

**TFortis SNMP MIB**

**Variables description**

File version **TFortis-407-mib: v2.3**

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# Introduction

SNMP protocol is based on information about objects stored in the MIB – the Management Information Base.

All MIBs can be divided into standard and proprietary. Standard MIBs are supported by all network equipment of any manufacturer, while proprietary MIBs are tied to a specific manufacturer.

In this manual the detailed description of variables supported by TFortis equipment is given:

# TFortis PSW outdoor switches

* **TFortis SWU core switches**
* **TFortis TELEPORT integration units**

Each variable description in given in a following form:

|  |
| --- |
| Numerical representation of OID |
| Variable name in MIB file |
| Access type (read only, read and write) |
| Variable description |

# Typical MIB-2

# Group: System

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.1 |
| Name | sysDescr |
| Type | DisplayString |
| Description | Equipment type description |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.2 |
| Name | sysObjectID |
| Type | OBJECT IDENTIFIER |
| Description | Root ID of the manufacturer |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.3 |
| Name | sysUpTime |
| Type | TimeTicks |
| Description | Device Uptime |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.4 |
| Name | sysContact |
| Type | DisplayString |
| Description | Contact information of management staff |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.5 |
| Name | sysName |
| Type | DisplayString |
| Description | Device description |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.6 |
| Name | sysLocation |
| Type | DisplayString |
| Description | Device location |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.1.7 |
| Name | sysServices |
| Type | INTEGER |
| Description | Level of services (always 78) |

# Network interfaces

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.1 |
| Name | interfaces.ifNumber |
| Type | Integer32 |
| Description | Number of network interfaces |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.1 |
| Name | interfaces.ifTable.ifEntry.ifIndex |
| Type | InterfaceIndex |
| Description | Interface index |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.2 |
| Name | interfaces.ifTable.ifEntry.ifDescr |
| Type | DisplayString |
| Description | Interface name |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.3 |
| Name | interfaces.ifTable.ifEntry.ifType |
| Type | IANAifType |
| Description | Interface type |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.4 |
| Name | interfaces.ifTable.ifEntry.ifMtu |
| Type | Integer32 |
| Description | MTU size |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.5 |
| Name | interfaces.ifTable.ifEntry.ifSpeed |
| Type | Gauge32 |
| Description | Interface actual rate |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.6 |
| Name | interfaces.ifTable.ifEntry.ifPhysAddress |
| Type | PhysAddress |
| Description | Interface MAC address |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.7 |
| Name | interfaces.ifTable.ifEntry.ifAdminStatus |
| Type | INTEGER { up ( 1 ) , down ( 2 ) } |
| Description | Configured interface state |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.8 |
| Name | interfaces.ifTable.ifEntry.ifOperStatus |
| Type | INTEGER { up ( 1 ) , down ( 2 ) } |
| Description | Actual interface state |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.9 |
| Name | interfaces.ifTable.ifEntry.ifLastChange |
| Type | TimeTicks |
| Description | plug |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.10 |
| Name | interfaces.ifTable.ifEntry.ifInOctets |
| Type | Counter32 |
| Description | Number of incoming bytes on interface |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.16 |
| Name | interfaces.ifTable.ifEntry.ifOutOctets |
| Type | Counter32 |
| Description | Number of outgoing bytes on interface |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.1 |
| Name | IfXEntry.ifName |
| Type | DISPLAYSTRING |
| Description | Interface name |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.2 |
| Name | IfXEntry.ifInMulticastPkts |
| Type | COUNTER32 |
| Description | Number of incoming multicast packages |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.3 |
| Name | IfXEntry.ifInBroadcastPkts |
| Type | COUNTER32 |
| Description | Number of incoming broadcast packets |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.4 |
| Name | IfXEntry.ifOutMulticastPkts |
| Type | COUNTER32 |
| Description | Number of outgoing multicast packages |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.5 |
| Name | IfXEntry.ifOutBroadcastPkts |
| Type | COUNTER32 |
| Description | Number of outgoing broadcast packets |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.14 |
| Name | IfXEntry.ifLinkUpDownTrapEnable |
| Type | INTEGER {enabled(1), disabled(2) } |
| Description | Generating of SNMP Traps when the link is changing |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.16 |
| Name | IfXEntry.ifPromiscuousMode |
| Type | INTEGER {true(1), false(2) } |
| Description | Promiscuous Mode state |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.31.1.1.1.17 |
| Name | IfXEntry.ifConnectorPresent |
| Type | INTEGER {true(1), false(2) } |
| Description | State of interface physics |

