



Network Alarm Protocol Specification

Version	Date	Changes
1.0	2010.5.27	Created



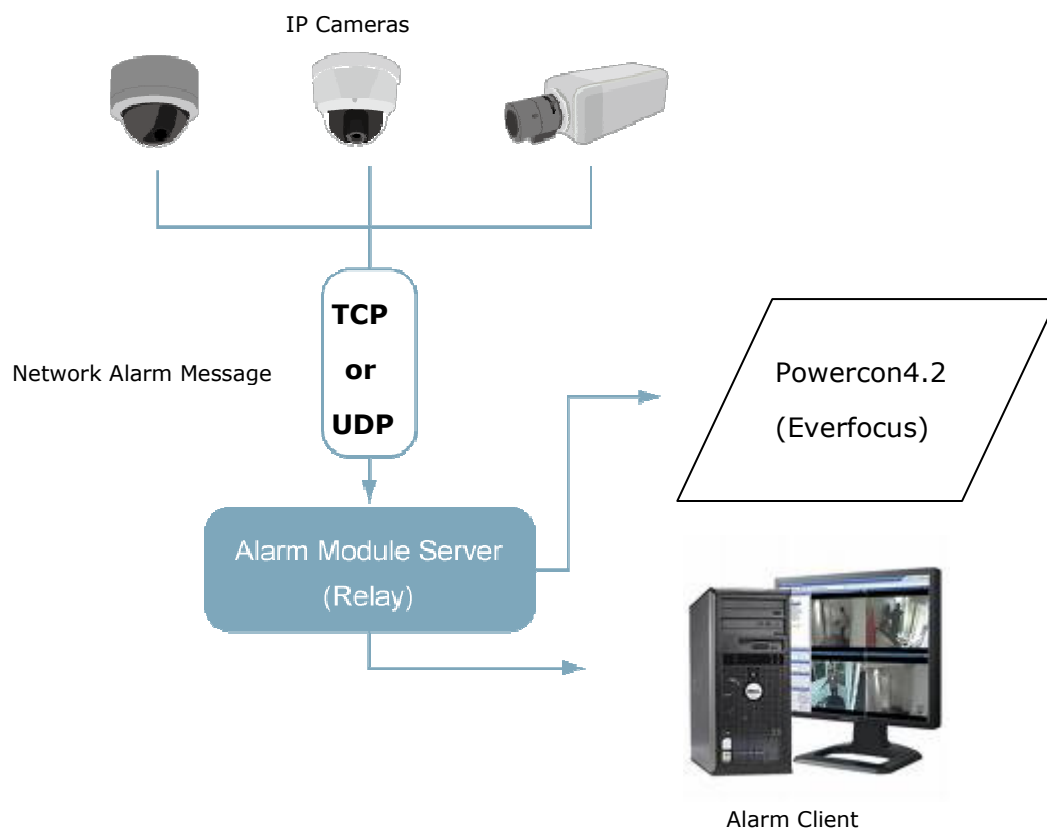
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1. Introduction

This document describes the Network Alarm Protocol (NAP) that is a device side protocol and was defined by Everfocus. The protocol is used to grab a snapshot from device while event was triggered. For example, you could get alert message and a JPEG bitstream by setting up the NAP action in our device.

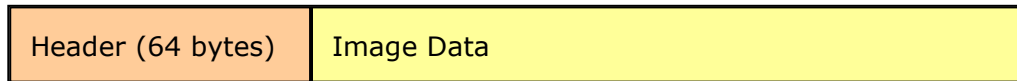
2. Network Alarm Protocol



The figure is illustrated the network alarm protocol that how to interact in system. You need to set up the NAP event in the IP cameras. The network alarm message (NAM) is send over a TCP or UDP port. The port and transmission type are changeable inside the device. The alarm module server can be replaced by any customized server that supported to receive the NAM. The devices can quickly integrate with Powercon or customized application by NAP.



2.1 Header Format of Network Alarm Message



The header format of alarm message data is fixed to 64 bytes.

Byte	Purpose	Description
0-2	Version Number	Protocol Version (V13)
3-12	Unique ID	System identification
13-14	Day	Day of alarm message
15-16	Month	Month of alarm message
17-20	Year	Year of alarm message
21-22	Hour	Hour of alarm message
23-24	Minute	Minute of alarm message
25-26	Second	Second of alarm message
27-28	Alarm Source	Motion Video Loss 0 = camera 1 ..., 1 = camera 16 External alarm input 0 = alarm input 1 ..., 23 = alarm input 24 External alarm output 1 0 = camera 1 ..., 23 = camera 24 Temperature report 30 = HDD 1 temperature ..., 79 = HDD 50 temperature
29-30	Camera Number	0 = camera 1 1 = camera 2 ... 15 = camera 16



2.2 Image Data

Example:

An example of motion detection event alerted, and you could take out the binary image data (120,234 Bytes) after the end of the NAM header.

