Reference

Tektronix

WFM700 Series
Waveform Monitors
Management Information Base (MIB)

071-1404-00

This document applies to firmware version 2.4.X.

www.tektronix.com

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Preface

You can use SNMP to remotely control a WFM700 Series instrument over a TCP/IP network. The WFM700 uses a general purpose Management Information Base (MIB) that is shared by several Tektronix video waveform monitors. The MIB can be downloaded from the Tektronix Web site (www.tektronix.com) or from the instrument using the Remote Interface.

This Reference documents the SNMP (MIB) for the WFM700 Series Waveform Monitors. This Reference does not explain how to use SNMP commands over a network, it only explains the objects that make up the MIB. For more information on using the SNMP with the WFM700 Series, refer to the *WFM700 Series Waveform Monitors User Manual*.

About This Manual

This manual is provided only as an Adobe PDF document. It is not available in printed form.

Related Reference Documents

The following reference documents are available:

User Manual This document (Tektronix part number 071-0916-XX) contains the basic operating information about the instrument.

Release Notes This document, Tektronix part number 061-4247-XX, describes both the new features provided by a firmware release and any known problems or behaviors that you might encounter while using the waveform monitor.

Service Manual This document (Tektronix part number 071-0915-XX) contains servicing information for qualified service personnel.

CD-ROM

The following documents are available in PDF format on the *WFM700 Series User Documentation CD-ROM* that is provided on the back cover of this manual. They are also available at the Tektronix, Inc. Web site (www.tektronix.com).

WFM700 Series User Manual. A bookmarked PDF version of the printed User Manual (this document).

WFM700 Series Technical Reference. This reference document provides the following technical information about the instrument:

- Electrical and physical specifications, including a list of certifications and compliances
- Descriptions of each menu selection, the status displays, and the Option DG audio displays
- Instructions for operating the instrument using remote control, including the ground closure, Web server, and SNMP interfaces
- Procedures for checking the basic functions of the instrument, for upgrading the instrument firmware, and for performing the user-service tasks such as cleaning and maintenance, cabinet and rack adapter installation, and module installation or replacement

WFM700 Series MIB Reference. This document.

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Outside North America, contact a Tektronix sales office or distributor; see the Tektronix Web site for a list of offices.

WFM700 Series Waveform Monitors Management Information Base (MIB)

This chapter describes the elements of the MIB used by the WFM700.

Waveform Monitor MIB Definitions

This MIB uses:

- The SNMPv2 Structure of Management Information – SNMPv2–SM
- The SNMPv2 Textual Conventions – SNMPv2–TC (rfc 1903)
- The SNMPv2 Conformance Statements – SNMPv2–CONF (rfc 1904)

The following imports are included:

- Module-Identity, Object-Type, Notification-type, enterprises from SNMPv2-SMI
- DisplayString from SNMPv2-TC
- Module-Compliance, Object Groups from SNMPv2-Conf

Object Descriptions

Descriptions for Group and Table are as follows:

```
tek             OBJECT IDENTIFIER ::= { enterprises 128 }
tvt             OBJECT IDENTIFIER ::= { tek 5 }
tvtproducts     OBJECT IDENTIFIER ::= { tvt 1 }
tvtmibs         OBJECT IDENTIFIER ::= { tvt 2 }
```

The MIB module tables describe the control statements for the WFM700. The management information base tables begin with the MIB Definitions.

Group Descriptions

Descriptions for Groups are as follows:

```
gen             OBJECT IDENTIFIER ::= { wfm-mon 1 }
input           OBJECT IDENTIFIER ::= { wfm-mon 2 }
print           OBJECT IDENTIFIER ::= { wfm-mon 3 }
audioDisp       OBJECT IDENTIFIER ::= { wfm-mon 4 }
wfm             OBJECT IDENTIFIER ::= { wfm-mon 5 }
vec             OBJECT IDENTIFIER ::= { wfm-mon 6 }
arr             OBJECT IDENTIFIER ::= { wfm-mon 7 }
lgt             OBJECT IDENTIFIER ::= { wfm-mon 8 }
dmd             OBJECT IDENTIFIER ::= { wfm-mon 9 }
```

```
pict        OBJECT IDENTIFIER ::= { wfm-mon 10 }
preset      OBJECT IDENTIFIER ::= { wfm-mon 12 }
gamut       OBJECT IDENTIFIER ::= { wfm-mon 13 }
eye         OBJECT IDENTIFIER ::= { wfm-mon 14 }
jitter      OBJECT IDENTIFIER ::= { wfm-mon 15 }
audio       OBJECT IDENTIFIER ::= { wfm-mon 17 }
audiolo     OBJECT IDENTIFIER ::= { wfm-mon 18 }
traps       OBJECT IDENTIFIER ::= { wfm-mon 19 }
alarm       OBJECT IDENTIFIER ::= { wfm-mon 20 }
display     OBJECT IDENTIFIER ::= { wfm-mon 24 }
```

Table 1: General group

Object identifier	Object type
ipAddress	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	IP address of the instrument
::= { gen 1 }	
subNetMask	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Subnet mask of the instrument
::= { gen 2 }	
swVersion	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Software version and creation date
::= { gen 3 }	
fpgaVersions	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Returns Real Time Display (RTD) FPGA version
::= { gen 4 }	

Table 1: General group (Cont.)

Object identifier	Object type
instId	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Instrument name
::= { gen 6 }	
displayModeTable	
SYNTAX	SEQUENCE OF DisplayModeEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for display modes
::= { gen 7 }	
displayModeEntry	
SYNTAX	DisplayModeEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the displayMode table
INDEX	{ currTile}
::= { displayModeTable 1 }	
DisplayModeEntry	
::= SEQUENCE { displayMode INTEGER }	

Table 1: General group (Cont.)

Object identifier	Object type
displayMode	

SYNTAX	INTEGER {
	none(0),
	wfm(1),
	vec(2),
	lightning(3),
	picture(4),
	arrowhead(5),
	diamond(6),
	split-diamond(7)
	status-log(8),
	audio-bars(9),
	audio-liss(10),
	audio-chanstat(11)
	audio-embStatus(12)
	ltc(13)
	timeref(14),
	status-alarm(15),
	status-video(16),
	status-audio(17)
	multi(18)
	eye(19)
	jitter(20)
	data(21)
	bowtie(22)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Display mode in selected tile
::= { displayModeEntry 1 }	
ipConfigMode	

SYNTAX	INTEGER {
	manual(0),
	dhcp(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	IP address configuration mode of the instrument (manual/dhcp)
::= { gen 8 }	

Table 1: General group (Cont.)

