

# Taurus Series Multimedia Players

V1.0.0 NS120100924



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# **1** About This Document

The Taurus series multimedia players can connect to customers' network management system via SNMP, allowing customers to manage and monitor the Taurus and obtain device information, Ethernet port status and quantity, status and quantity of the receiving cards loaded by each Ethernet port, hardware monitoring data, average receiving card temperature, etc.

In this document, MIB Browser is used to simulate the control computer and connected to the Taurus to test SNMP GET, SET and TRAP data.

PAGE 1

# 2 Preparation

### 2.1 Obtaining OID Parameter Table

OID parameter table allows users to view the OIDs and meanings of SNMP data. Obtain *Taurus Series Multimedia Players SNMP OID Parameter Description* from NovaStar.

### 2.2 Installing MIB Browser

MIB Browser is used to simulate the control computer and connected to the Taurus for SNMP data transfer. Obtain the software installation package and install MIB Browser.

### 2.3 Viewing IP Address of the Taurus

When you connect the control computer to the Taurus, the IP address of the Taurus is required. You can view the IP address with ViPlex Express. If ViPlex Express is not installed, first install it.

Step 1 Open ViPlex Express and access async playback mode.

For detailed operations, see ViPlex Express Display Content Publishing Management System for PC Async Mode User Manual.

Step 2 Under Terminals, view the IP address of the Taurus, as shown in Figure 2-1.

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ViPlex Express Async Mode	minals Solutions Advanced Solut	tions Terminal Control	¢\$ – − ×
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Screen Name 🌩	Screen IP ≑	Screen Size	
🎒 Taurus-40002453 🕽	172.18.12.90	64*32	
DHCP Service			V2000501
DHCP Service			V2.0.0.0501

Figure 2-1 Viewing IP address

# 2.4 Viewing IP Address of PC

The IP address of the control computer is required when you test SET and TRAP data. View the IP address of the PC where MIB Browser is installed.

Step 1 Press **Win+R** to open the **Run** dialog box

Step 2 Type "cmd" and press **Enter**. www.novastar.tech



Step 3 In the pop-up dialog box, type "ipconfig" and press Enter.

Step 4 View the IP address of the PC.

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# **3** Connecting to Terminals

- Step 1 Connect the Taurus and PC where MIB Browser is installed to the same LAN.
- Step 2 Open MIB Browser.
- Step 3 Next to Address, enter the IP address of the Taurus and click Advanced Properties of SNMP Agent.

### Figure 3-1 Configuring IP address

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Step 4 Set Port and SNMP Version to 4700 and 2 respectively and then click OK.

Advanced Pro	perties of SNMP Agent
Address	172. 18. 12. 90
Port	4700
Read Community	
Write Community	
SIMP Version	2
1'A	Ok Cancel

Figure 3-2 Configuring port number and SNMP version.



# 4 SNMP Test

SNMP data includes GET, SET and TRAP.

- GET: The control computer actively reads back data from the Taurus.
- SET: The control computer sets up the Taurus.
- TRAP: The Taurus actively reports data to the control computer.

### 4.1 Testing SNMP GET

- Step 1 Open Taurus Series Multimedia Players SNMP OID Parameter Description.
- Step 2 Copy an OID of SNMP GET.
- Step 3 In MIB Browser, paste the OID, set Operations to Get and then click Go.

MIB Browser automatically adds ".0" to the end of the OID.

After the operation is successful, the data read from the Taurus is displayed, as shown in Figure 4-1.

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## 4.2 Testing SNMP SET

- Step 1 Open Taurus Series Multimedia Players SNMP OID Parameter Description.
- Step 2 Copy an OID of SNMP SET and view the data type.
- Step 3 In MIB Browser, paste the OID, set Operations to Set.
- Step 4 In the displayed dialog box, add ".0" to the end of the OID, select the data type and enter "*Control computer IP address/port number*".

The port number ranges from 0 to 65535 and is not in use.



### Figure 4-2 Setting parameters-SET

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#### Step 5 Click Ok.

A prompt will be displayed after the operation is successful.

### 4.3 Test SNMP TRAP

- Step 1 Set the IP address and port number of the control computer for reporting TRAP data. For detailed operations, see 4.2 Testing SNMP SET.
- Step 2 From the menu bar, choose Tools > Trap Receiver and click  $\cancel{6}$ .

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ane Di			

Step 3 Set **Trap Port** to the port number of the control computer and click **OK**.

Figure 4-4 Setting parameters-TRAP

Trap Receiver Settings		<b>—</b> ×
Trap Port:	162	
	(IX) Cancel	

After the settings are complete, the Taurus automatically reports TRAP data to the control computer, as shown in Figure 4-5.

The data is reported every minute. If you want to stop reporting data, click . If you want to start reporting data again, click . If you want to start reporting data

#### Figure 4-5 Reported data

V Ineaso	oning MIB Browser					
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Step 4 Open *Taurus Series Multimedia Players SNMP OID Parameter Description* and view the meanings of TRAP data according to the corresponding OIDs.



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