Resetting the IP address with VCSBC4018 and VC40XX Smart Cameras using "Vcnet":

A new tool – the "Vcnet Recovery Tool" is provided for resetting the IP address of the VCSBC4018 and VC40XX cameras. Vcnet Recovery is supported from camera OS VCRT 5.21.

In order to use the VCnet Recovery tool, follow the steps below:

1. Install java runtime environment 1.4.x on the PC. Download: Download J2SE JRE under http://java.sun.com/j2se/1.4.2/download.html
2. Re- boot the camera (hardware reset).
3. Shortly after reconnecting the power supply (there is a 1.5 seconds waiting time included during camera startup), call the following function from the directory of vcnet.jar, specifying the serial number of the camera to reset:

   "java -jar vcnet.jar -snr 5912345"   (further options see below).
4. If a valid vcp packet is received from camera an answer packet is sent (see example below). The camera continues booting in standard configuration:

Default IP address:	192.168.0.65
Mask:	255.255.255.0
Gateway:	none

An autoexec in flash memory is not executed.

Example of resetting a VCSBC4018, S/N 0100151:

```
C:\Programme\VCnet>java -jar vcnet.jar -snr 0100151
VCnet Recovering Tool Version 1.2 - Copyright Vision Components 2005

Recovering Serial Number = 100151

Listening on port 67 for incoming packets!

Packet 2 from: /0.0.0.0

===Data as Text:===

model: VC4018E
S/N:  0100151
DC:   06/10/05 09:23:06
MAC:  00-06-1F-01-87-37
IP:  192.168.0.81
MSK: 255.255.255.0
GTW: 192.168.0.1
….
```

Using Vcnet Recorey Tool Ver. 1.2 it is now possible to set the new IP address, mask and Gateway individually:

Function call:	Camera configuration at next startup:
"java -jar vcnet.jar -snr 5912345 192.168.2.1"	IP = 192.168.2.1
"java -jar vcnet.jar -snr 5912345 192.168.2.1 255.255.0.0"	IP = 192.168.2.1 Mask = 255.255.0.0
"java -jar vcnet.jar -snr 5912345 192.168.2.1 255.255.255.0 192.168.2.254	As above, but in addition setting the gateway to 192.168.2.254

Note:

The IP reset and autopexec bypass is only temporary! In order to change the IP address or autoexec, the corresponding file needs to be changed.
The timeout for receiving packets is set to 15 seconds after start of vcnet.

The "VCnet" Recovery Tool" can be downloaded from the following section: www.vision-comp.com -> Support Menu -> Customer Area -> Software Utilities.