Object identifier	Object type
gatewayAddress	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Gateway address for the instrument
::= { gen 9 }	
macAddress	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Ethernet address for the instrument
::= { gen 10 }	
snmpPublicCommStr	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Public community string required to send SNMP GET requests to the instrument. This is write-only. Any read to this OID will return an error.
::= { gen 11 }	
snmpPrivateCommStr	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Private community string required to send SNMP SET/GET requests to the instrument. This is write-only. Any read to this OID will return an error.
::= { gen 12 }	
webAccess	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable web access to the instrument
::= { gen 13 }	

Table 1: General group (Cont.)

Object identifier	Object type
timeOfDay	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Returns time of day. Format is of the form: TUE SEP 16 18:10:17 2003
::= { gen 14 }	
viewDiagLog	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Command to view the diagnostics log. This is write-only. Any read to this OID will return an error.
::= { gen 15 }	

Table 2: Input group

Object identifier	Object type
videoIn	
SYNTAX	INTEGER (sdi-1A(0), sdi-1B(1), sdi-2A(2), sdi-2B(3), cpst-A(4), cpst-B(5))
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Current video input source. Note that cpst-A(4) and cpst-B(5) are not applicable.
::= { input 1 }	

Table 2: Input group (Cont.)

Object identifier	Object type
sdiInStd	
SYNTAX	INTEGER (inp-autosel(0), inp-ntsc(1) inp-pal(2) inp-1080i-59-94(3), inp-1080i-60(4), inp-720p-59-94(5), inp-1080p-23-98(6), inp-1080p-24(7), inp-1080p-30(8), inp-1080p-29-97(9), inp-1080p-25(10), inp-1080i-50(11), inp-1035i-60(12), inp-1035i-59-94(13), inp-1080sf-24(14), inp-1080sf-2398(15), inp-720p-24(16), inp-720p-23-98(17), inp-720p-60(18), inp-720p-50(19),)
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Current input signal standard selected
::= { input 2 }	
refSrc	

SYNTAX	INTEGER {
	internal(0),
	external(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Current reference source (Internal/External)
::= { input 4 }	

Table 2: Input group (Cont.)

Object identifier	Object type
refInStd	

SYNTAX	INTEGER {
	auto(0),
	ntsc(1),
	pal(2),
	std-1080i-59-94(3),
	std-1080i-60(4),
	std-720p-59-94(5),
	std-1080p-23-98(6),
	std-1080p-24(7)
	std-1080i-50(8)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	External reference input standard
::= { input 5 }	
refLocked	

SYNTAX	INTEGER {
	locked(0),
	unlocked(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Reference input status - locked/unlocked
::= { input 6 }	
sdiSetup	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Turn on/off pseudo composite setup and arrowhead display
::= { input 7 }	
extRefStdDet	
SYNTAX	OCTET STRING
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report current external reference standard detected
::= { input 8 }	

Table 2: Input group (Cont.)

Object identifier	Object type
inpSigStdDet	
SYNTAX	OCTET STRING
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report current input signal standard detected
::= { input 9 }	
ancTimeCode	
SYNTAX	OCTET STRING
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report ANC time code presence reading
::= { input 10 }	
activeTimeCode	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Active time code value
::= { input 11 }	
timeCodeSrc	

SYNTAX	INTEGER {
	none(0),
	ltc(1),
	vitc(2),
	atc(3),
	auto(4),
	off(5)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Active time code source (LTC/VITC)
::= { input 12 }	
vitcPresent	
SYNTAX	OCTET STRING
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report VITC presence/reading
::= { input 14 }	

Table 2: Input group (Cont.)

Object identifier	Object type
timeCodePresent	

SYNTAX	INTEGER {
	false(0),
	true(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Time code is present or not (VITC/LTC)
::= { input 15 }	
closedCaptionPresent	

SYNTAX	INTEGER {
	cc-absent(0),
	cc-absent(1),
	cc-status-unknown(2)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report closed caption presence
::= { input 16 }	
closedCaptionType	

SYNTAX	INTEGER {
	cc-type-absent(0),
	cc-type-line-21(1),
	cc-type-eia-608(2),
	cc-type-eia-708(3),
	cc-type-arib(4),
	cc-type-teletext(5)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Report closed caption type
::= { input 17 }	

Table 2: Input group (Cont.)

Object identifier	Object type
lineSelectEnable	

SYNTAX	INTEGER {
	off(0),
	tile1(1),
	tile2(2),
	tile3(3),
	tile4(4)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable line select for the specified tile
::= { input 18 }	
lineSelect	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Select line number
::= { input 19 }	
fieldSelect	

SYNTAX	INTEGER {
	all(0)
	f1(1),
	f2(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Select fields (0 means all fields)
::= { input 20 }	
sdiStripEavSav	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI input Strip EAV/SAV/ANC status
::= { input 21 }	

Table 2: Input group (Cont.)

Object identifier	Object type
sdiChroma	

SYNTAX	INTEGER {
	offset(0),
	align(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI chroma status
::= { input 22 }	
gcGrndClosurePort	

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/Disable ground closure port
::= { input 23 }	

Table 3: Display group

Object identifier	Object type
currTile	

SYNTAX	INTEGER {
	tile1(0),
	tile2(1)
	tile3(2)
	tile4(3)
	}

MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Currently selected tile
::= { display 1 }	
gratIntensity	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Graticule intensity
::= { display 2 }	

Table 3: Display group (Cont.)

Object identifier	Object type
rdOutIntensity	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Readout intensity
::= { display 3 }	
gratColor	

SYNTAX	INTEGER {
	gold(0),
	blue(1),
	red(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Graticule color
::= { display 4 }	
wfmColor	

SYNTAX	INTEGER {
	green(0),
	white(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform color
::= { display 6 }	
wfmIntensity	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform intensity
::= { display 7 }	

Table 3: Display group (Cont.)

