

Why UPS management software?

- Sensitive equipment is continuously exposed to varying levels of interference from their power supply network.
- Securing your installation with a UPS is sometimes insufficient. Often it is also necessary to control and configure the UPS as well as the applications being supplied.
- Today a UPS can be managed in the same way as any other networked peripheral (printer, scanner, etc.) thanks to graphic interfaces that can be used intuitively in the same way as current Web navigation programs.
- When installed on a workstation or server connected to the UPS, communication software allows the system administrator to manage the UPS remotely.

Management of supplied applications

- Management and monitoring software give users significant advantages in terms of control.
- They make it possible to monitor the main parameters and carry out a shutdown of servers in the event of supply network power outage or other critical situation.

The SOCOMEC UPS guarantee

- These solutions are tailored to the specific requirements of applications in different IT environments: both domestic and professional.
- Developed by SOCOMEC UPS, these IT solutions are compatible with the most common operating systems and their different versions.
- Innovative solutions to manage your high quality power supply:
 - HID (Human Interface Device) device local Windows® power management,
 - **UNI VISION**, local management software,
 - **UNI VISION PRO**, network management software,
 - **NET VISION**, Web/SNMP management,
 - **JNC** and **VIRTUAL JNC**:
Java and .NET shutdown clients to show UPS data for executing the shutdown.



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Your protection for

- > Data center
- > Emergency applications
- > Offices
- > Service industries
- > Industry
- > Telecommunications
- > Medical



Monitoring and shutdown

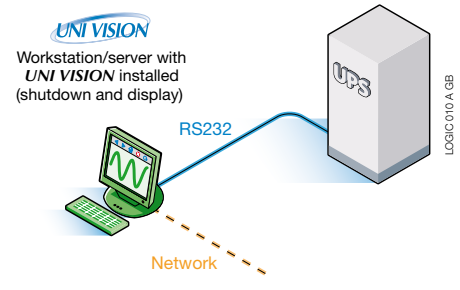
UNI VISION

Software free of charge on the website www.socomec.com

UNI VISION software allows the UPS to be managed from a workstation or server. The UPS can also be monitored from the other stations connected to the local network when exists.

The main functions are as follows:

- local and remote UPS monitoring using an internet browser,
- automatic shutdown of local workstations or servers on which **UNI VISION** runs,
- events data log (status changes and alarms),
- notification of faults via e-mail to up to 8 addresses.



UNI VISION PRO

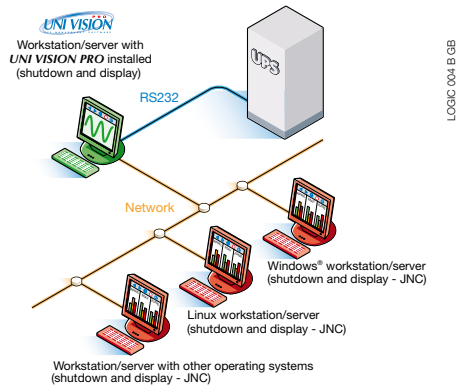
Management of a UPS connected to a local server via RS 232

The **UNI VISION PRO** software answers to professional need. Similar features of **UNI VISION**, with several additional function, such as to program and carry out the automatic shutdown of remote server-based workstations connected to the network.

The UPS can also be programmed by networked server-based workstations.

The main functions are as follows:

- UPS monitoring via Web browser,
- local shutdown of the server on which **UNI VISION PRO** runs,
- remote shutdown (optional) by Java shutdown client,
- notification of faults via e-mail to up to 8 addresses.



This range of communication software, created directly by SOCOMEC UPS, ensures the maximum compatibility with all the main operating systems and their future releases.

UNI VISION and **UNI VISION PRO** must be installed in the computers directly connected to the UPS.

The table below shows their compatibility with the OS with Java technology installed.



	UNI VISION	UNI VISION PRO
Windows Server™ 2000/2003/2003 R2/2008/2008 R2/XP/VISTA/7 (32/64 bit)	●	●
Linux kernel 2.4 (32 bit) Intel architecture	●	●
IBM AIX 4.3.3/5.x Rs 6000/PPC architecture		●
HP HP-UX 10.20 / 11.x PA-RISC architecture		●
Sun Solaris 8/9/10 Sparc and x86 architectures		●
Novell 5/6		●

NET VISION

Direct connection to the Ethernet

NET VISION is a communication and management interface designed for business networks. The UPS behaves exactly like a networked peripheral, it can be managed remotely and allows the shutdown of server-based workstations.

NET VISION allows a direct interface between the UPS and LAN network avoiding dependence on the server. It is therefore

compatible with all networks and multi-OS since it interacts via the Web browser.

