Technical Developer Information
CCTV Software Generic Alarm Protocol

Supported Software:

Camfunction Range v6.3 (006) and above
Centrol Range v6.3 (006) and above
SecureSite Range v6.2 (006) and above

Revision History:

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When you select 'Generic Alarm Device' CCTV Software's own alarm protocol (discussed below) is used to respond to alarm events that are incoming from either the serial port, via DDE link or via a TCP/IP network connection.

DDE SETTINGS

If you select 'None' for the com port then Camfunction knows that it must respond to alarm data via DDE link from another application running on the same PC.

The external application must use the following DDE criteria to send the data to:

NAME: camfunc

TOPIC: siteinfo

ITEM: linklabel8

In order for Camfunction to respond to alarms events, the data arriving must comply to the CCTV Software Alarm Protocol (see below).

COM PORT SETTINGS

If you select a valid com port then Camfunction will respond to alarm data that is sent to the selected serial port.

In order for Camfunction to respond to alarms events, the data arriving must comply to the CCTV Software Alarm Protocol (see below).

Com port settings are as follows:

INTERFACE: RS232

BAUD RATE: 9600

CHARACTER BIT: 8

STOP BIT: 1

PARITY: NONE

Settings for this alarm device are fixed

TCP/IP SETTINGS

Camfunction can be configured to listen on a specified port for an incoming TCP/IP connection. This means that Camfunction can respond to alarm events being generated on a 3rd party device located on the same network or over the internet. It is the responsibility of the 3rd party device to initiate the connection when an event occurs.

In order for Camfunction to respond to alarms events, the data arriving must comply to the CCTV Software Alarm Protocol (see below).

CCTV SOFTWARE ALARM PROTOCOL

Camfunction will respond to command strings that comply to the following data structure:

The command strings are made up of the following ASCII characters :

Annnn<CR>

The first character must always be the ASCII character 'A' or 'a'

The last character must always be a carriage return <CR> (ASCII character 13)

The string in between (nnnn) should be the string representation of a number between 1 and 9999.

For example:

A1<CR> -would cause Camfunction to respond to alarm 1

A001<CR> -would cause Camfunction to respond to alarm 1

A35<CR> -would cause Camfunction to respond to alarm 35

A9999<CR> -would cause Camfunction to respond to alarm 9999

ACKNOWLEDGE FUNCTIONAILITY

Camfunction can be configured to send an acknowledgement on reception of an alarm packet. This option can be turned on and off within Camfunction. When the option is turned on Camfunction will send the following packet after receiving a valid alarm packet:

P<CR>