

## **NVR with UPS (SNMP)**

Simple Network Management Protocol (**SNMP**) is a way for different devices on a network to share information with one another. It allows devices to communicate even if the devices are different hardware and run different software.

Most of server or OS support SNMP signal from UPS to shutdown device safely before abnormal shutdown.

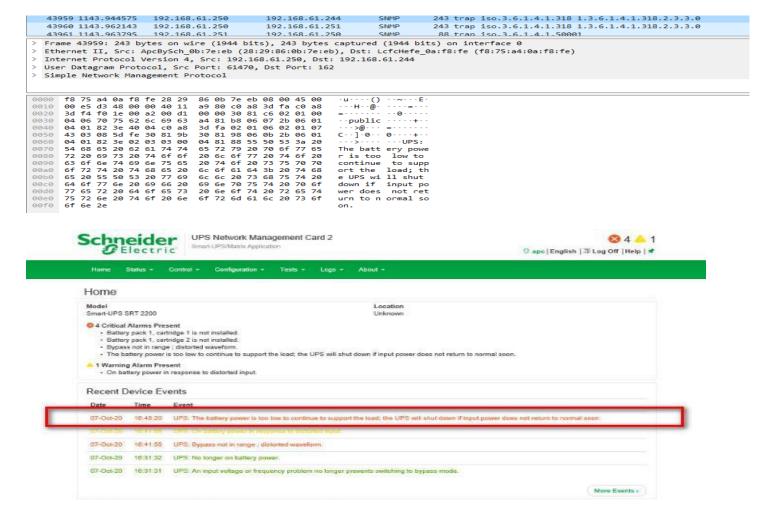
We have customized this feature in approved version and now in latest baseline also support.

Approved version V4.1.70 190307

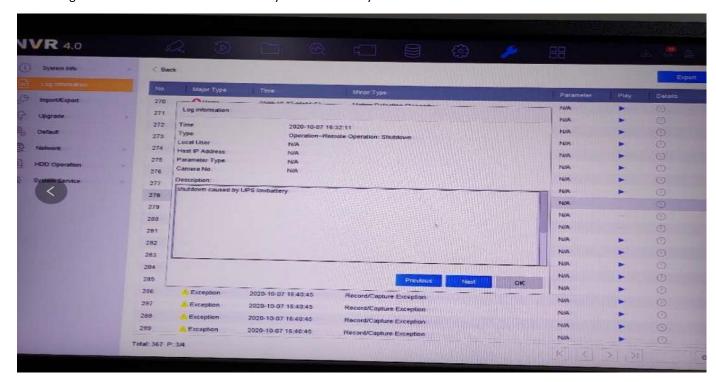
Where we use above FW, NVR acknowledge.

	1	Time	Source	Destination	Protocol	Length	Info
3	3298	1233.504849	192.168.61.250	192.168.61.244	SNMP	143	trap iso.3.6.1.4.1.318 1.3.6.1.4.1.318.2.3.3.0
3	3299	1233.519644	192.168.61.250	192.168.61.251	SNMP	143	trap iso.3.6.1.4.1.318 1.3.6.1.4.1.318.2.3.3.0
3	4791	1278.475628	192.168.61.251	192.168.61.250	SNMP	85	get-request 1.3.6.1.2.1.33.1.2.4.0
3	4792	1278.509070	192.168.61.250	192.168.61.251	SNMP	86	get-response 1.3.6.1.2.1.33.1.2.4.0
3	5103	1279.203829	192.168.61.251	192.168.61.250	SNMP	85	get-request 1.3.6.1.2.1.33.1.2.4.0
3	5107	1279.214345	192.168.61.250	192.168.61.251	SNMP	86	get-response 1.3.6.1.2.1.33.1.2.4.0
3	5321	1282.318913	192.168.61.251	192.168.61.250	SNMP	88	trap iso.3.6.1.4.1.50001
3	5345	1283.263812	192.168.61.251	192.168.61.250	SNMP	85	get-request 1.3.6.1.2.1.33.1.2.4.0
3	5346	1283.273752	192.168.61.250	192.168.61.251	SNMP	86	get-response 1.3.6.1.2.1.33.1.2.4.0
3	5396	1287.313588	192.168.61.251	192.168.61.250	SNMP	85	get-request 1.3.6.1.2.1.33.1.2.4.0

Hikvision NVR will monitor this message. Once receive, NVR will shut down.



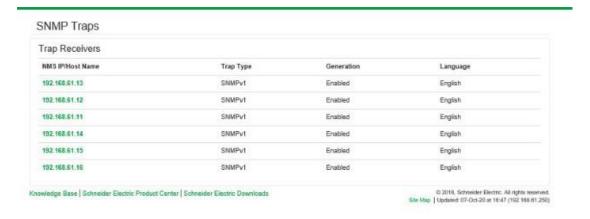
In NVR Log we can see the "Shutdown caused by UPS Low Battery"



## In NVR, we only add UPS IP (Trap address)



## In UPS, we need to add NVR IP (Trap address)



Need to config shutdown time, outlet closing time as per the site UPS battery runtime.

After NVR shutdown by UPS, the UPS outlet will shut down, when the Main Inline power come the Outlet will switch on and NVR will switch On Auto.