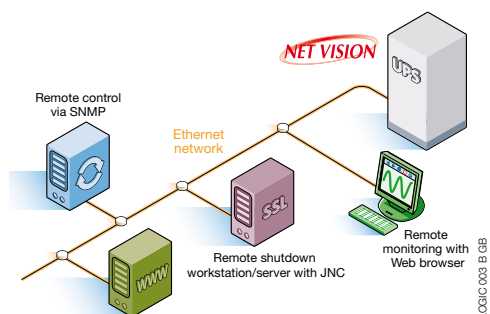
The main specifications and functions are as follows:

- 10/100 Mb Ethernet connection (RJ 45),
- UPS monitoring screen via a Web browser,
- remote shutdown of workstations,
- notification of faults via e-mail to up to 8 addresses,

- UPS management via SNMP protocol,
- monitoring of the operating environment (optional EMD temperature and humidity sensor). Configurable alarm trigger, notification via e-mail,
- suitable for remote maintenance service **T.SERVICE**.

Client included in standard **NET VISION**:

- Windows Server™ 2000/2003/2003 R2/2008/2008 R2/XP/VISTA/7 (32/64 bit),
- Novell 4.x.
- Sun Solaris versions 8.0 (Intel x86 architecture).
- Linux Kernel 2.4 or later versions (Intel architecture).
- Red Hat compatible.



Monitoring and shutdown (cont.)

- EMD (Environment Module Device)



EMD is a device to be used in conjunction with **NET VISION** with the following features:

- temperature and humidity measurements + 2 contact alarms,
- can be managed remotely from 2 to 15 metres,
- alarm thresholds configurable via Web browser,
- notification of environmental alarm via e-mail and SNMP traps.

UPS compatibility

Our software offer comprises various cutting-edge solutions for the management of the electric power supply, all developed to satisfy

the specific requirements of applications in different environments: residential, business and enterprise.

The table aside shown the UPS compatibility with the Monitoring & Shutdown solutions.

	UNI VISION	UNI VISION PRO	NET VISION
NeTYS PE and PL	● ⁽³⁾		
NeTYS PR and PR RACK 1U	● ⁽³⁾	● ⁽³⁾	●
NeTYS RT	● ⁽³⁾	● ⁽³⁾	● ⁽¹⁾
ITYS		● ⁽³⁾	●
MODULYS		●	●
MASTERYS BC		●	●
MASTERYS MC and Green Power 10-80		●	● ⁽²⁾
DELPHYS MP elite and MX			●

(1) 5-11 kVA UPS range includes the LAN connection; 1.1-3 kVA UPS range: Netys RT LAN PCB shall be used instead of **NET VISION**. (2) The UPS includes the LAN connection. (3) Provided with the UPS.



JNC (JAVA & .NET Shutdown client) is a small software to be installed in the remote computers. It shows data and executes commands sent by **UNI VISION PRO** or

NET VISION via the LAN. It has been developed by SOCOMEC UPS on a JRE and .NET platform.

Client shutdown application software compatibility

The UPS back-up time might not always be long enough to cover the whole period of outage. In this case the best way to proceed is to save data and correctly shutdown the machines before the complete absence of the supply. The client is a small software to be installed in the remote computers. It shows data and executes commands

sent by **UNI VISION PRO**, **NET VISION** or Adicom via the LAN.

Clients can be native for every single OS, or multi-OS and more advanced features such as "JAVA & .NET Shutdown client" (JNC). It has been developed by SOCOMEC UPS on a JRE platform.

Socomec UPS Virtual Shutdown Client (Virtual JNC) fully supports virtual machine shutdown. By acting on the physical server to correctly shutdown all the virtual machines running on it.

Operating system	O.S. version	Libraries required/Version	JNC	Virtual JNC
Microsoft™	Windows™ 2000 SP4 or later	NET Framework v1.1.4322/2.0.50727 or later	●	
	Windows™ Xp Sp2 or later	.NET J# Framework v1.1.4322/2.0.50727 or later	●	
	Windows™ 2003/2003 R2 Server (32/64 bit)	.NET Framework 2.X	●	
	Windows™ 2008 Server (32/64 bit)	Nothing more	●	
	Windows™ Vista (32/64 bit)	(.NET Framework 3.0 is natively installed)	●	
IBM	Windows™ 7 (32/64 bit)	(.NET Framework 3.0 is natively installed)	●	
	AIX 4.3.3 or later	RS/6000 - PowerPC	●	
SUN	AS 400 V4R5 or later	JAVA JRE included in O.S.	●	
	SOLARIS 8 or later (SPARC/x86)	JAVA JRE 1.3 or later	●	
HP	HP-UX 10.20 or later	JAVA JRE 1.3 or later	●	
NOVELL	NETWARE 5.x or later	JAVA JRE 1.3 or later	●	
Linux	All versions distributed (32 bit)	JAVA JRE 1.3 or later	●	
Apple	Mac Os X (PowerPC G3)	JAVA JRE included in O.S.	●	
VMware	ESX v.3.5	N/D		●
	ESXi v.3.5/4.0	N/D		●
Microsoft™	Virtual Server 2005 RL	.NET Framework 2.0 or later		●
		.NET J# Framework 2.0		●

Monitoring of major installations

- Field protocols

Installations integrating a large amount of equipment require centralised management. SOCOMEC UPS products can communicate using current management protocols: JBUS/MODBUS, MODBUS TCP (IDA), PROFIBUS DP, SNMP.