* 1. **Network settings**

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.4.1 |
| Name | ip.ipForwarding |
| Type | INTEGER { forwarding ( 1 ) , not-forwarding ( 2 ) } |
| Description | Always not-forwarding (switch) |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.4.2 |
| Name | ip.ipDefaultTTL |
| Type | INTEGER |
| Description | TTL by default |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.4.21.1.1 |
| Name | ipRouteDest |
| Type | IpAddress |
| Description | IP address |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.17.7.1.1.1 |
| Name | dot1qVlanVersionNumber |
| Type | INTEGER {version1(1)} |
| Description | Number of IEEE 802.1Q version |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.17.7.1.1.2 |
| Name | dot1qMaxVlanId |
| Type | VlanId (INTEGER) (1..4094) |
| Description | Maximum VID |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.17.7.1.1.3 |
| Name | dot1qMaxSupportedVlans |
| Type | INTEGER |
| Description | Maximum number of supporting VLANs |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.17.7.1.1.4 |
| Name | dot1qNumVlans |
| Type | UNSIGNED32 |
| Description | Current number of VLANs |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.17.7.1.1.5 |
| Name | dot1qGvrpStatus |
| Type | EnabledStatus |
| Description | GVRP support |

* 1. **Statistics**

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.11.1 |
| Name | snmp.snmpInPkts |
| Type | Counter32 |
| Description | Number of incoming SNMP packets |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.11.3 |
| Name | snmp.snmpInBadVersions |
| Type | Counter32 |
| Description | Number of incoming SNMP packets with wrong version |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.11.6 |
| Name | snmp.snmpInASNParseErrs |
| Type | Counter32 |
| Description | Number of SNMP parsing errors |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.11.31 |
| Name | snmp.snmpSilentDrops |
| Type | Counter32 |
| Description | Number of discarded requests |

* 1. **LLDP**

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.1.0 |
| Name | lldpMessageTxInterval |
| Type | INTEGER32 |
| Description | LLDP message sending interval |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.2.0 |
| Name | lldpMessageTxHoldMultiplier |
| Type | INTEGER32 |
| Description | Storage multiplier. Use to calculate  TTL (TTL=lldpMessageTxInterval\* lldpMessageTxHoldMultiplier |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.6 |
| Name | lldpPortConfigTable |
| Type | Таблица |
| Description | A table containing LLDP configuration information on each port |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.6.1.1 |
| Name | lldpPortConfigPortNum |
| Type | Index |
| Description | Port number, used as an index when reading the lldpPortConfigTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.6.1.2 |
| Name | lldpPortConfigAdminStatus |
| Type | INTEGER32 { txOnly (1) , rxOnly(2) , txAndRx (3) , disabled (4) } |
| Description | Port mode in LLDP protocol |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.6.1.3 |
| Name | lldpPortConfigNotificationEnable |
| Type | INTEGER32 { true (1) , false(2) , } |
| Description | Allow LLDP notifications to be sent from the port. |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.1.6.1.4 |
| Name | lldpPortConfigTLVsTxEnable |
| Type | BITS { portDesc (0) , sysName (1) , sysDesc (2) , sysCap (3) } |
| Description | TLV types that are allowed to be sent from the port |