Object identifier	Object type
panelBacklight	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Front panel backlight enable
::= { display 11 }	
lcdBklitIntensity	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	LCD backlight intensity level (5-100) in multiples of 5
::= { display 13 }	
pictBrtupRgbGamut	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture brightup on RGB gamut error
::= { display 14 }	
pictBrtupCmpstGamut	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture brightup on composite gamut error
::= { display 15 }	

Table 3: Display group (Cont.)

Object identifier	Object type
pictBrtupLumaGamut	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture brightup on luma gamut error
::= { display 17 }	
freezeTable	
SYNTAX	Sequence of FreezeEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for freeze display modes
::= { display 18 }	
freezeEntry	
SYNTAX	FreezeEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the freeze table
INDEX	{ currTile }
::= { freezeTable 1 }	
FreezeEntry	

::= SEQUENCE {
freeze INTEGER
freezeDelete INTEGER
freezeDisplayMode INTEGER
}	

freeze	

SYNTAX	INTEGER {
	off(0)
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Activate the freeze in respective tiles, this is a trigger
::= { freezeEntry 1 }	

Table 3: Display group (Cont.)

Object identifier	Object type
freezeDelete	

SYNTAX	INTEGER {
	off(0)
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Delete the freeze in respective tiles, this is a trigger
::= { freezeEntry 2 }	
freezeDisplayMode	

SYNTAX	INTEGER {
	live(0)
	frozen(1)
	both(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Freeze display mode in selected tile
::= { freezeEntry 3 }	
displayThumbnail	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Display thumbnail picture
::= { display 19 }	

Table 4: Print group

Object identifier	Object type
printIpAddr	
SYNTAX	OCTET STRING
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	IP address of the network printer being used for printing
::= { print 1 }	
printIfType	

SYNTAX	INTEGER {
	network(0)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Specifies printer interface
::= { print 2 }	
printPaperSz	

SYNTAX	INTEGER {
	a4(0)
	letter(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Paper size being used on the printer (A4 or letter)
::= { print 3 }	
printOrientn	

SYNTAX	INTEGER {
	landscape(0)
	portrait(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Print orientation on the printer (landscape or portrait)
::= { print 4 }	

Table 4: Print group (Cont.)

Object identifier	Object type
printFmt	

SYNTAX	INTEGER {
	postscript(0)
	postscript-color(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Print format on the printer (PostScript)
::= { print 5 }	
printStart	

SYNTAX	INTEGER {
	start(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Start printing on the selected printer (write-only). Any read to this OID will return an error.
::= { print 8 }	
printInksaver	

SYNTAX	INTEGER {
	off(0)
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Print using the minimal amount of black ink
::= { print 9 }	
printLpdQueueName	
SYNTAX	DisplayString (SIZE (1..16))
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	The name of the LPD print server (specified by “printIpAddr”)
::= { print 10 }	

Table 5: AudioDisp group

Object identifier	Object type
audBallistic	

SYNTAX	INTEGER {
	truePeak(0),
	ppm(1),
	ppm(2)
	vu(3)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Meter ballistic selection for digital audio: True Peak, PPM, or VU
::= { audioDisp 2 }	
audPkHold	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Hold time for digital audio peak level indicator (in seconds)
::= { audioDisp 3 }	
audOverLvl	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Threshold level for over-volume detection (in dB)
::= { audioDisp 7 }	
audOverTm	
SYNTAX	INTEGER}
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Over volume duration threshold (in seconds)
::= { audioDisp 8 }	
audSilenceLvl	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Silence level (in dB)
::= { audioDisp 9 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audSilenceTm	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Silence duration threshold (in seconds)
::= { audioDisp 10 }	
audProgLvl	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Peak program level (in dB). Note: controls boundary between Yellow and Red on level meter.
::= { audioDisp 11 }	
audTestLvl	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Test level (in dB). Note: controls boundary between Green and Yellow on level meter.
::= { audioDisp 12 }	
audZeroDbMark	

SYNTAX	INTEGER {
	dBFS(0),
	peak-level(1),
	test-level(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital audio Zero dB mark at one of the three settings: dB full scale, peak program level, or test level
::= { audioDisp 15 }	
audMeterNum	
SYNTAX	INTEGER
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Audio level meter number
::= { audioDisp 16 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audLvlTable	
SYNTAX	SEQUENCE OF AudLvlEntry
MAX-ACCESS	non-accessible
STATUS	current
DESCRIPTION	Table for Digital Audio level, clip/mute count, active bits sample rate, silence/over count OIDs
::= { audioDisp 17 }	
audLvlEntry	
SYNTAX	AudLvlEntry
MAX-ACCESS	non-accessible
STATUS	current
DESCRIPTION	A row in the audio level table
INDEX	{ audMeterNum }
::= { audLvlTable 1 }	

AudLvlEntry	::= SEQUENCE {
	audLevel INTEGER
	audClipCount INTEGER
	audMuteCount INTEGER
	audActBits INTEGER
	audSampleRt INTEGER
	
	}

audLevel	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Returns the level of the Digital Audio in 0.01 dBFS, multiply by 100 to get dBFS
::= { audLvlEntry 1 }	
audClipCount	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Clip count
::= { audLvlEntry 2 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audMuteCount	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Digital mute count
::= { audLvlEntry 3 }	
audActBits	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Active bits
::= { audLvlEntry 4 }	
audSampleRt	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Sample rate of an AES input stream
::= { audLvlEntry 5 }	
audIgnoreValidBit	

SYNTAX	INTEGER {
	off(0)
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable detection of valid bit in AES status block
::= { audioDisp 18 }	
audPkHoldSeg	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable for the Peak Hold Segment on the Digital Level Meters
::= { audioDisp 19 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audLvlMtrScale	

SYNTAX	INTEGER {
	normal(0),
	custom(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio level meter scale display mode (in UI)
::= { audioDisp 20 }	
audLvlMtrHeight	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital audio meter scale top when it is in custom mode (in UI)
::= { audioDisp 21 }	
audLvlMtrOffset	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital audio meter scale offset when it is in custom mode (in UI)
::= { audioDisp 22 }	
audLissAGC	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital audio Lissajous AGC enable
::= { audioDisp 23 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audSessionCtrl	

SYNTAX	INTEGER {
	reset(0),
	stop(1)
	run(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital audio session control
::= { audioDisp 24 }	
audEmbStat	

SYNTAX	INTEGER {
	absent(0),
	present(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Embedded audio status (present or not present)
::= { audioDisp 26 }	
audLevelMeter	

SYNTAX	INTEGER {
	lvl-5-1(2),
	lvl-7-1(3)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Configure number of level meter bars to display
::= { audioDisp 27 }	
audChannel Count	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Reports the number of embedded audio channels present in the currently selected video stream
::= { audioDisp 28 }	

Table 5: AudioDisp group (Cont.)

