Dell™-MIB Definitions for Dell 5100MP Projector

Dell-5100MP-Projector-MIB DEFINITIONS ::= BEGIN

-- Revision History

-- Release: A1.3 2006/02/08

--   Add Object IDs, re-define syntax and add variable for volume control

--   This release is for 5100MP projectors manufactured after 10 Apr. 2006 with network firmware C1.3

IMPORTS

   MODULE-IDENTITY, OBJECT-TYPE, Integer32,

   NOTIFICATION-TYPE, enterprises, Counter32,

   Opaque   FROM SNMPv2-SMI

   TEXTUAL-CONVENTION, DisplayString, TruthValue

     FROM SNMPv2-TC;

-- textual conventions

-- DisplayString ::=

--   OCTET STRING

-- This data type is used to model textual information taken from the NVT ASCII character set. By convention, objects with this syntax are declared as having SIZE(0..255)

dell MODULE-IDENTITY

   LAST-UPDATED "200602080001Z"

   ORGANIZATION "Dell Inc."

   CONTACT-INFO

"
Vincent Ng, Dell, Singapore
Postal: DELL GLOBAL B. V,
        2 International Business Park
        Level 4, The Strategy, Tower 2
     Singapore 609930.
"
DESCRIPTION
"The Dell 5100MP Projector MIB."
::= { enterprises 674 }

projectors OBJECT IDENTIFIER ::= { dell 10899 }
projectorgroup1 OBJECT IDENTIFIER ::= { projectors 100 }
dellMIB5100MP OBJECT IDENTIFIER ::= { projectorgroup1 1 }

pjtState OBJECT-TYPE
    SYNTAX INTEGER {
        off(0),
        on(1),
        cooling(3) -- a temporary state between on and off
    }
    MAX-ACCESS read-only
    STATUS current
    DESCRIPTION
    "
        A value which indicates the current state of the projector.
        0: Off;   1: On   3: Cooling;
    "
    ::= { dellMIB5100MP 1 }

pjtLampHour OBJECT-TYPE
    SYNTAX INTEGER (0..16383)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"

A value which indicates the lamp hours of the projector, that is, the number of hours the lamp

has been turned on since it was replaced.

"

::= { dellMIB5100MP 3 }

pjtTemperature OBJECT-TYPE

SYNTAX INTEGER (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"

A value which indicates the temperature of the projector in degrees Celsius.

"

::= { dellMIB5100MP 5 }

pjtPowerButton OBJECT-TYPE

SYNTAX INTEGER {

off(0), -- will go through a cooling period before power off

on(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command value which can be used to power on/off the projector. This command will affect the
value of pjtState.

NOTE: In general, a projector will not power down immediately, but will enter a period of cooling

before powering off. This transition will be reflected in the value of pjtState.

0: Off ;   1:On

"
   ::= { dellMIB5100MP 6 }

pjtSourceButton OBJECT-TYPE
    SYNTAX INTEGER {
       m1RGB(113),
       m1DRGB(114),
       m1Component(115),
       vgaRGB(117),
       vgaComponent(118),
       bncRGB(120),
       bncComponent(121),
       rcaComponent(123),
       sVideo(125),
       composite(126),
       hdmi(127),
       noVideoSource(170)
    }
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
    "
       A command which indicates to search source for projection.
       113: M1 RGB;   114: M1 DRGB;
       115: M1 Component; 117: VGA RGB;
       118: VGA Component; 120: BNC RGB;
       121: BNC Component; 123: RCA Component;
       125: S-Video;   126: Composite;
       127: HDMI;   170: No Source;
    "
    ::= { dellMIB5100MP 7 }

pjtZoomInButton OBJECT-TYPE

```
SYNTAX  INTEGER {
   zoomIn(1)
}
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"
   A command which indicates to zoom in image, that is, to produce a larger projected image.
"
::= { dellMIB5100MP 8 }


pjtZoomOutButton OBJECT-TYPE
SYNTAX  INTEGER {
   zoomOut(1)
}
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"
   A command which indicates to zoom out image, that is, to produce a smaller projected image.
"
::= { dellMIB5100MP 9 }


pjtMuteButton OBJECT-TYPE
SYNTAX  INTEGER {
   audioMutedToggle(1)
}
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"
   A command which to mute/enable audio output.
"
```