|  |  |
| --- | --- |
| OID | 1.0.8802.1.1.2.1.3.1.0 |
| Name | lldpLocChassisIdSubtype |
| Type | INTEGER { chassisComponent (1) , interfaceAlias(2) , portComponent (3) , macAddress (4) , networkAddress (5) , interfaceName (6) , local (7) } |
| Description | Local device chassis id subtype |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.2.0 |
| Name | lldpLocChassisId |
| Type | STRING ( SIZE ( 1 .. 255 ) ) |
| Description | Local device chassis id |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.3.0 |
| Name | lldpLocSysName |
| Type | STRING ( SIZE ( 0 .. 255 ) ) |
| Description | Local device description |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.4.0 |
| Name | lldpLocSysDescr |
| Type | STRING ( SIZE ( 0 .. 255 ) ) |
| Description | Local device type name |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.5.0 |
| Name | lldpLocSysCapSupported |
| Type | BITS { other (0) , repeater (1) , bridge (2) , wlanAccessPoint (3) , router (4) , telephone (5) , docsisCableDevice (6) , stationOnly (7) } |
| Description | System capabilities of the local device |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.6.0 |
| Name | lldpLocSysCapEnabled |
| Type | BITS { other (0) , repeater (1) , bridge (2) , wlanAccessPoint (3) , router (4) , telephone (5) , docsisCableDevice (6) , stationOnly (7) } |
| Description | Supported system capabilities of the local device |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.7 |
| Name | lldpLocPortTable |
| Type | Table |
| Description | The table contains information about the ports of the local device. |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.7.1.1 |
| Name | lldpLocPortNum |
| Type | INTEGER32 |
| Description | Port number, used as an index when reading the lldpLocPortTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.7.1.2 |
| Name | lldpLocPortIdSubtype |
| Type | INTEGER {interfaceAlias (1) , portComponent (2) , macAddress(3), networkAddress(4), interfaceName(5) , agentCircuitId (6) , local (7) } |
| Description | Port id Subtype in the lldpLocPortTable Table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.7.1.3 |
| Name | lldpLocPortId |
| Type | STRING |
| Description | Port id in the lldpLocPortTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.3.7.1.4 |
| Name | lldpLocPortDesc |
| Type | STRING |
| Description | Port Description in the lldpLocPortTable Table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1 |
| Name | lldpRemTable |
| Type | Table |
| Description | The table contains information about known remote devices. |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.4 |
| Name | lldpRemChassisIdSubtype |
| Type | INTEGER { chassisComponent (1) , interfaceAlias(2) , portComponent (3) , macAddress (4) , networkAddress (5) , interfaceName (6) , local (7) } |
| Description | The subtype identifier of the remote device chassis in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.5 |
| Name | lldpRemChassisId |
| Type | STRING ( SIZE ( 1 .. 255 ) ) |
| Description | Remote device chassis id in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.6 |
| Name | lldpRemPortIdSubtype |
| Type | INTEGER {interfaceAlias (1) , portComponent (2) , macAddress(3), networkAddress(4), interfaceName(5), agentCircuitId (6), local (7) } |
| Description | The type of port id of the remote device in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.7 |
| Name | lldpRemPortId |
| Type | STRING |
| Description | Identifier of the remote device port in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.8 |
| Name | lldpRemPortDesc |
| Type | STRING |
| Description | Description of the remote device port in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.9 |
| Name | lldpRemSysName |
| Type | STRING |
| Description | Description of the remote device in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.10 |
| Name | lldpRemSysDesc |
| Type | STRING |
| Description | The name of the remote device in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.10 |
| Name | lldpRemSysCapSupported |
| Type | BITS { other (0) , repeater (1) , bridge (2) , wlanAccessPoint (3) , router (4) , telephone (5) , docsisCableDevice (6) , stationOnly (7) } |
| Description | System capabilities of the remote device in the lldpRemTable table |

|  |  |
| --- | --- |
| OID | .1.0.8802.1.1.2.1.4.1.1.11 |
| Name | lldpRemSysCapEnabled |
| Type | BITS { other (0) , repeater (1) , bridge (2) , wlanAccessPoint (3) , router (4) , telephone (5) , docsisCableDevice (6) , stationOnly (7) } |
| Description | Supported system capabilities of the remote device in the lldpRemTable table |

