Network Management Protocol SNMP (Simple Network Management Protocol)

The System Manager Server uses Net-SNMP as an SNMP agent which is commonly used under the UNIX series operating systems including Linux and has an established reputation. It provides management information on the devices such as switchers, panels, and DMEs that are connected to the System Manager Server, to the SNMP manager such as the Sony MMStation BZNW-5000.

Installing the SNMP Agent

The SNMP agent is installed at the same time when the System Manager is installed.

(The SNMP agent supplied with Red Hat Linux is not used.)

Starting Up the SNMP Agent

The SNMP agent starts up automatically when the PC is rebooted after installing System Manager Server.

At the first startup after installation, the Trap address needs to be set on the System Manager client GUI. Refer to the "BZPS-8000 User's Guide" for details on setting the Trap address (Section 3, "Setting Trap Address of the Device Monitor").

If the SNMP function is not used, set the Trap address to "0.0.0.0".

Operation after Start-up

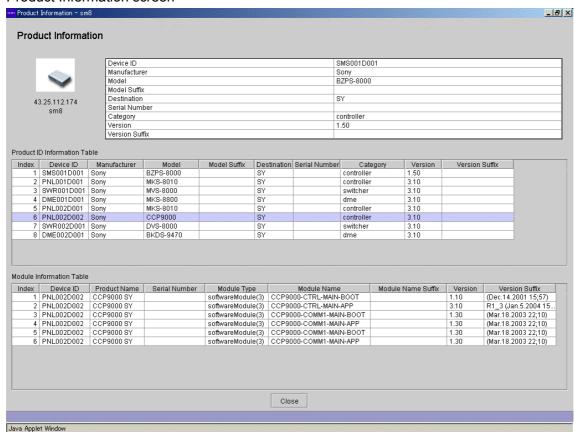No operation on the SNMP agent is required after start-up.

Information on the devices connected to the server can be displayed by operating SNMP Manager on Sony MMStation BZNW-5000 or other servers.

Refer to the instruction manuals of respective SNMP Managers for details on how to display the information.

The screens shown below are examples for the BZNW-5000.

Display example with BZNW-5000

Product Information screen

This screen displays the Device ID, model name, and product version No. etc. If the device has the sub information, model names and other information contained in it are also displayed.

The Device ID consists of the following formats.

- Three alphanumeric characters that indicate the model category (Table 1)
- Three-digit number that indicates the LAN group number to which the unit is connected
- One alphabetic character that indicates the LAN type (Table 2). "D" is typically used for System Manager.
- Three-digit number that indicates the unit number by model.

For example, the name of the first host in the MVS Processor connected to the Data LAN group No. 1 will be:
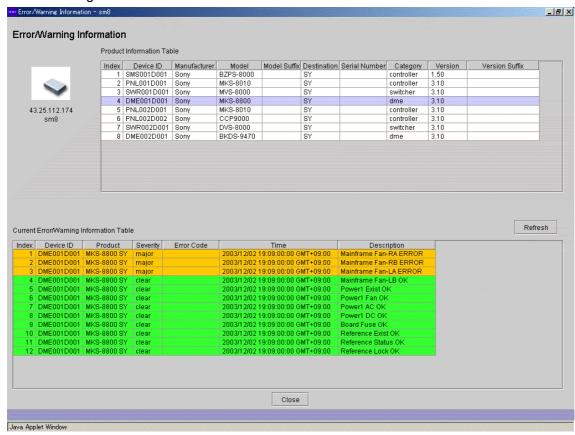
SWR001D001

Table 1: Model category			Table 2: LAN type	
System Manager	SMS		Control LAN	C
Switcher Processor	SWR		Peripheral LAN	P
Switcher Panel	PNL		Data LAN	D
DME Processor	DME		User LAN	U

Error/Warning Information screen

If an event that should be notified such as an error in the device occurs, the contents, cause, level of importance, date and time of occurrence, etc. are displayed.