)	Integer	RO	Delay Difference
					mvd5000InfoStatPacketsCounterRowFec(3)	32BitCounter	RO	Count of Rx Row FEC Packets
					mvd5000InfoStatPacketsCounterRestoredMedia(4)	32BitCounter	RO	Count of Restored Packets
					mvd5000InfoStatPacketsCounterLostMedia(5)	32BitCounter	RO	Count of Lost Packets
					mvd5000InfoStatPacketsCounterTxArq(6)	32BitCounter	RO	Count of Tx ARQ Packets
					mvd5000InfoStatPacketsCounterRxLost(8)	32BitCounter	RO	Count of Lost Packets on Rx Stream
					mvd5000InfoStatPacketsCounterAuxLost(9)	32BitCounter	RO	Count of Lost Packets on Aux Stream
				mvd5000InfoStatPacketsCounterClear(13)		Integer	RW	Clear Counter clear(1)
				mvd5000InfoStatDecodingTsId(21)		Integer	RO	TS ID (0 .. 65535)

					mvd5000InfoStatDecodingProgramNumber(22)	Integer	RO	Program Number (1 .. 65535)
					mvd5000InfoStatDecodingPmtPid(23)	Integer	RO	PMT PID (16 .. 8190)
					mvd5000InfoStatDecodingPcrPid(24)	Integer	RO	PCR PID (16 .. 8190)
					mvd5000InfoStatDecodingVideo(25)	node	NA	
					mvd5000InfoStatDecodingVideoPid(1)	Integer	RO	Video PID (16 .. 8190)
					mvd5000InfoStatDecodingVideoStreamType(2)	Integer	RO	Video Stream Type na(0), h264(1), mpeg2(2)
					mvd5000InfoStatDecodingVideoRate(3)	Integer	RO	Video Rate kbps
					mvd5000InfoStatDecodingVideoFormat(4)	Integer	RO	Video Format formatNone(0), format1080I25(1), format1080I29(2), format1080I30(3), format1080P23(4), format1080P24(5), format720P59(6), format720P60(7), format720P50(8), format576I25(9), format480I29(10), format512I29(11), formatNotSupported(255)
					mvd5000InfoStatDecodingVideoHorizontalSize(5)	Integer	RO	Video Horizontal Size
					mvd5000InfoStatDecodingVideoVerticalSize(6)	Integer	RO	Video Vertical Size
					mvd5000InfoStatDecodingVideoH264(7)	node	NA	
					mvd5000InfoStatDecodingVideoH264Profile(1)	Integer	RO	H.264 Profile na(0), baseline(1), main(2), extended(3), high(4), high10(5), high422(6), high444(7), notSupported(255)
					mvd5000InfoStatDecodingVideoH264Level(2)	Integer	RO	H.264 Level na(0), level1(1), level11(2), level12(3), level13(4), level2(5), level21(6), level22(7), level3(8), level31(9), level32(10), level4(11), level41(12), level42(13), level5(14), level51(15), notSupported(255)
					mvd5000InfoStatDecodingVideoMpeg2(8)	node	NA	

					Name	Type	Access	Description
					mvd5000InfoStatDecodingVideoMpeg2Profile(1)	Integer	RO	MPEG-2 Profile na(0), simple(1), main(2), snr(3), spatially(4), high(5), high422(6), multi(7), notSupported(255)
					mvd5000InfoStatDecodingVideoMpeg2Level(2)	Integer	RO	MPEG-2 Level na(0), low(1), main(2), high1440(3), high(4), notSupported(255)
			mvd5000InfoStatDecodingAudio1(26)			node	NA	
				mvd5000InfoStatDecodingAudio1Pid(1)		Integer	RO	Audio1 PID (16 .. 8190)
				mvd5000InfoStatDecodingAudio1Rate(2)		Integer	RO	Audio1 Rate
				mvd5000InfoStatDecodingAudio1Format(3)		Integer	RO	Audio1 Format none(0), mpeg1Stereo(1), mpeg1JointStereo(2), mpeg1DualChannel(3), mpeg1SingleChannel(4), smpte302m2ch(11), smpte302m4ch(12), smpte302m6ch(13), smpte302m8ch(14), aac10(21), aac11(22), aac20(23), aac21(24), aac30(25), aac31(26), aac22(27), aac40(28), aac32(29), aac321(30), aac222(31), aac60(32), aac111111(33), aac1111(34), notSupported(255)
			mvd5000InfoStatDecodingAudio2(27)			node	NA	
				mvd5000InfoStatDecodingAudio2Pid(1)		Integer	RO	Audio2 PID (16 .. 8190)
				mvd5000InfoStatDecodingAudio2Rate(2)		Integer	RO	Audio2 Rate