Object identifier	Object type
audConfigAesBnc	

SYNTAX	INTEGER {
	input(0),
	output(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Configures the AES BNCs as outputs or inputs
::= { audioDisp 29 }	
audInputType	

SYNTAX	INTEGER {
	embedd-auto(1),
	embedded-1(2),
	embedded-2(3),
	external(4)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Current audio input type
::= { audioDisp 30 }	
audChannelNum	
SYNTAX	INTEGER {1..8}
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Currently selected channel number
::= { audio 31 }	

Table 6: Waveform mode group

Object identifier	Object type
wfmTable	
SYNTAX	SEQUENCE OF WfmEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for waveform display mode
::= { wfm 1 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmEntry	
SYNTAX	WfmEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the waveform table
INDEX	{ currTile }
::= { wfmTable 1 }	

```
WfmEntry ::= SEQUENCE {
        wfmMode                 INTEGER,
        wfmFilterCpst           INTEGER,
        wfmFilterYcbcr          INTEGER,
        wfmFilterRgb            INTEGER,
        wfmFilterYrgb           INTEGER,
        wfmColorSpace           INTEGER,
        wfmChromaOffset         INTEGER,
        wfmChannelEnable        INTEGER,
        wfmYCbCrChanEnable      DisplayString,
        wfmYRGBChanEnable       DisplayString,
        wfmRGBChanEnable        DisplayString,
        wfmSweepMode            INTEGER,
        wfmGainMode             INTEGER,
        wfmVarGainEnable        INTEGER,
        wfmVarGain              DisplayString,
        wfmCursorMode           INTEGER,
        wfmCursorActive         INTEGER,
        wfmCursorHPos           INTEGER,
        wfmCursorVPos           INTEGER,
        wfmCursorH1Pos          DisplayString,
        wfmCursorH2Pos          DisplayString,
        wfmCursorV1Pos          DisplayString,
        wfmCursorV2Pos          DisplayString,
        wfmCursorHDelta         DisplayString,
        wfmCursorVDelta         DisplayString,
        wfmHorPos               DisplayString,
        wfmVertPos              DisplayString,
        wfmHMag                 INTEGER,
        wfmCenter               INTEGER
}
```

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmMode	

SYNTAX	INTEGER {
	parade(0),
	overlay(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform display mode
::= { wfmEntry 1 }	
wfmFilterCpst	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform filter for Composite display mode
::= { wfmEntry 2 }	
wfmFilterYcbcr	

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform filter for YCbCr display mode
::= { wfmEntry 3 }	
wfmFilterRgb	

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform filter for RGB display mode
::= { wfmEntry 4}	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmFilterYrgb	

SYNTAX	INTEGER {
	flat(0),
	lowpass(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform filter for YRGB display mode
::= { wfmEntry 5 }	
wfmColorSpace	

SYNTAX	INTEGER {
	none(0),
	composite(1)
	ycbcr(2),
	rgb(3),
	yrgb(4)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform color space: none(0), composite(1), ycbcr(2), rgb(3), yrgb(4)
::= { wfmEntry 6 }	
wfmChromaOffset	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform chroma offset
::= { wfmEntry 7 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmChannelEnable	

SYNTAX	INTEGER {
	y(1),
	cb(2),
	cr(3),
	yCb(4),
	yCr(5),
	cbCr(6),
	yCbCr(7),
	r(8),
	g(9),
	b(10),
	rg(11),
	rb(12),
	gb(13),
	rgb(14),
	yr(15),
	yb(16),
	yg(17),
	yrg(18),
	ygb(19),
	yrb(20),
	yrgb(21)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform components enabled for view
::= { wfmEntry 8 }	
wfmYCbCrChanEnable	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform components enabled in YCbCr color space. Possible values: Y, Cb, Cr, YCb, YCr, CbCr, YCbCr
::= { wfmEntry 9 }	
wfmYRGBChanEnable	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform components enabled in YRGB color space. Possible values: Y, R, G, B, YR, YG, YB, RG, RB, GB, YRG, YRB, YGB, RGB, YRGB
::= { wfmEntry 10 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmRGBChanEnable	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform components enabled in YRGB color space. Possible values: R, G, B, RG, GB, RB, RGB
::= { wfmEntry 11 }	
wfmSweepMode	

SYNTAX	INTEGER {
	h1(1),
	h2(2),
	f1(3)
	f2(4)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform sweep mode
::= { wfmEntry 12 }	
wfmGainMode	

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform fixed gain value
::= { wfmEntry 13 }	
wfmVarGainEnable	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform variable gain
::= { wfmEntry 14 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmVarGain	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform variable gain
::= { wfmEntry 15 }	
wfmCursorMode	

SYNTAX	INTEGER {
	volt(0),
	time(1),
	voltAndTime(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Set waveform cursor mode
::= { wfmEntry 16 }	
wfmCursorActive	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform cursors
::= { wfmEntry 17 }	
wfmCursorH	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform horizontal (time cursors)
::= { wfmEntry 18 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmCursorV	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform vertical (voltage cursors)
::= { wfmEntry 19 }	
wfmCursorH1Pos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Position of the first horizontal cursor in the waveform display
::= { wfmEntry 20 }	
wfmCursorH2Pos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Position of the second horizontal cursor in the waveform display
::= { wfmEntry 21 }	
wfmCursorV1Pos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Position of the first vertical cursor in the waveform display
::= { wfmEntry 22 }	
wfmCursorV2Pos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Position of the second vertical cursor in the waveform display
::= { wfmEntry 23 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmCursorHDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Distance between horizontal cursors
::= { wfmEntry 24 }	
wfmCursorVDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Distance between vertical cursors
::= { wfmEntry 25 }	
wfmHorPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform horizontal position
::= { wfmEntry 26 }	
wfmVertPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform vertical position
::= { wfmEntry 27 }	
wfmHMag	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Waveform horizontal magnification (Off/On)
::= { wfmEntry 28 }	

Table 6: Waveform mode group (Cont.)