* 1. **Standard SNMP traps**

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.2.2.1.8.<port> |
| Name | ifOperStatus |
| Type | INTEGER { up ( 1 ) , down ( 2 ) } |
| Description | Link status change event on interface |

|  |  |
| --- | --- |
| OID | .1.3.6.1.2.1.105.0.<port> |
| Name | pethPsePortOnOffNotification |
| Type | INTEGER { up ( 1 ) , down ( 2 ) } |
| Description | PoE status change event on interface |

1. **Specific parameters**
   1. **Switches**
      1. **SNMP Traps**

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.1 |
| Name | stpTopologyChanged |
| Type | trap |
| Description | Topology has been changed in STP/RSTP protocol. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.2 |
| Name | specialFunctionNoLink |
| Type | trap |
| Description | The system for monitoring the camera hanging diagnosed lack of activity of the "link" signal on the port. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.3 |
| Name | specialFunctionNoPingResponse |
| Type | trap |
| Description | The system for monitoring the camera hanging diagnosed no "Ping" response on the port. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.4 |
| Name | specialFunctionLowSpeed |
| Type | trap |
| Description | The system for monitoring the camera hanging diagnosed a decrease in the intensity of the flow from the camera to the port. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.5 |
| Name | updateFirmware |
| Type | trap |
| Description | Firmware update is in progress |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.6 |
| Name | setToDefault |
| Type | trap |
| Description | Settings have been reset to the factory default |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.7 |
| Name | backupSettings |
| Type | trap |
| Description | Settings have been saved to the file |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.8 |
| Name | systemWarmStart |
| Type | trap |
| Description | "Hot start" of the switch after CPU reboot |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.9 |
| Name | systemColdStart |
| Type | trap |
| Description | "Cold start" of the switch after supplying the power |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.10 |
| Name | webInterfaceLoginOk |
| Type | trap |
| Description | Authentication in the web-interface is successful |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.11 |
| Name | webInterfaceLoginFail |
| Type | trap |
| Description | Authentication in the web-interface failed, incorrect login/password |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.12 |
| Name | emptyArpTable |
| Type | trap |
| Description | Manual cleaning of the ARP table |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.13 |
| Name | upsLowVoltage |
| Type | trap |
| Description | Low battery. For switches with UPS. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.14 |
| Name | upsBattrtyPower |
| Type | trap |
| Description | Switching to operation from the battery. For switches with UPS. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.15 |
| Name | upsVacPower |
| Type | trap |
| Description | Switching to operation from the power supply. For switches with UPS. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.16 |
| Name | tamperIsActive |
| Type | trap |
| Description | Tamper sensor actuation. For models PSW-2G+ and PSW-2G6F+ |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.17 |
| Name | sensor1isActive |
| Type | trap |
| Description | Actuation of dry contact input 1 |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.18 |
| Name | sensor2isActive |
| Type | trap |
| Description | Actuation of dry contact input 2 |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.23 |
| Name | macFilteringAlarm |
| Type | trap |
| Description | Attempted access from an unknown MAC address. When the MAC address filtering function is configured. |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.0.24 |
| Name | portErrorDisabled |
| Type | trap |
| Description | The port went into the Error-Disabled state |