					mvd5000InfoStatDecodingAudio2Format(3)	Integer	RO	Audio2 Format none(0), mpeg1Stereo(1), mpeg1JointStereo(2), mpeg1DualChannel(3), mpeg1SingleChannel(4), smpte302m2ch(11), smpte302m4ch(12), smpte302m6ch(13), smpte302m8ch(14), aac10(21), aac11(22), aac20(23), aac21(24), aac30(25), aac31(26), aac22(27), aac40(28), aac32(29), aac321(30), aac222(31), aac60(32), aac111111(33), aac1111(34), notSupported(255)
				mvd5000InfoStatDetailTemperature(31)		Integer	RO	Temperature ok(0), warning(1), error(2)
				mvd5000InfoStatDetailFanStatus(32)		Integer	RO	Fan Status active(0), slow(1), inactive(2)
		mvd5000Configuration(3)				node	NA	
			mvd5000Input(1)			node	NA	
				mvd5000InputSelectVideoAudio(1)		Integer	RW	Input Interface Audio/Video asi(0), ip(1)
			mvd5000Receive(2)			node	NA	
				mvd5000ReceiveEnable(1)		Integer	RW	Receive disabled(0), enable(1)
				mvd5000ReceiveVersion(2)		Integer	RW	IP Version ipv4(0), ipv6(1)
				mvd5000ReceiveProtocol(3)		Integer	RW	Protocol rtp(0), udp(1)
				mvd5000ReceivePortNumber(4)		Integer	RW	Port Number (1024 .. 65531)
				mvd5000ReceiveInterface(5)		Integer	RW	Interface gbe(0), fe(1), pppoe1(2), pppoe2(3)
				mvd5000ReceiveIpv4(6)		node	NA	
					mvd5000ReceiveIpv4ReceiveAddress(2)	IpAddress	RW	Ipv4 Receive Address
				mvd5000ReceiveIpv6(7)		node	NA	
					mvd5000ReceiveIpv6InterfaceAddress(1)	Ipv6Address	RW	Ipv6 Interface Address

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					mvd5000ReceiveIpv6ReceiveAddress(2)	Ipv6Address	RW	Ipv6 Receive Address
				mvd5000ReceiveErrorCorrectionMode(8)		Integer	RW	Error Correction notUsed(0), fec(1), arq(2)
				mvd5000ReceiveMpeg2DataType (10)		Integer	RW	MPEG-2 MUX Type tsReceive(0), psReceive(1), videoESReceive(2)
				mvd5000ReceiveControlProtocol(21)		Integer	RW	Contorl Protocol disabled(0), rtsp(1)
				mvd5000ReceiveSessionStatus(22)		DisplayString	RO	Session Status
				mvd5000ReceiveAddressType(23)		Integer	RW	Address Type unicast(0), multicast(1)
				mvd5000ReceiveControlURL(24)		DisplayString	RW	Control URL SIZE(0..128)
				mvd5000ReceiveAdvanced(100)		node	NA	
				mvd5000ReceiveAux(1)		node	NA	
					mvd5000ReceiveAuxEnable(1)	Integer	RW	AUX Receive disabled(0), enabled(1)
					mvd5000ReceiveAuxVersion(2)	Integer	RW	IP Version ipv4(0), ipv6(1)
					mvd5000ReceiveAuxPortNumber(4)	Integer	RW	Port Number (1024 .. 65531)
					mvd5000ReceiveAuxInterface(5)	Integer	RW	Interface gbe(0), fe(1), pppoe1(2), pppoe2(3)
					mvd5000ReceiveAuxIpv4(6)	node	NA	
						mvd5000ReceiveAuxIpv4ReceiveAddress(2)	IpAddress	RW	IPv4 Receive Address
					mvd5000ReceiveAuxIpv6(7)	node	NA	
						mvd5000ReceiveAuxIpv6InterfaceAddress(1)	Ipv6Address	RW	Ipv6 Interface Address
						mvd5000ReceiveAuxIpv6ReceiveAddress(2)	Ipv6Address	RW	Ipv6 Receive Address
					mvd5000ReceiveAuxSeamlessProtectionSwitching(11)	Integer	RW	Seamless Protection disabled(0), enabled(2)
					mvd5000ReceiveAuxPreemptMode(12)	Integer	RW	Preempt Mode disabled(0), enabled(1)
				mvd5000ReceiveCommon(2)		node	NA	

						mvd5000ReceiveCommonMediaPacketPayloadType(1)		Integer	RW	Media Packet RTP Payload Type (0 .. 127)
						mvd5000ReceiveCommonMediaPacketPayloadTypeConfig(2)		Integer	RW	Media Packet RTP Payload Type Config normal(0), advanced(1)
						mvd5000ReceiveCommonBufferSize(11)		Integer	RW	Receive Buffer Size (10 .. 3000)
						mvd5000ReceiveCommonBufferActualValue(12)		Integer	RO	Receive Buffer Actual Value
						mvd5000ReceiveCommonArpTransmission(13)		Integer	RW	ARP Transmission enabled(0), disabled(1)
						mvd5000ReceiveCommonArpInterval(14)		Integer	RW	ARP Checking Interval (5 .. 30)
						mvd5000ReceiveCommonDelayFluctuationMonitoring(15)		Integer	RW	Delay Fluctuation Monitoring disabled(0), enabled(1)
						mvd5000ReceiveCommonReceiveRateType(16)		Integer	RW	Receive Rate Type cbr(0), vbr(1)
						mvd5000NoPcrMode(17)		Integer	RW	No PCR Mode disabled(0), enabled(1)
						mvd5000TimestampedTsControl(18)		Integer	RW	Timestamped TS Control disabled(0), enabled(1)
						mvd5000ReceiveUnicastSrcFilter(21)		Integer	RW	Unicast Source Filter enabled(0), disabled(1)
						mvd5000ReceiveUnicastDstFilter(22)		Integer	RW	Unicast Destination Filter enabled(0), disabled(1)
					mvd5000ReceiveErrorCorrect(3)			node	NA	
						mvd5000ReceiveErrFecColumPacketSettings(1)		Integer	RW	Pro-MPEG FEC Colum Packet Settings auto(0), manual(1)
						mvd5000ReceiveErrFecColumPacketPortNumber(2)		Integer	RW	Pro-MPEG FEC Colum Packet Port Number (1024 .. 65535)
						mvd5000ReceiveErrFecColumPacketPayloadType(3)		Integer	RW	Pro-MPEG FEC Colum Packet Payload Type (1 .. 127)
						mvd5000ReceiveErrFecRowPacketSettings(4)		Integer	RW	Pro-MPEG FEC Row Packet Settings auto(0), manual(1)