Object identifier	Object type
wfmCenter	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Center waveform; write-only. Any read to this OID will return an error.
::= { wfmEntry 29 }	

Table 7: Arrowhead group

Object identifier	Object type
arrTable	
SYNTAX	SEQUENCE OF ArrEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for arrowhead display mode
::= { arr 1 }	
arrEntry	
SYNTAX	ArrEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the arrowhead table
INDEX	{ currTile }
::= { arrTable 1 }	

ArrEntry ::= SEQUENCE {
arrMode INTEGER
}	

Table 7: Arrowhead group (Cont.)

Object identifier	Object type
arrMode	

SYNTAX	INTEGER {
	normal(0),
	setup(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Arrowhead display mode: normal/setup
::= { arrEntry 1 }	

Table 8: Lightning group

Object identifier	Object type
lgtTable	
SYNTAX	SEQUENCE OF LgtEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for lightning display mode
::= { lgt 1 }	
lgtEntry	
SYNTAX	LgtEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the lightning table
INDEX	{ currTile }
::= { lgtTable 1 }	

```
LgtEntry ::= SEQUENCE {
                lgtHorPos           DisplayString,
                lgtVertPos          DisplayString,
                lgtHorGain          INTEGER,
                lgtVertGain         INTEGER,
                lgtVarHGainEnable   INTEGER,
                lgtVarHorGain       DisplayString,
                lgtVarVGainEnable   INTEGER,
                lgtVarVertGain      DisplayString
                lgtCenter           INTEGER
}
```

Table 8: Lightning group (Cont.)

Object identifier	Object type
lgtHorPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Lightning horizontal position
::= { lgtEntry 1 }	
lgtVertPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Lightning vertical position
::= { lgtEntry 2 }	
lgtHorGain	

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Lightning fixed horizontal gain
::= { lgtEntry 3 }	
lgtVertGain	

SYNTAX	INTEGER {
	gain-x1(0),
	gain-x5(1),
	gain-x10(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Lightning fixed vertical gain
::= { lgtEntry 4 }	

Table 8: Lightning group (Cont.)

Object identifier	Object type
lgtVarHGainEnable	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable lightning horizontal variable gain
::= { lgtEntry 5 }	
lgtVarHorGain	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Variable horizontal (chroma) gain (0.25 to 14)
::= { lgtEntry 6 }	
lgtVarVGainEnable	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable lightning vertical variable gain
::= { lgtEntry 7 }	
lgtVarVertGain	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Variable vertical (luma) gain (0.25 to 14)
::= { lgtEntry 8 }	
lgtCenter	
SYNTAX	INTEGER
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Center waveform in lightning mode
::= { lgtEntry 9 }	

Table 9: Diamond group

Object identifier	Object type
dmdTable	
SYNTAX	SEQUENCE OF DmdEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for diamond display mode
::= { dmd 1 }	
dmdEntry	
SYNTAX	DmdEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the diamond table
INDEX	{ currTile }
::= { dmdTable 1 }	
DmdEntry ::= SEQUENCE { dmdMode INTEGER }	
dmdMode	
SYNTAX	INTEGER { diamond(0), split-diamond(1) }
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Diamond display mode (Diamond/Split-diamond)
::= { dmdEntry 1 }	

Table 10: Picture mode group

Object identifier	Object type
pictTable	
SYNTAX	SEQUENCE OF PictEntry
MAX-ACCESS	not accessible
STATUS	current
DESCRIPTION	Table for picture display mode
::= { pict 1 }	

Table 10: Picture mode group (Cont.)

Object identifier	Object type
pictEntry	
SYNTAX	PictEntry
MAX-ACCESS	not accessible
STATUS	current
DESCRIPTION	A row in the picture table
INDEX	{ currTile }
::= { pictTable 1 }	
pixMonOpColSpaceSD	

SYNTAX	INTEGER {
	yCbCr(1),
	rgb(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture monitor output color space for SD
::= { pict 2 }	
pixMonOpColSpaceHD	

SYNTAX	INTEGER {
	yCbCr(1),
	rgb(2)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Picture monitor output color space for HD
::= { pict 3 }	

Table 11: Presets group

Object identifier	Object type
presetLoad	
SYNTAX	INTEGER {1..42}
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Recall/Load the selected preset (Valid preset values are from 1 to 42). This is write-only. Any read to this OID will return an error.
::= { preset 1 }	

Table 11: Presets group (Cont.)

Object identifier	Object type
presetSave	
SYNTAX	INTEGER {1..42}
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Save the current settings as one of the user presets (1 to 42). This is write-only. Any read to this OID will return an error.
::= { preset 2 }	
presetRemove	
SYNTAX	INTEGER {1..42}
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Remove the selected preset (1 to 42). This is write-only. Any read to this OID will return an error.
::= { preset 3 }	

Table 12: Gamut group

Object identifier	Object type
dmdThrHigh	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Upper threshold (mV)
::= { gamut 1 }	
dmdThrLow	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Lower threshold (mV)
::= { gamut 2 }	

Table 12: Gamut group (Cont.)

Object identifier	Object type
dmdThrArea	
SYNTAX	INTEGER (0..10)
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Diamond threshold area (%)
::= { gamut 3 }	
arrNtscThrHigh	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Upper threshold of NTSC composite signal (IRE units)
::= { gamut 4 }	
arrPalThrHigh	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Upper threshold of PAL composite signal (mV)
::= { gamut 6 }	
arrThrArea	
SYNTAX	INTEGER
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Arrowhead threshold area (%)
::= { gamut 12 }	
rgbGamut	

SYNTAX	INTEGER {
	notPresent(0),
	present(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	RGB gamut error condition is present or not.
::= { gamut 15 }	

Table 12: Gamut group (Cont.)

