

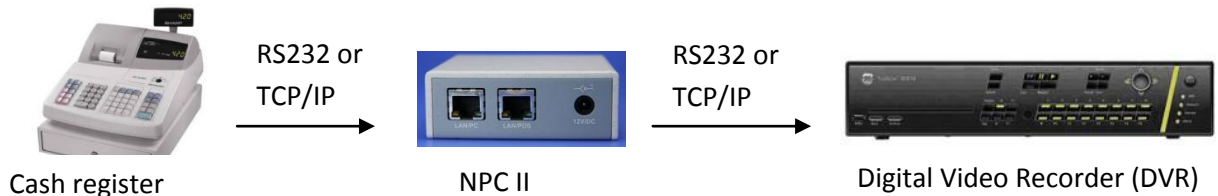
## NPC II - POS and banking solutions

The NPCII has the ability to receive POS or banking data coming via RS232 or TCP/IP. The converter **filters** all the **relevant information** of the transaction data and exports these data in a proper **protocol** which can be received by different DVRs via RS232 or TCP/IP. The unit has two microcontrollers, which communicate to the POS/ATM unit and the DVR system separately. All necessary replies to POS or ATM machines will be operated by the NPCII.

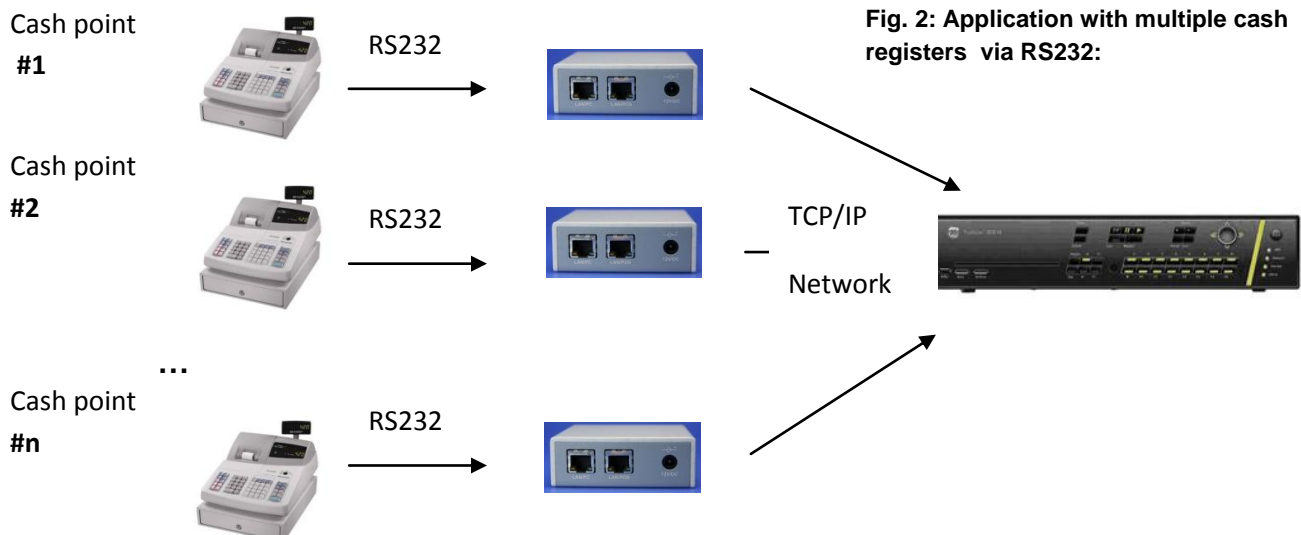
NPC II unit can translate and is doing “decipher” at the same time. Very often you get a lot of junk data over such interfaces. The NPCII converter clean them up and provide the data what is interesting.

The recorder stores the data in the internal data base with a link to the images of the related camera. Using the text search features in the DVR the user can later search for particular transactions.

**Fig. 1: Typical application with one cash register:**

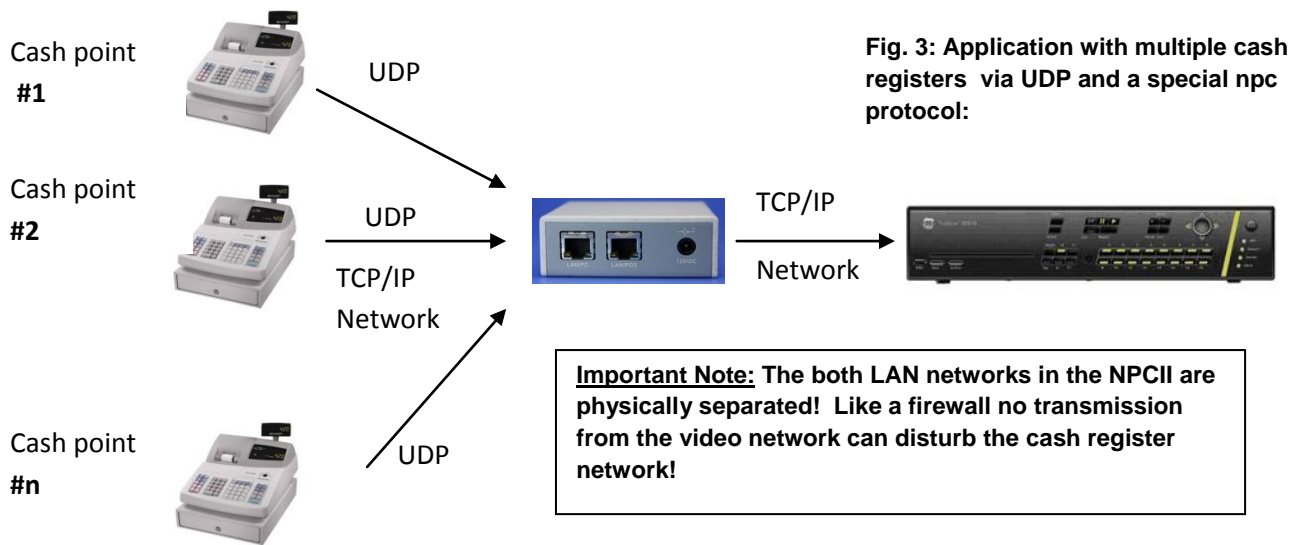


In some projects you have **multiple cash registers**. In most application the data are coming out via RS232. For each cash register you need one NPC converter:



**Fig. 2: Application with multiple cash registers via RS232:**

In some (few) applications the cash register are sending the **transactions data via TCP/IP** (UDP protocol) to one video server. Using a special firmware of npc and a multiple event protocol of DVR in such cases a solution with only one converter is possible:



For banking application in some european countries (e.g. Austria, Germany) the transaction data are provided via RS232 by the ATM device. Using a special ATM protocol in the NPC the connection diagram is as shown in Fig.2.

For many other countries the ATM transaction data can only be captured on the network communication between host and ATM machine:

**Fig. 4: Application with 2 ATM via TCP/IP using a managed switch:**