						mvd5000ReceiveErrFecRowPacketPortNumber(5)	Integer	RW	Pro-MPEG FEC　Row Packet Port Number (1024 .. 65535)
						mvd5000ReceiveErrFecRowPacketPayloadType(6)	Integer	RW	Pro-MPEG FEC　Row Packet Payload Type (1 .. 127)
						mvd5000ReceiveErrArqRetransBufferSize(11)	Integer	RW	ARQ Retransmission Buffer Size (10 .. 50000)
						mvd5000ReceiveErrArqRetransBufferActualValue(12)	Integer	RO	ARQ Retransmission Buffer Actual Value
						mvd5000ReceiveErrArqRetransInterval(13)	Integer	RW	ARQ Retransmission Interval (10 .. 1000)
						mvd5000ReceiveErrArqPortNumber(14)	Integer	RW	ARQ Port Number (1024 .. 65535)
						mvd5000ReceiveErrErrorCorrectionBuffer(21)	Integer	RW	Error Correction Buffer (0 .. 4000)
						mvd5000ReceiveErrErrorCorrectionBufferActualValue(22)	Integer	RO	Error Correction Buffer Actual Value
					mvd5000ReceiveVideoEs(4)		node	NA	
						mvd5000ReceiveVideoEsPayloadType(1)	Integer	RW	Video ES Payload Type (1 .. 127)
						mvd5000ReceiveVideoEsTimestampOffset(2)	Integer	RW	TimestampOffset superLow(0), low(1), standard(2)
						mvd5000ReceiveVideoEsConnectInterval(11)	Integer	RW	Connect Interval (1 .. 300)
						mvd5000ReceiveVideoEsInputTimeout(12)	Integer	RW	Input Timeout (1 .. 300)
						mvd5000ReceiveVideoEsUserName(13)	DisplayString	RW	User Name SIZE(0..32)
						mvd5000ReceiveVideoEsPassword(14)	DisplayString	RW	Password SIZE(0..32)
				mvd5000MultiCast(3)			node	NA	
					mvd5000MulticastIgmpVersion(1)		Integer	RW	IGMP Version igmpv2(0), igmpv3(1), compatible(2)
					mvd5000MulticastSourceFileterMode(2)		Integer	RW	Source Fileter Mode include(0), exclude(1)
					mvd5000MulticastIncludeTable(11)		sequence of	NA	Source Address List　Include
						mvd5000MulticastIncludeEntry(1)	sequence	NA	

						mvd5000MulticastIncludeIndex(1)	Integer	RO	Index (1 .. 4)
						mvd5000MulticastIncludeEnable(2)	Integer	RW	Status disabled(0), enabled(1)
						mvd5000MulticastIncludeVersion(3)	Integer	RW	IP Version ipv4(0), ipv6(1)
						mvd5000MulticastIncludeIpv4SrcAddress(4)	IpAddress	RW	Source IPv4 Address
						mvd5000MulticastIncludeIpv6SrcAddress(5)	Ipv6Address	RW	Source IPv6 Address
					mvd5000MulticastExcludeTable(12)		sequence of	NA	Source Address List　Exclude
						mvd5000MulticastExcludeEntry(1)	sequence	NA	
						mvd5000MulticastExcludeIndex(1)	Integer	RO	Index (1 .. 4)
						mvd5000MulticastExcludeEnable(2)	Integer	RW	Status disabled(0), enabled(1)
						mvd5000MulticastExcludeVersion(3)	Integer	RW	IP Version ipv4(0), ipv6(1)
						mvd5000MulticastExcludeIpv4SrcAddress(4)	Integer	RW	Source IPv4 Address
						mvd5000MulticastExcludeIpv6SrcAddress(5)	Integer	RW	Source IPv6 Address
				mvd5000Decode(4)			node	NA	
					mvd5000DecProgramSelect(1)		Integer	RW	Select Program auto(0), select(1), doNotSelect(2)
					mvd5000DecProgramNumber(2)		Integer	RW	Program Number (1 .. 65535)
					mvd5000DecAdvanced(100)		node	NA	
						mvd5000DecProgramVideoPidSelect(1)	Integer	RW	Video PID Select auto(0), select(1), doNotDecode(2)
						mvd5000DecProgramVideoStreamType(2)	Integer	RW	Video Stream Type auto(0), h264(1), mpeg2(2)
						mvd5000DecProgramVideoPid(3)	Integer	RW	Video PID (16 .. 8190)
						mvd5000DecProgramPcrPid(4)	Integer	RW	PCR PID (16 .. 8190)
						mvd5000DecProgramAudio1(5)	node	NA	
							mvd5000DecProgramAudio1PidSelect(1)	Integer	RW	Audio1 PID Select auto(0), select(1), doNotDecode(2)
							mvd5000DecProgramAudio1Pid(2)	Integer	RW	Audio1 PID (16 .. 8190)
						mvd5000DecProgramAudio2(6)	node	NA	