Object identifier	Object type
cpstGamut	

SYNTAX	INTEGER {
	notPresent(0),
	present(1)
	}

MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Composite gamut error condition is present or not
::= { gamut 16 }	

Table 13: Eye group

Object identifier	Object type
eyeHorPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye horizontal position
::= { eye 1 }	
eyeVertPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye vertical position
::= { eye 2 }	
eyeTimeCursor1	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor H1 position
::= { eye 3 }	

Table 13: Eye group (Cont.)

Object identifier	Object type
eyeTimeCursor2	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor H2 position
::= { eye 4 }	
eyeVCursor1	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor V1 position
::= { eye 5 }	
eyeVCursor2	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor V2 position
::= { eye 6 }	
eyeCursorTDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Eye cursor H delta
::= { eye 7 }	
eyeCursorVDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Eye cursor V delta
::= { eye 8 }	

Table 13: Eye group (Cont.)

Object identifier	Object type
enEyeCursorH	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform horizontal (time) cursors
::= { eye 9 }	
enEyeCursorV	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform vertical (voltage) cursors
::= { eye 10 }	
eyeFilterBw	

SYNTAX	INTEGER {
	bw10Hz(1),
	bw100Hz(2),
	bw1KHz(3)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye filter bandwidth
::= { eye 11 }	

Table 14: Jitter group

Object identifier	Object type
jitHorPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter horizontal position
::= { jitter 1 }	
jitVertPos	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter vertical position
::= { jitter 2 }	
jitTimeCursor1	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor 1 time position
::= { jitter 3 }	
jitTimeCursor2	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor 2 time position
::= { jitter 4 }	
jitVCursor1	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor V1 position
::= { jitter 5 }	
jitVCursor2	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Eye cursor V2 position
::= { jitter 6 }	

Table 14: Jitter group (Cont.)

Object identifier	Object type
jitCursorTDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Eye cursor time delta
::= { jitter 7 }	
jitCursorVDelta	
SYNTAX	DisplayString
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Eye cursor V delta
::= { jitter 8 }	
jitCursorH	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform horizontal (time) cursors
::= { jitter 9 }	
jitCursorV	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Enable/disable waveform vertical (voltage) cursors
::= { jitter 10 }	

Table 14: Jitter group (Cont.)

Object identifier	Object type
jitHpfBw	

SYNTAX	INTEGER {
	bw10Hz(1),
	bw1KHz(3),
	bw10KHz(4),
	bw100KHz(5),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter high-pass filter bandwidth
::= { jitter 11 }	
jitMeasurement	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter measurement in PS and UI
::= { jitter 12 }	
jitVarGain	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter variable gain
::= { jitter 13 }	
jitVarGainEnable	

SYNTAX	INTEGER {
	disable(0),
	enable(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Jitter variable gain enable/disable
::= { jitter 14 }	

Table 15: Audio group

Object identifier	Object type
audTable	
SYNTAX	SEQUENCE OF AudioEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for audio mode
::= { audio 1 }	
audEntry	
SYNTAX	AudEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the audio table
INDEX	{ currTile }
::= { audTable 1 }	
AudEntry ::= SEQUENCE {	
audPhaseDisplay INTEGER,	
audPhaseStyle INTEGER,	
audPhasePair INTEGER,	
audInput INTEGER	
}	
audPhaseDisplay	
SYNTAX	INTEGER { off(0), on(1) }
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio phase display - on/off
::= { audEntry 1 }	
audPhaseStyle	
SYNTAX	INTEGER { sound-stage(0), xy(1) }
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio phase style - SoundStage Lissajous or xyLissajous
::= { audEntry 2 }	

Table 15: Audio group (Cont.)

Object identifier	Object type
audPhasePair	

SYNTAX	INTEGER {
	pair1-2(0),
	pair3-4(1),
	pair5-6(2),
	pair7-8(3),
	pairCustom(4)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio channel pair to monitor in phase display
::= { audEntry 3 }	
audInput	

SYNTAX	INTEGER {
	aesA(3),
	embedded(5)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Current Audio Input source
::= { audEntry 4 }	

Table 16: Audio input/output group

Object identifier	Object type
audAESportBout	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Set AES port B output active when embedded audio is the active audio source
::= { audioIo 1 }	

Table 16: Audio input/output group (Cont.)

Object identifier	Object type
audAES-A-Format	

SYNTAX	INTEGER {
	pairs(0),
	surround(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Meter format for AES Input A
::= { audioIo 4 }	
audEmbed-A-Format	

SYNTAX	INTEGER {
	pairs(0),
	surround (1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Meter format for Embedded Input A
::= { audioIo 6 }	
levelMeters	

SYNTAX	INTEGER {
	barPair1(0),
	barPair2(1),
	barPair3(2),
	barPair4(3)
	}

MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Level meter pair number. This is used as index in table.
::= { audioIo 8 }	
audBarInTable	
SYNTAX	SEQUENCE OF AudBarInEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for Bar to Audio source input map
::= { audioIo 9 }	

Table 16: Audio input/output group (Cont.)

Object identifier	Object type
audBarInEntry	
SYNTAX	AudBarInEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the audBarInTable
INDEX	{ levelMeters }
::= { audBarInTable 1 }	

AudBarInEntry ::= SEQUENCE {
audAES-A-BarInput INTEGER,
audEmbed-A-BarInput INTEGER,
}	

audAES-A-BarInput	

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Bar to Audio AES A input map
::= { audBarInEntry 1 }	
audEmbed-A-BarInput	

SYNTAX	INTEGER {
	none(0),
	pair1(1),
	pair2(2),
	pair3(3),
	pair4(4),
	pair5(5),
	pair6(6),
	pair7(7),
	pair8(8),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Bar to Audio Embedded A input map
::= { audBarInEntry 3 }	

Table 16: Audio input/output group (Cont.)

Object identifier	Object type
audBarOutTable	
SYNTAX	SEQUENCE OF AudBarOutEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for Audio output to bar map
::= { audioIo 13 }	
audBarOutEntry	
SYNTAX	AudBarOutEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the audBarOutTable
INDEX	{ analogOutputs }
::= { audBarOutTable 1 }	
AudBarOutEntry	
::= SEQUENCE {	
audAES-A-BarOutput INTEGER,	
audAES-B-BarOutput INTEGER,	
audAna-A-BarOutput INTEGER,	
audAna-B-BarOutput INTEGER,	
audEmbed-A-BarOutput INTEGER,	
audEmbed-B-BarOutput INTEGER	
}	
audAES-A-ActvChannels	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Active channel selections for AES A
::= { audioIo 19 }	
audEmbed-A-ActvChannels	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Active channel selections for Embedded A
::= { audioIo 23 }	

Table 16: Audio input/output group (Cont.)