- HID (Human Interface Device)

HID allows the UPS to interact directly with Windows® Operative System (OS) power management. Backup time and actions accessible via toolbar.

	HID Windows® Power Management	JBUS/MODBUS protocol Centralised Technical Management	Web interface SNMP	PROFIBUS DP	MODBUS TCP
NETYS PR - PR RACK 1U	● (3)	●	● (3)		
NETYS RT	● (1)	●	● (2)		
ITYS		●	●		
MODULYS Green Power		●	●		
MASTERYS		●	●	●	
DELPHYS		●	●	●	●
IT-SWITCH		●	●	●	
STATYS		●	●	●	

(1) **NETYS RT** 1.1-1.7-2.2-3

(2) **NETYS** 1.1-1.7-2.2-3 kVA: via dedicated PCB card; 5-7-9-11 kVA: included

(3) Not available on **NETYS PR** 1000

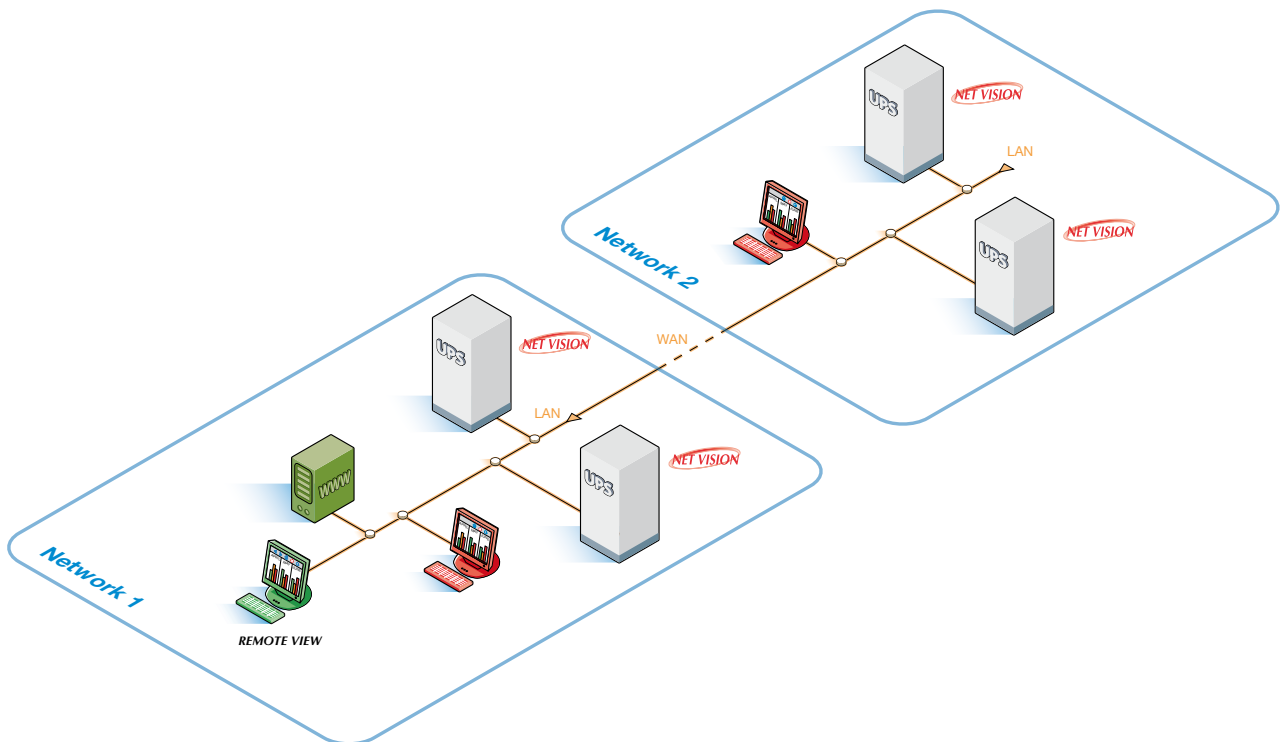
Remote View

Centralized Monitoring System

Remote View is an application used to monitoring simultaneously up to 1024 devices equipped with **NET VISION** card or box through the LAN or the Internet. Users are provided with tree-view (hierarchy structure can have up to 8 levels) and list-view. When an alarm happens in some monitored UPS, (trapevent), icon that

represent UPS will change to different colours according to the severity level, sending email to several addressees which has been set in program configuration dialog window. In case the program works in background a popup message appears. Input and output voltages, battery capacity and load percentage are continuously

monitored by Remote View program. Plant supervisors technician can have all the UPS under control in the same program window. Remote View runs on Windows® 2000/2003/2008 (R2)/XP/VISTA/7 with administrator rights.



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