									Type	RW	Description
						mvd5000DecProgramAudio2PidSelect(1)			Integer	RW	Audio2 PID Select auto(0), select(1), doNotDecode(2)
						mvd5000DecProgramAudio2Pid(2)			Integer	RW	Audio2 PID (16 .. 8190)
		mvd5000DecVideoErrorDisplay(11)							Integer	RW	Error Frame Display display(0), notDisplay(1)
		mvd5000DecVideoDefaultVideoFormat(12)							Integer	RW	Default Video Format format1080I29(0), format1080I25(1), format720P59(2), format720P50(3), format480I29(4), format576I25(5)
		mvd5000DecVideoDisplayForNoInput(13)							Integer	RW	Display For No Input lastFrame(0), fixColor(1)
		mvd5000DecVideoTimeToSwitchTheVideo(14)							Integer	RW	Time To Switch The Video immediately(0), after30Seconds(1), after60Seconds(2)
		mvd5000DecVideoDecodeBehavior(15)							Integer	RW	Decoder Behavior beDecoded(0), notDecoded(1)
		mvd5000DecVideoStreamAnalyze(16)							Integer	RW	Stream Analyze advancedMode(0), standardMode(1)
		mvd5000DecDelay(21)							node	NA	
			mvd5000DecDelayUnit(1)						Integer	RW	Delay Unit ms(0), frame(1)
			mvd5000DecDelayVideo(11)						node	NA	
				mvd5000DecDelayVideoAdjustableDelayTime(1)					Integer	RW	Video Adjustable Delay Time (0 .. 1000)
				mvd5000DecDelayVideoAdjustableDelayFrame(2)					Integer	RW	Video Adjustable Delay Frame (0 .. 25)
			mvd5000DecDelayVideo(11)						node	NA	
				mvd5000DecDelayVideoAdjustableDelayTime(1)					Integer	RW	Audio1 Adjustable Delay Time (-100 .. 50)
				mvd5000DecDelayVideoAdjustableDelayFrame(2)					Integer	RW	Audio1 Adjustable Delay Frame (-2 .. 1)
			mvd5000DecDelayVideo(11)						node	NA	
				mvd5000DecDelayVideoAdjustableDelayTime(1)					Integer	RW	Audio2 Adjustable Delay Time (-100 .. 50)

						mvd5000DecDelayVideoAdjustableDelayFrame(2)	Integer	RW	Audio2 Adjustable Delay Frame (-2 .. 1)
	mvd5000Output(5)						node	NA	
		mvd5000OutputSuperimposeTextDisplay(1)					Integer	RW	Superimpose Text Display none(0), upper(1), lower(2), upperAndLower(3)
		mvd5000OutputSuperimposeUpperText(2)					DisplayString	RW	Superimpose Upper Text SIZE(0..32)
		mvd5000OutputSuperimposeLowerText(3)					DisplayString	RW	Superimpose Lower Text SIZE(0..32)
		mvd5000OutputSuperimposeUpperTextSelect(4)							Superimpose Upper Text Select manual(0), dateAndTime(1), time(2), titleBarText(3)
		mvd5000OutputSuperimposeLowerTextSelect(5)					Integer	RW	Superimpose Lower Text Select manual(0), dateAndTime(1), time(2), titleBarText(3)
		mvd5000OutputTsPassThroughSdiOutSelect(11)					Integer	RW	"SDI OUT" Select decodingOutput(0), tsPassThrough(1)
		mvd5000OutputTsPassThroughAsiThruSelect(12)					Integer	RW	"ASI THRU" Select asiThrough(0), ipThrough(1)
		mvd5000OutputAdvanced(100)					node	NA	
			mvd5000OutputSuperimposeFontSize(1)				Integer	RW	Superimpose Font Size maximum(0), large(1), medium(2), small(3), minimum(4)
			mvd5000OutputSuperimposeEffect(2)				Integer	RW	Superimpose Effect per0(0), per25(1), per50(2), per75(3), per100(4), per100Border(5)
			mvd5000OutputSuperimposeUpperPosition(3)				Integer	RW	Superimpose Upper Position left(0), center(1), right(2)
			mvd5000OutputSuperimposeLowerPosition(4)				Integer	RW	Superimpose Lower Position left(0), center(1), right(2)
			mvd5000OutputHdmiFrameStructure(11)				Integer	RW	HDMI Frame Structure interlace(0), progressive(1), auto(2)
			mvd5000OutputAudioHdmiColorSpace(12)				Integer	RW	HDMI Color Space rgb(0), ycbcr(1), auto(2)