Object identifier	Object type
audEmbInputChannelGroup	

SYNTAX	INTEGER {
	none(0),
	embGroup1-2(1),
	embGroup3-4(2),
	embGroup1-3(3),
	embGroup2-4(4),
	embGroup1-4(5),
	embGroup2-3(6),
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Selected embedded audio input channels group
::= { audioIo 25 }	

Table 17: Traps group

Object identifier	Object/Notification type
trapDestNum	
SYNTAX	INTEGER {0..3}
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Trap destination index number
::= { traps 1 }	
Table { index varies from 0 to 4 }	
trapReport	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Disable/Enable trap reporting
::= { traps 2 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
trapDestnTable	
SYNTAX	SEQUENCE OF TrapDestnEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	Table for trapDestn Address
::= { traps 3 }	
trapDestnEntry	
SYNTAX	TrapDestnEntry
MAX-ACCESS	not-accessible
STATUS	current
DESCRIPTION	A row in the trapDestn address table
INDEX	{ trapDestnNum }
::= { trapDestnTable 1 }	
TrapDestnEntry ::= SEQUENCE { trapDestn }	DisplayString
trapDestn	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Destination IP Address for traps
::= { trapDestnEntry 1 }	
trapInfo	
SYNTAX	DisplayString
MAX-ACCESS	accessible-for-notify
STATUS	current
DESCRIPTION	Information sent along with the trap. (This OID is not accessible to GET/GETNEXT/SET requests.)
::= { traps 4 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
alarmType	

SYNTAX	INTEGER {
	alarm(0),
	alarmStart(1),
	alarmEnd(2)
	}

MAX-ACCESS	accessible-for-notify
STATUS	current
DESCRIPTION	Alarm type
::= { traps 5 }	
sdiSigLossTrap	
STATUS	current
DESCRIPTION	Video signal missing
::= { trapPrefix 1 }	
sdiEdhTrap	
STATUS	current
DESCRIPTION	EDH Errors
::= { trapPrefix 2 }	
sdiFFCrcTrap	
STATUS	current
DESCRIPTION	EDH Errors in Full Field
::= { trapPrefix 3 }	
sdiAPCrcTrap	
STATUS	current
DESCRIPTION	EDH Errors in Active Picture
::= { trapPrefix 4 }	
sdiAesChksumTrap	
STATUS	current
DESCRIPTION	AES audio checksum errors
::= { trapPrefix 5 }	
sdiAudioMissTrap	
STATUS	current
DESCRIPTION	Embedded audio channel missing errors
::= { trapPrefix 8 }	
refMissTrap	
STATUS	current
DESCRIPTION	Reference Input missing
::= { trapPrefix 11 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
audSigLockTrap	
STATUS	current
DESCRIPTION	Change in the presence of a signal on one or more audio input pairs
::= { trapPrefix 12 }	
audValidTrap	
STATUS	current
DESCRIPTION	Incorrectly set VALID bit on one or more AES audio inputs
::= { trapPrefix 14 }	
audParityTrap	
STATUS	current
DESCRIPTION	Parity errors on one or more AES audio inputs
::= { trapPrefix 15 }	
audSlipTrap	
STATUS	current
DESCRIPTION	Slipped samples on one or more AES audio inputs
::= { trapPrefix 16 }	
audClipTrap	
STATUS	current
DESCRIPTION	Signal clipping on one or more of the audio input channels
::= { trapPrefix 17 }	
audOverTrap	
STATUS	current
DESCRIPTION	Signals are over the volume threshold for one or more of the audio input channels
::= { trapPrefix 18 }	
audMuteTrap	
STATUS	current
DESCRIPTION	Digital mutes on one or more of the audio input channels
::= { trapPrefix 19 }	
audSilenceTrap	
STATUS	current
DESCRIPTION	Extended period of silence on one or more of the audio input channels
::= { trapPrefix 20 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
refUnlockedTrap	
STATUS	current
DESCRIPTION	External reference unlocked
::= { trapPrefix 24 }	
sdiUnlockedTrap	
STATUS	current
DESCRIPTION	SDI input unlocked
::= { trapPrefix 26 }	
gamutRgbTrap	
STATUS	current
DESCRIPTION	RGB Gamut error
::= { trapPrefix 29 }	
gamutCompositeTrap	
STATUS	current
DESCRIPTION	Composite Gamut error
::= { trapPrefix 30 }	
gamutLumaTrap	
STATUS	current
DESCRIPTION	Luma Gamut error
::= { trapPrefix 31 }	
refVideoTrap	
STATUS	current
DESCRIPTION	Reference video error
::= { trapPrefix 32 }	
ccPresenceTrap	
STATUS	current
DESCRIPTION	Closed caption presence error
::= { trapPrefix 35 }	
ancPresenceTrap	
STATUS	current
DESCRIPTION	Ancillary data presence error
::= { trapPrefix 36 }	
ancParityTrap	
STATUS	current
DESCRIPTION	Ancillary data parity error
::= { trapPrefix 38 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
ancChecksumTrap	
STATUS	current
DESCRIPTION	Ancillary data checksum error
::= { trapPrefix 39 }	
sdiCodeTrap	
STATUS	current
DESCRIPTION	SDI code word violation error
::= { trapPrefix 40 }	
sdiFieldTrap	
STATUS	current
DESCRIPTION	SDI field error
::= { trapPrefix 42 }	
sdiLineTrap	
STATUS	current
DESCRIPTION	SDI line error
::= { trapPrefix 43 }	
sdiHdLineTrap	
STATUS	current
DESCRIPTION	SDI HD line error
::= { trapPrefix 44 }	
sdiNoSavTrap	
STATUS	current
DESCRIPTION	SDI no SAV error
::= { trapPrefix 46 }	
sdiBadCrcYTrap	
STATUS	current
DESCRIPTION	SDI bad CRC Y error
::= { trapPrefix 48 }	
sdiBadCrcCTrap	
STATUS	current
DESCRIPTION	SDI bad CRC C error
::= { trapPrefix 49 }	
inputSigNotHDTrap	
STATUS	current
DESCRIPTION	Input signal not HD error
::= { trapPrefix 55 }	

Table 17: Traps group (Cont.)