* + 1. **Variables for monitoring and management**

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.1.1.1 |
| Name | comfortStartTime |
| Type | read-write, INTEGER ( 1 .. 2 ) |
| Description | Time of comfort start of video cameras in cold conditions (1 or 2 hours) |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.1.1.2.1.2.<port> |
| Name | comfStState |
| Type | read-write, INTEGER { enabled ( 1 ) , disabled ( 2 ) } |
| Description | Setting the comfort start function for cameras on the port  <port > - port number (1..N) |

|  |  |
| --- | --- |
| OID | .1.3.6.1.4.1.42019.3.2.1.2.1.1.2.<port> |
| Name | autoRstMode |
| Type | read-write, INTEGER { link (1) , ping (2) , speed (3) , disabled (4) } |
| Description | Setting the camera hanging control function on the port. Setting the hanging criterion  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.1.2.1.1.3.<port> |
| Name | autoRstDstIP |
| Type | read-write, IpAddress |
| Description | IP address of the camera when working by the Ping criterion  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.1.2.1.1.4.<port> |
| Name | autoRstSpeed |
| Type | read-write, INTEGER |
| Description | Lower speed threshold when working by the Speed criterion  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.1.3.1.1.2.<port> |
| Name | portPoeState |
| Type | read-write, INTEGER { enabled ( 1 ) , disabled ( 2 ) } |
| Description | Control of PoE power supply on the port  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.1.1.0 |
| Name | upsModeAvalible |
| Type | read-only, INTEGER { true ( 1 ) , false ( 2 ) } |
| Description | UPS module is connected to the device |

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| OID | .1.3.6.1.4.1.42019.3.2.2.1.2.0 |
| Name | upsPwrSource |
| Type | read-only, INTEGER { battery ( 1 ) , ac ( 2 ) } |
| Description | Power supply for UPS: built-in accumulator battery or power grid |

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| OID | .1.3.6.1.4.1.42019.3.2.2.1.3.0 |
| Name | upsBatteryVoltage |
| Type | read-only, INTEGER |
| Description | Accumulator battery voltage in UPS module |

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| OID | .1.3.6.1.4.1.42019.3.2.2.1.4.0 |
| Name | upsBatteryTime |
| Type | read-only, INTEGER |
| Description | Estimated time of switch operation when switching to battery power, in seconds. |

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| OID | .1.3.6.1.4.1.42019.3.2.2.2.1.1.2.<input> |
| Name | inputType |
| Type | read-only, INTEGER { build-in ( 1 ) , plc ( 2 ) } |
| Description | Input type: built-in on the board or on the expansion board  <input> - input number |

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| OID | .1.3.6.1.4.1.42019.3.2.2.2.1.1.3.<input> |
| Name | inputState |
| Type | read-only, INTEGER { open ( 1 ) , short ( 2 ) } |
| Description | Current input state  <input> - input number (1 – enclosure tamper sensor, 2 – Sensor1, 3 – Sensor2) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.2.1.1.4.<input> |
| Name | inputAlarm |
| Type | read-only, INTEGER { open ( 1 ) , short ( 2 ) } |
| Description | Input state which is considered in alarm  <input> - input number (1 – enclosure tamper sensor, 2 – Sensor1, 3 – Sensor2) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.3.1.0 |
| Name | fwVersion |
| Type | read-only, OCTET STRING |
| Description | Firmware version |

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| OID | .1.3.6.1.4.1.42019.3.2.2.5.1.1.2.<port> |
| Name | portPoeStatusState |
| Type | read-only, INTEGER { up ( 1 ) , down ( 2 ) } |
| Description | PoE status on the port  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.5.1.1.3.<port> |
| Name | portPoeStatusPower |
| Type | read-only, INTEGER |
| Description | PoE power consumption on the port (mW)  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.6.1.1.1.2.<port> |
| Name | arPortStatus |
| Type | read-only, INTEGER { normal ( 1 ) , noLink ( 2 ) , noPing ( 3 ) , lowSpeed ( 4 ) } |
| Description | Current status of the port when the function of camera hanging control is active  <port > - port number (1..N) |

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| OID | .1.3.6.1.4.1.42019.3.2.2.6.2.1.1.2.<port> |
| Name | csPortStatus |
| Type | read-only, INTEGER { normal ( 1 ) , processing ( 2 ) } |
| Description | Current status of the port when the function of camera comfort start is active: normal operation or waiting for camera housing heating  <port > - port number (1..N) |