										Type	Access	Description
						mvd5000OutputAudioHdmiSignalType(13)			Integer	RW	HDMI Signal Type dvi(0), hdmi(1), auto(2)
						mvd5000OutputAnalogSetupLevel(21)			Integer	RW	Analog Setup Level ire0(0), ire75(1)
						mvd5000OutputVideoSynchronize(41)			Integer	RW	Video Synchronize internal(0), fs(1)
						mvd5000OutputVideoScaling(42)			Integer	RW	Video Scaling disabled(0), enabled(1)
						mvd5000OutputTsMonitoring(43)			Integer	RW	TS Monitoring disabled(0), enabledSdiOutStop(1)
		mvd5000Network(4)							node	NA	
			mvd5000NetGbe(1)						node	NA	
				mvd5000NetGbeIpv4AddressConfiguration(1)					Integer	RW	Ipv4 Configuration manually(0), usingDhcp(1)
				mvd5000NetGbeIpv4IpAddress(3)					IpAddress	RW	Ipv4 Address
				mvd5000NetGbeIpv4SubnetMask(4)					IpAddress	RW	Subnet Mask
				mvd5000NetGbeIpv4Gateway(5)					IpAddress	RW	Gateway Address
				mvd5000NetGbeIpv6LinkLocalAddress(11)					Ipv6Address	RO	Ipv6 Link Local Address
				mvd5000NetGbeIpv6LinkLocalDad(12)					Integer	RO	Ipv6 Link Local DAD undetected(0), detected(1)
				mvd5000NetGbeLinkStatus(21)					Integer	RO	Link Status linkDown(0), link10Half(1), link10Full(2), link100Half(3), link100Full(4), link1000Half(5), link1000Full(6)
				mvd5000NetGbeAdvanced(100)					node	NA	
					mvd5000NetGbeIpv6AddressConfiguration(1)				Integer	RW	Ipv6 Configuration usingStatelessAutoConfig(0), manually(1)
					mvd5000NetGbeIpv6Manual1(3)				node	NA	
						mvd5000NetGbeIpv6Manual1Address(1)			Ipv6Address	RW	IPv6 IP Address #1
						mvd5000NetGbeIpv6Manual1Prefix(2)			Integer	RW	IPv6 Prefix Length #1 (1 .. 127)
						mvd5000NetGbeIpv6Manual1Dad(3)			Integer	RO	DAD Settings #1 undetected(0), detected(1)
					mvd5000NetGbeIpv6Manual2(4)				node	NA	
						mvd5000NetGbeIpv6Manual2Address(1)			Ipv6Address	RW	IPv6 IP Address #2

					mvd5000NetGbeIpv6Manual2Prefix(2)	Integer	RW	IPv6 Prefix Length #2 (1 .. 127)
					mvd5000NetGbeIpv6Manual2Dad(3)	Integer	RO	DAD Settings #2 undetected(0), detected(1)
				mvd5000NetGbeIpv6RaListTable(11)		Sequence of	RO	RA Address List
					mvd5000NetGbeIpv6RaListEntry(1)	Sequence	NA	
						mvd5000NetGbeIpv6RaListIndex(1)	Integer	RO	Index (1..6)
						mvd5000NetGbeIpv6RaListIpAddress(2)	Ipv6Address	RO	RA Address
						mvd5000NetGbeIpv6RaListType(3)	Integer	RO	Address Type unspecified(0), linkLocal(1), siteLocal(2), global(3), multicast(4)
						mvd5000NetGbeIpv6RaListRouterAddress(4)	Ipv6Address	RO	Router Address
						mvd5000NetGbeIpv6RaListNotes(5)	Integer	RO	Notes unDuplicate(0), duplicateStream1(1), duplicateStream2(2), duplicateStream1And2(3)
				mvd5000NetGbeIpv6Gateway(21)		Ipv6Address	RW	IPv6 Gateway Address
				mvd5000NetGbeIpv6InterfaceIdMode(31)		Integer	RW	IPv6 Interface ID Setting autoConfig(0), manually(1)
				mvd5000NetGbeIpv6InterfaceId(32)		DisplayString	RW	IPv6 Interface ID SIZE(0..19)
				mvd5000NetGbeIpv6DadEnable(33)		Integer	RW	IPv6 DAD Setting enabled(0), limited(1), disabled(2)
				mvd5000NetGbeEtherLinkSpeedDuplex(41)		Integer	RW	Ethernet Link Speed / Duplex link100Half(0), link100Full(1), linkAuto(2), link10Half(3), link10Full(4), link1000Half(5), link1000Full(6)
				mvd5000NetGbeEtherMacOverWriteEnable(43)		Integer	RW	Ethernet Override Mac Setting disabled(0), enabled(1)
				mvd5000NetGbeEtherMacOverWriteAddress(44)		PhysAddress	RW	Ethernet Override Mac Address
				mvd5000NetGbeEtherPromiscuousMode(45)		Integer	RW	Ethernet Promiscuous Mode disabled(0), enabled(1)
			mvd5000NetFe(3)			node	NA	
				mvd5000NetFeIpv4AddressConfiguration(1)		Integer	RW	IPv4 Configuration manually(0), usingDhcp(1)

				Name	Type	Access	Description
				mvd5000NetFeIpv4IpAddress(3)	IpAddress	RW	IPv4 IP Address
				mvd5000NetFeIpv4SubnetMask(4)	IpAddress	RW	IPv4 Subnet Mask
				mvd5000NetFeIpv4Gateway(5)	IpAddress	RW	IPv4 Gateway Address
				mvd5000NetFeIpv6LinkLocalAddress(11)	Ipv6Address	RO	IPv6 Link Local Address
				mvd5000NetFeIpv6LinkLocalDad(12)	Integer	RO	IPv6 Link Local DAD undetected(0), detected(1)
				mvd5000NetFeLinkStatus(21)	Integer	RO	Link Status linkDown(0), link10Half(1), link10Full(2), link100Half(3), link100Full(4)
			mvd5000NetFeAdvanced(100)		node	NA	
				mvd5000NetFeIpv6AddressConfiguration(1)	Integer	RW	IPv6 Configration usingStatelessAutoConfig(0), manually(1)
				mvd5000NetFeIpv6Manual1(3)	node	NA	
					mvd5000NetFeIpv6Manual1Address(1)	Ipv6Address	RW	IPv6 IP Address#1
					mvd5000NetFeIpv6Manual1Prefix(2)	Integer	RW	IPv6 Prefix Length#1 (1 .. 127)
					mvd5000NetFeIpv6Manual1Dad(3)	Integer	RO	IPv6 DAD Setting undetected(0), detected(1)
				mvd5000NetFeIpv6Manual2(4)	node	NA	
					mvd5000NetFeIpv6Manual2Address(1)	Ipv6Address	RW	IPv6 IP Address#2
					mvd5000NetFeIpv6Manual2Prefix(2)	Integer	RW	IPv6 Prefix Length#2 (1 .. 127)
					mvd5000NetFeIpv6Manual2Dad(3)	Integer	RO	IPv6 DAD undetected(0), detected(1)
				mvd5000NetFeIpv6RaListTable(11)	Sequence of	NA	RA address list
					mvd5000NetFeIpv6RaListEntry(1)	Sequence	NA	
						mvd5000NetFeIpv6RaListIndex(1)	Integer	RO	Index (1..6)
						mvd5000NetFeIpv6RaListIpAddress(2)	Ipv6Address	RO	RA Address
						mvd5000NetFeIpv6RaListType(3)	Integer	RO	Address Type unspecified(0), linkLocal(1), siteLocal(2), global(3), multicast(4)
						mvd5000NetFeIpv6RaListRouterAddress(4)	Ipv6Address	RO	Router Address