::= { dellMIB5100MP 10 }

pjtHideButton OBJECT-TYPE
  SYNTAX INTEGER {
    imageHiddenToggle(1)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "
    A command which to hide/display image.
  "
  ::= { dellMIB5100MP 12 }

pjtVideoButton OBJECT-TYPE
  SYNTAX INTEGER {
    modePC(0),
    modeMovie(1),
    modeGame(2),
    modeSRGB(3),
    modeUserDefined(4)
  }
  MAX-ACCESS read-write
  STATUS current
  DESCRIPTION
  "
    A command which sets the video mode.
    0: PC mode ;   1: movie mode; 2: game mode;
    3: SRGB mode;   4: user defined.
  "
  ::= { dellMIB5100MP 13 }

pjtHKeystoneRight OBJECT-TYPE

```
SYNTAX  INTEGER {
    hKeystoneRight(1)
}
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
    "
```

A command which indicates to increase horizontal keystone of the right side, that is, the right side of the trapezoid will become smaller relative to the left side.

NOTE: If the projector is mounted upside-down, the effect of these keystoning commands will appear to be reversed.
```
    "
    ::= { dellMIB5100MP 14 }
```

```
pjtHKeystoneLeft OBJECT-TYPE
    SYNTAX  INTEGER {
        hKeystoneLeft(1)
    }
    MAX-ACCESS  read-write
    STATUS  current
    DESCRIPTION
        "
```

A command which indicates to increase horizontal keystoning to the left side, that is, the left side of the trapezoid will become smaller relative to the right side.

NOTE: If the projector is mounted upside-down, the effect of these keystoning commands will appear to be reversed.

```
    "
    ::= { dellMIB5100MP 15 }
```

```
pjtVKeystoneUp OBJECT-TYPE
```

SYNTAX INTEGER {

vKeystoneUp(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to increase vertical keystone toward the top, that is, the top of the trapezoid (relative to the projector body) will become larger relative to the bottom.

NOTE: If the projector is mounted upside-down, the effect of these keystoning commands will appear to be reversed.

"

::= { dellMIB5100MP 16 }

pjtVKeystoneDown OBJECT-TYPE

SYNTAX INTEGER {

vKeystoneDown(1)

}

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"

A command which indicates to decrease vertical keystone toward the top, that is, the top of the trapezoid (relative to the projector body) will become smaller relative to the bottom.

NOTE: If the projector is mounted upside-down, the effect of these keystoning commands will appear to be reversed.

"

::= { dellMIB5100MP 17 }

pjt169Button OBJECT-TYPE

```
SYNTAX  INTEGER {
    aspect1to1(1),  -- square
    aspect16to9(2), -- HDTV
    aspect4to3(3)   -- most computer monitor settings
}
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"

    A command which sets the aspect ratio of the image.
    1:  1:1 ;    2:  16:9;    3:  4:3.
"
::= { dellMIB5100MP 20 }


pjtBrightness OBJECT-TYPE
SYNTAX  INTEGER (0..100)
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"

    A value which sets the brightness of the projector.
    0(zero) is minimum brightness; 100 is maximum brightness.
"
::= { dellMIB5100MP 21 }


pjtContrast OBJECT-TYPE
SYNTAX  INTEGER (0..100)
MAX-ACCESS  read-write
STATUS  current
DESCRIPTION
"

    A value which sets the contrast of the projector.
    0(zero) is lowest contrast; 100 is highest contrast.
```

"

::= { dellMIB5100MP 22 }

pjtSmtpServer OBJECT-TYPE
    SYNTAX DisplayString (SIZE(0..40))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
    "

        The SMTP server, which may be an IP V4 address or a domain name.
    "

    ::= { dellMIB5100MP 23 }

pjtDstEmailAddr1 OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..40))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
    "

        The 1-st destination E-mail address which will receive alert message when the projector is error.
    "

    ::= { dellMIB5100MP 24 }

pjtDstEmailAddr2 OBJECT-TYPE
    SYNTAX DisplayString (SIZE (0..40))
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
    "

        The 2-nd destination E-mail address which will receive alert message when the projector is error.
    "

    ::= { dellMIB5100MP 25 }

pjtVolume OBJECT-TYPE
    SYNTAX INTEGER (0..30)
    MAX-ACCESS read-write
    STATUS current
    DESCRIPTION
        "

        The current volume of the projector.

        0(zero) indicates minimum volume, that is, the smallest possible volume output; 30 indicates the maximum volume, that is, the largest possible volume output.

        The value can be set directly as a command to change the volume level.
        "
    ::= { dellMIB5100MP 26 }

END