* 1. **Integration units**
     1. **SNMP traps**

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| OID | .1.3.6.1.4.1.42019.4.2.0.1 |
| Name | updateFirmwareTLP |
| Type | trap |
| Description | Firmware upgrade |

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| OID | .1.3.6.1.4.1.42019.4.2.0.2 |
| Name | setToDefaultTLP |
| Type | trap |
| Description | Settings have been reset to the factory default |

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| OID | .1.3.6.1.4.1.42019.4.2.0.3 |
| Name | backupSettingsTLP |
| Type | trap |
| Description | Settings have been saved to the file |

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| OID | .1.3.6.1.4.1.42019.4.2.0.4 |
| Name | systemWarmStartTLP |
| Type | trap |
| Description | “Hot start” after CPU reboot |

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| OID | .1.3.6.1.4.1.42019.4.2.0.5 |
| Name | systemColdStart |
| Type | trap |
| Description | “Cold start” after supplying the power |

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| OID | .1.3.6.1.4.1.42019.4.2.0.6 |
| Name | webInterfaceLoginOkTLP |
| Type | trap |
| Description | Authentication in the web-interface successful |

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| OID | .1.3.6.1.4.1.42019.4.2.0.7 |
| Name | webInterfaceLoginFailTLP |
| Type | trap |
| Description | Web-interface authentication is failed, login/password is incorrect |

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| OID | .1.3.6.1.4.1.42019.4.2.0.8 |
| Name | emptyArpTableTLP |
| Type | trap |
| Description | Manual cleaning of the ARP table |

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| OID | .1.3.6.1.4.1.42019.4.2.0.9 |
| Name | input1isChanged |
| Type | trap |
| Description | Input 1 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.10 |
| Name | input2isChanged |
| Type | trap |
| Description | Input 2 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.11 |
| Name | input3isChanged |
| Type | trap |
| Description | Input 3 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.12 |
| Name | input4isChanged |
| Type | trap |
| Description | Input 4 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.13 |
| Name | input5isChanged |
| Type | trap |
| Description | Input 5 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.18 |
| Name | output1isChanged |
| Type | trap |
| Description | Output 1 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.19 |
| Name | output2isChanged |
| Type | trap |
| Description | Output 2 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.20 |
| Name | output3isChanged |
| Type | trap |
| Description | Output 3 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.21 |
| Name | output4isChanged |
| Type | trap |
| Description | Output 4 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.22 |
| Name | output5isChanged |
| Type | trap |
| Description | Output 5 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.23 |
| Name | output6isChanged |
| Type | trap |
| Description | Output 6 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.24 |
| Name | output7isChanged |
| Type | trap |
| Description | Output 7 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.25 |
| Name | output8isChanged |
| Type | trap |
| Description | Output 8 changed its state |

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| OID | .1.3.6.1.4.1.42019.4.2.0.26 |
| Name | output9isChanged |
| Type | trap |
| Description | Output 9 changed its state |

* + 1. **Variables for monitoring and management**

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| OID | .1.3.6.1.4.1.42019.4.2.2.1.1.2.<input> |
| Name | inputStateTLP |
| Type | read-only, INTEGER { open ( 1 ) , short ( 2 ) } |
| Description | Current input state  <input>=0 – enclosure tamper sensor in Teleport-2 <input > - input number (1..N) |

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| OID | .1.3.6.1.4.1.42019.4.2.3.1.1.2.<output> |
| Name | outState |
| Type | read-write, INTEGER { open ( 1 ) , short ( 2 ) } |
| Description | Control of output.  **Note:** control of output is possible, if the output settings are  Output Mode=Manual  <output > - output number (1..N) |

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| OID | .1.3.6.1.4.1.42019.4.2.4.1.0 |
| Name | fwVersionTLP |
| Type | read-only, OCTET STRING |
| Description | Firmware version |