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Name	Type	Access	Description
mvd5000NetFeIpv6RaListNotes(5)	Integer	RO	Notes unDuplicate(0), duplicateStream1(1), duplicateStream2(2), duplicateStream1And2(3)
mvd5000NetFeIpv6Gatway(21)	Ipv6Address	RW	IPv6 Gateway Address
mvd5000NetFeIpv6InterfaceIdMode(31)	Integer	RW	IPv6 Interface ID Setting autoConfig(0), manually(1)
mvd5000NetFeIpv6InterfaceId(32)	DisplayString	RW	IPv6 Interface ID SIZE(0..19)
mvd5000NetFeIpv6DadEnable(33)	Integer	RW	IPv6 DAD Setting enabled(0), limited(1), disabled(2)
mvd5000NetFeEtherLinkSpeedDuplex(41)	Integer	RW	Ethernet Link Speed / Duplex link100Half(0), link100Full(1), linkAuto(2), link10Half(3), link10Full(4)
mvd5000NetFeEtherMacOverWriteEnable(43)	Integer	RW	Ethernet Override Mac Setting disabled(0), enabled(1)
mvd5000NetFeEtherMacOverWriteAddress(44)	PhysAddress	RW	Ethernet Override Mac Address
mvd5000NetFeEtherPromiscuousMode(45)	Integer	RW	Ethernet Promiscuous Mode disabled(0), enabled(1)
mvd5000NetworkService(5)	node	NA	
mvd5000SnmpTrap(2)	node	NA	
mvd5000SnmpTrapVersion(1)	Integer	RW	SNMP Version snmpv2(0), snmpv1(1)
mvd5000SnmpTrapPortNumber(2)	Integer	RW	Port Number (162, 1024 .. 65535)
mvd5000SnmpTrapInterface(3)	Integer	RW	Network Interface gbe(0), fe(1), pppoe1(2), pppoe2(3)
mvd5000SnmpTrapIpv6InterfaceAddressSelect(4)	Integer	RW	IPv6 Interface Address auto(0), linkLocal(1), manual1(2), manual2(3)
mvd5000SnmpTrapDstTable(11)	sequence of	NA	
mvd5000SnmpTrapDstEntry(1)	sequence	NA	
mvd5000SnmpTrapDstIndex(1)	Integer	RO	index (1..8)
mvd5000SnmpTrapDstServiceEnable(2)	Integer	RW	Trap Transmission enabled(0), disabled(1)

					mvd5000SnmpTrapDstCommunityName(3)	DisplayString	RW	Community Name SIZE(0..32)
					mvd5000SnmpTrapDstProtocol(4)	Integer	RW	Protocol ipv4(0), ipv6(1)
					mvd5000SnmpTrapDstIpv4Address(5)	IpAddress	RW	Dstination Ipv4 Address
					mvd5000SnmpTrapDstIpv6Address(6)	Integer	RW	Dstination Ipv6 Address
			mvd5000Syslog(3)			node	NA	
				mvd5000SyslogServiceEnable(1)		Integer	RW	Syslog Service Control disabled(0), enabled(1)
				mvd5000SyslogPortNumber(2)		Integer	RW	Port Number (514, 1024 .. 65535)
				mvd5000SyslogInterface(3)		Integer	RW	Network Interface gbe(0), fe(1), pppoe1(2), pppoe2(3)
				mvd5000SyslogIpv6InterfaceAddressSelect(4)		Integer	RW	IPv6 Interface Address auto(0), linkLocal(1), manual1(2), manual2(3)
				mvd5000SyslogDstTable(11)		sequence of	NA	
					mvd5000SyslogDstEntry(1)	sequence	NA	
						mvd5000SyslogDstIndex(1)	Integer	RO	Index (1..8)
						mvd5000SyslogDstServiceEnable(2)			Syslog Destination disabled(0), enabled(1)
						mvd5000SyslogDstProtocol(3)			Destination IP Version ipv4(0), ipv6(1)
						mvd5000SyslogDstIpv4Address(4)			Destination IPv4 Address
						mvd5000SyslogDstIpv6Address(5)			Destination IPv6 Address
			mvd5000PassThru(4)			node	NA	
				mvd5000PassThruMode(1)		Integer	RW	Serial Pass-Through Mode disabled(0), udp(1), tcpServer(2), tpcClient(3)
				mvd5000PassThruInterface(3)		Integer	RW	Network Interface gbe(0), fe(1), pppoe1(2), pppoe2(3)
				mvd5000PassThruPortNumber(4)		Integer	RW	Port Number (1024 .. 65535)
				mvd5000PassThruControlConnect(5)		Integer	RW	Connect connect(1)
				mvd5000PassThruControlDisconnect(6)		Integer	RO	Disconnect disconnect(1)