Object identifier	Object/Notification type
fmtChangeTrap	
STATUS	current
DESCRIPTION	Format change error
::= { trapPrefix 56 }	

Table 18: Alarm configuration group

Object identifier	Object type
alarmMute	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Suspend sending alarms to Beep, SNMP, Ground closure, and Pop-up
::= { alarm 1 }	
alarmEnable	

SYNTAX	INTEGER {
	off(0),
	on(1)
	}

MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Disable/Enable all alarms without changing individual settings
::= { alarm 2 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiSigLoss	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI input signal loss alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 3 }	
sdiBadEdh	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	RP165 EDH status alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 4 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
gamutRgb	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Gamut RGB alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 5 }	
gamutComposite	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Gamut composite alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 6 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
refMissing	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	External reference signal missing alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 8 }	
audioClip	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio signal clipping alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 11 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
audioMute	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Digital mute alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 12 }	
audioOver	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Over the volume threshold alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 13 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
audioSilence	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Audio silence alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 14 }	
audSigLock	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	AES audio signal unlocked alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 15 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
audioCrc	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	CRC errors in AES audio alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 16 }	
audValidBit	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Incorrect VALID bit in AES input alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 17 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
audParity	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Parity error in AES input alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 18 }	
eAudStreamMissing	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Embedded audio missing alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 19 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
refUnlocked	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	External Reference format mismatch alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 23 }	
sdiUnlocked	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Video format mismatch alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 25 }	
alarmStatus	
SYNTAX	INTEGER
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Whether alarm condition exists in the instrument (non-zero → alarm condition)
::= { alarm 30 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
fmtChange	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Video format change alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 31 }	
refVideo	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Video Reference format change alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 32 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
ccPresence	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Closed caption presence alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 35 }	
ancPresence	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Ancillary data presence alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 36 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
ancParity	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Ancillary data parity alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 38 }	
ancChecksum	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Ancillary data checksum alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 39 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiCode	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI code alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 40 }	
sdiField	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI field length error alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 42 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiLine	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI line length error alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 43 }	
sdiHdLine	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	292M Line Mismatch alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 44 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiNoSav	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SDI SAV placement alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 46 }	
sdiBadCrcY	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SMPTE292 Y CRC alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 48 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiBadCrcC	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	SMPTE292 C CRC alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 49 }	
sdiBadCrcFF	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	RP165 FF CRC alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 55 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
sdiBadCrcAP	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	RP165 AP CRC alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 56 }	
embAudioAsync	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Embedded audio group sample phase alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 57 }	

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
inputSigNotHD	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Input signal not HD alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string "ui beep snmp log gc". To disable only the ui alarm reporting, set the string to "beep snmp log gc" To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 58 }	
alarmStatusStr	
SYNTAX	OCTET STRING
MAX-ACCESS	read-only
STATUS	current
DESCRIPTION	Returns alarm status. Each bit in an octet notes the status of one alarm. If the bit is one, the alarm condition exists otherwise there is no alarm. Octets are numbered as: Octet8, Octet7, ...Octet1, Octet0. In the following description, the information appears in the following sequence: Octet Number, Bit position in the octet (bit mask), Alarm Description 0, 0x01, Input Missing 0, 0x02, Input Unlocked 0, 0x04, Reference Missing 0, 0x08, Reference Unlocked 0, 0x10, Format Change 0, 0x20, Format Not HD 0, 0x40, Unused 0, 0x80, Unused 1, 0x04, VITC Missing 1, 0x08, VITC Invalid 1, 0x80, Unused

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
	2, 0x01, SDI Bad EDH 2, 0x02, SDI Code Error 2, 0x04, SDI Data Error 2, 0x08, SDI Line Error 2, 0x10, SDI Field Error 2, 0x20, SDI No EAV 2, 0x40, SDI No SAV 2, 0x80, SDI Bad CRC
	3, 0x01, SDI AP CRC Error 3, 0x02, SDI FF CRC Error 3, 0x04, SDI Y CRC Error 3, 0x08, SDI C CRC Error 3, 0x10, SDI Audio Missing 3, 0x20, SDI Audio Parity 3, 0x40, SDI HD Line Error 3, 0x80, Unused
	4, 0x01, Composite Gamut Error 4, 0x02, RGB Gamut Error 4, 0x04, Luma Gamut Error 4, 0x08, Unused 4, 0x10, Anc. Presence 4, 0x20, Anc. Placement 4, 0x40, Anc. Parity 4, 0x80, Anc. Checksum
	5, 0x01, Audio Silence 5, 0x02, Audio Over level 5, 0x04, Audio Mute 5, 0x08, Audio Clip 5, 0x10, Embedded Audio Missing 5, 0x20, Embedded Audio CRC Error 5, 0x40, Embedded Audio Parity Error 5, 0x80, Embedded Audio Slipping
	6, 0x01, AES Audio Missing 6, 0x02, AES Audio Unlocked 6, 0x04, AES Audio Parity Error 6, 0x08, AES Audio Code Error 6, 0x10, AES Audio Format Error 6, 0x20, AES Audio Low Confidence 6, 0x40, AES Audio Validity Error 6, 0x80, AES Audio CRC Error
::= { alarm 59 }	8, 0x01, CC Presence 8, 0x02, Audio Phase Error

Table 18: Alarm configuration group (Cont.)

Object identifier	Object type
gamutLuma	
SYNTAX	DisplayString
MAX-ACCESS	read-write
STATUS	current
DESCRIPTION	Gamut Luma alarm notification vector status To enable onscreen, Beep, SNMP, Log and Gnd alarm reporting, the OID can be set to the string “ui beep snmp log gc”. To disable only the ui alarm reporting, set the string to “beep snmp log gc” To disable all forms of alarm reporting, set the OID to an empty string. Thus, to enable alarm reporting, include the particular option in the string and to disable remove the specific option from the string.
::= { alarm 60 }	