					mvd5000PassThruActualStatus(7)	Integer	RO	Actual Status error(0), reloadParam(1), waiting(2), connecting(3), established(4), closing(5)
					mvd5000PassThruIpv4DstAddress(12)	IpAddress	RW	IPv4 Destination Address
					mvd5000PassThruSerialBaudRate(31)	Integer	RW	Baud Rate baud1200bps(0), baud2400bps(1), baud4800bps(2), baud9600bps(3), baud14400bps(4), baud19200bps(5), baud38400bps(6), baud57600bps(7), baud115200bps(8)
					mvd5000PassThruSerialDataBit(32)	Integer	RW	Date Bit data8bit(0), data7bit(1)
					mvd5000PassThruSerialParity(33)	Integer	RW	Parity none(0), odd(1), even(2)
					mvd5000PassThruSerialStopBit(34)	Integer	RW	Stop Bit stop1bit(0), stop2bit(1)
					mvd5000PassThruSerialFlowControl(35)	Integer	RW	Flow Control none(0), xonXoff(1)
					mvd5000PassThruAdvanced(100)	node	NA	
						mvd5000PassThruClientStartMode(1)	Integer	RW	Client Start Mode auto(0), manual(1)
						mvd5000PassThruServerListenMode(2)	Integer	RW	Server Listen Mode acceptForAll(0), acceptForDestination(1)
						mvd5000PassThruAuthentificationEnable(11)	Integer	RW	Authentication enabled(0), disabled(1)
						mvd5000PassThruAuthentificationId(12)	DisplayString	RW	Authentication ID SIZE(0..8)
						mvd5000PassThruConnectTimeout(21)	Integer	RW	Connection Timeout (1 .. 300)
						mvd5000PassThruConnectRetryCount(22)	Integer	RW	Retry Connection (0 .. 99)
						mvd5000PassThruServiceTimeout(23)	Integer	RW	Service Timeout (0 .. 30)

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						mvd5000PassThruClientTimeout(24)	Integer	RW	Serial Timeout (0 .. 300)
			mvd5000HttpCommand(5)				node	NA	
				mvd5000HttpCommandEnable(1)			Integer	RW	WebAPI disabled(0), enabled(1)
			mvd5000Sap(7)				node	NA	
				mvd5000SapServiceEnable(1)			Integer	RW	SAP Service Control disabled(0), enabled(1)
				mvd5000SapPortNumber(2)			Integer	RW	Port Number (1024 .. 65535)
				mvd5000SapReceiveInterface(3)			Integer	RW	Receive Interface gbe(0), fe(1)
				mvd5000SapIpVersion(4)			Integer	RW	IP Version ipv4(0), ipv6(1)
				mvd5000SapIpv4ReceiveAddress(5)			IpAddress	RW	IPv4 Receive Address
				mvd5000SapIpv6ReceiveAddress(6)			Ipv6Address	RW	IPv6 Receive Address
				mvd5000SapSelectSessionTable(21)			sequence of	NA	Session List
					mvd5000SapSelectSessionEntry(1)		sequence	NA	
						mvd5000SapSelectSessionIndex(1)	Integer	RO	Index (1..8)
						mvd5000SapSelectSessionName(2)	DisplayString	RO	Session Name SIZE(0..16)
						mvd5000SapSelectSessionDstAddress(3)	DisplayString	R RO	Destination Address SIZE(0..40)
						mvd5000SapSelectSessionInformation(4)	DisplayString	RO	Session Information SIZE(0..32)
				mvd5000SapSelectApply(31)			Integer	RW	Running Session notUsed(0), session1(1), session2(2), session3(3), session4(4), session5(5), session6(6), session7(7), session8(8)
				mvd5000SapSelectRunningChanged(32)			Integer	RO	Apply Session notChanged(0), changed(1)
				mvd5000SapSelectClear(33)			Integer	RW	Clear Session List clearSessionList(1)
			mvd5000Administration(6)				node	NA	
				mvd5000AdminAccounts(1)			node	NA	

					mvd5000AdminAccountsUserPermissionsGuest(1)	Integer	RW	Guest Account(User Permissions) displayOnly(0), canBeChanged(1)
		mvd5000AdminClock(3)				node	NA	
			mvd5000AdminClockDateAndTime(1)			DisplayString	RW	Date And Time SIZE(0..19)
			mvd5000AdminClockTimeZone(11)			Integer	RW	Time Zone utcPlus0900(0), utcPlus0930(1), utcPlus1000(2), utcPlus1030(3), utcPlus1100(4), utcPlus1130(5), utcPlus1200(6), utcPlus1245(7), utcPlus1300(8), utcPlus1400(9), utcMinus1200(10), utcMinus1100(11), utcMinus1000(12), utcMinus0930(13), utcMinus0900(14), utcMinus0800(15), utcMinus0700(16), utcMinus0600(17), utcMinus0500(18), utcMinus0400(19), utcMinus0330(20), utcMinus0300(21), utcMinus0200(22), utcMinus0100(23), utc(24), utcPlus0100(25), utcPlus0200(26), utcPlus0300(27), utcPlus0330(28), utcPlus0400(29), utcPlus0430(30), utcPlus0500(31), utcPlus0530(32), utcPlus0545(33), utcPlus0600(34), utcPlus0630(35), utcPlus0700(36), utcPlus0800(37), utcPlus0845(38)
			mvd5000AdminClockTimeSyncAutomatically(21)			Integer	RW	Sync Automatically no(0), yes(1)
			mvd5000AdminClockTimeSyncInterface(23)			Integer	RW	Network Interface auto(0), gbe(1), fe(2),pppoe1(3), pppoe2(4)

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				mvd5000AdminClockTimeSyncInterval(25)	Integer	RW	Query An NTP Server sync1Hour(0), sync1Day(1), sync1Week(2)
				mvd5000AdminClockTimeSyncNtpServerIpv4Address(32)	IpAddress	RW	NTP Server Address
				mvd5000AdminClockTimeSyncNow(51)	Integer	RW	Sync Now syncNow(1)
			mvd5000AdminSystem(5)		node	NA	
				mvd5000AdminSysRestartDevice(1)	Integer	RW	System Reset reset(1)
		mvd5000Preferences(7)			node	NA	
			mvd5000PrefPreset(2)		node	NA	
				mvd5000PrefPresetSelectPreset(1)	Integer	RW	Select Preset notUsed(0), usr1(1), usr2(2), usr3(3), usr4(4), usr5(5), usr6(6), usr7(7), usr8(8), sys1(9),　usr9(17), usr10(18), usr11(19), usr12(20), usr13(21), usr14(22), usr15(23), usr16(24)
				mvd5000PrefPresetChanged(2)	Integer	RO	Preset Change notChanged(0), changed(1)
				mvd5000PrefPresetSystemPresetTable(3)	sequence of	NA	
				mvd5000PrefPresetSystemPresetEntry(1)	sequence	NA	
					mvd5000PrefPresetSystemPresetIndex(1)	Integer	RO	Index (1..1)
					mvd5000PrefPresetSystemPresetComment(2)	DisplayString	RO	Preset Comment (System) SIZE(0..64)
				mvd5000PrefPresetUserPresetTable(4)	sequence of	NA	
				mvd5000PrefPresetUserPresetEntry(1)	sequence	NA	
					mvd5000PrefPresetUserPresetIndex(1)	Integer	RO	Index (1..16)
					mvd5000PrefPresetUserPresetStatus(2)	Integer	RO	Preset Status(User) none(0), registered(1)
					mvd5000PrefPresetUserPresetRegister(3)	Integer	RW	Preset Register (User) registerUserPreset(1)
					mvd5000PrefPresetUserPresetComment(4)	DisplayString	RW	Preset Comment (User) SIZE(0..64)
					mvd5000PrefPresetUserPresetDelete(5)	Integer	RW	Preset Delete (User) deleteUserPreset(1)

				sequence of	NA	
		mvd5000AlarmTable(11)		sequence of	NA	
			mvd5000AlarmEntry(1)	sequence	NA	
			mvd5000AlarmIndex(1)	Integer	RO	Index (1..64)
			mvd5000AlarmDateAndTime(2)	DisplayString	RO	Alarm Time SIZE(0..19)
			mvd5000AlarmEvent(3)	Integer	RO	Alarm Event (1..1000)
			mvd5000AlarmLevel(4)	Integer	RO	Alarm Level none(0), emeg(1), alert(2), crit(3), error(4), warn(5), notice(6), info(7)
			mvd5000AlarmCategory(5)	Integer	RO	Alarm Category none(0), power(1), general(2), inOut(3), video(4), audio(5), ip(6), network(7), pref(8), device(9)
			mvd5000AlarmMessage(6)	DisplayString	RO	Alarm Message SIZE(0..64)
		mvd5000Trap(12)		node	NA	
			mvd5000TrapDateAndTime(1)	DisplayString	RO	Trap Time SIZE(0..19)
			mvd5000TrapEvent(2)	Integer	RO	Trap Event (1..1000)
			mvd5000TrapLevel(3)	Integer	RO	Trap Level none(0), emeg(1), alert(2), crit(3), error(4), warn(5), notice(6), info(7)
			mvd5000TrapCategory(4)	Integer	RO	Trap Category none(0), power(1), general(2), inOut(3), video(4), audio(5), ip(6), network(7), pref(8), device(9)
			mvd5000TrapMessage(5)	DisplayString	RO	Trap Message SIZE(0..64)
		mvd5000TrapsPrefix(13)		node	NA	
			mvd5000Traps(0)	node	NA	

*When the encoder receives SNMP Set Request, all the parameters under PDU will be set and applied. When it finds an error in the request, none of the parameter requested will be applied. One exception is the case where a priority is specified on the object included in the PDU and in such case, only the parameter with highest priority will take effect (and others are ignored.)

Priority	Object Name
1	mvd5000AdminSysRestartDevice
2	mvd5000PrefPresetSelectPreset
3	mvd5000PrefPresetUserPresetRegister
4	mvd5000SapSelectClear
5	mvd5000SapSelectApply
6	mvd5000PassThruControlConnect
7	mvd5000PassThruControlDisconnect

* Smaller number means higher priority

* SNMP timeout may occur when the encoder is too busy to respond by applying the change. Under such circumstance, please retry after a few seconds.

* When a large number of objects are loaded in a PDU and length of that packet exceed MTU size will fail in transmission. Please consider splitting the objects into smaller groups of PDU and submit Set or Get.

*Please refer to "MVD5000 User's Guide".   It gives detailed explanation about each parameter, such as the meanings and its range.

*Parts of parameters are optional. (Please refer to the "MVD5000 User's Guide".)