

## **Implemented video recording systems (Status 24.4.2024) Version 3.03 or 4.00**

- **Seetec ( Settec5 / Cayuga) \***
- **Geovision (serial or via TCP/IP)**
- **Artec (Multieye)**
- **HeiTel (POS and ATM-mode)**
- **Milestone**
- **ENEO DLR, PNR, HNR. TVR (Videor)**
- **NextLevel \*\***
- **CamIQ\***
- **Dallmeier („LAN Interface for Data Reception", ; UDP)**
- **GeviScope (Geutebrück)**
- **NUUO (general and ATM\*- Mode)**
- **Truvision (UTC)**
- **Digivod**
- **C-MOR**
- **Avigilon**
- **Bosch BVMS**
- **Vectis iX (Vanderbilt/Siemens)**
- **Dahua/ Luna IP**
- **Hikvision**
- **PALLG-Software (SHL POS Software for up to 16 cash points)**
- **CORTROL (GANZ/CBC group)**
- **Hanwha Techwin NVR(Samsung)**
- **Cathexis Vision**
- **Balter NVR**

**\*) Protocol has to be open in „Special“ directory!!!**

**\*\*): special CD necessary. Please ask for it by your request / order !**

## **Protocol-overview of NPCII (updated 24th april 2024)**

*The NPC has been adapted to many external devices where the converter has been field proven.*

*If your device/pos-systems is not listed, please call your dealer for assistance detailing brand and model of the device. In case of POS systems please specify brand/model of the pole display / receipt printer used or which can be supported by the cash register.*

### **ATM: ##### AUTOMATED TELLER MACHINES #####**

Because of their usage site especially in Germany and Austria ATM-Protocols are currently only in the German section available!!! For other protocols /application please ask your NORMA systems dealer!

#### **IBM/Diebold with serial PBM-Protocol:**

Original-Data up to 80 chars of 'Picture Text'	'pbmoriginal'
Version with variable positions Bankcode, Account, Amount	'pbm_var'
Application for „OSPlus SB“ and „APBLevel32/33“ (Finanz IT)	'pbm_FinanzIT'
Application for „Bank21“ (GAD)	'pbm_bank21'
Application VR-Banken of Fiducia	'pbm_fiducia'

#### **SNI / WincorNixdorf :**

ISAC23 (also ZSSB of FinanzIT)	'sni_isac'
--------------------------------	------------

#### **NCR:**

All NCR-Data format("CasinoS-cash")	'NCR_all'
NCR-Data format Bank21 (GAD)	'NCR_bank21'

### **Protocols for Rondo ATM are also available.**

### **ACS : ##### ACCESS CONTROL SYSTEMS #####**

<b>Tesk</b> -Portier60:	'Tesk'
<b>Miniter</b> / Cerberus (RS232/422-converter will be needed!)	'Miniter' **)
<b>Bewator</b> BC420/435	'Bewator'
<b>KEBIN / Pasador</b>	'Kebin'
<b>Portachec</b>	'Portachec'
<b>Preiser</b>	'Preiser'
<b>EDS</b> -card reader	'EDSreader'
<b>InfoControl Z</b> (Inform)	'Infocontrol'

General notes to each ACS-protocol are obtainable as document in the ACS directory.

\*\*) Special information to the protocol is obtainable in the respective directory as separate document!

## **POS : ##### POINT OF SALE (Cash register)#####**

*The NPC emulates many models of cash register. In case of using the converter in connection with a pole display or journal printer set the NPC to the same model/protocol mode as for which the display/printer is configured or which can be supported by the cash register!*

### **Petrol stations:**

<b>Huth</b> -Kasse T400/T450/T500 also cash systems 'OMEGA' ( <b>Tokheim</b> company) and T-Master ( <b>Bungalski</b> )	'Huth' **)
<b>Ratio Elektronik</b> -cash register	'Ratio' **)
<b>Hannemann</b> -Kasse	'Hannemann' **)
<b>DresserWayne</b> - ISM-Nucleus 8 +9 also <b>WINCOR NIXDORF „NAMOS“</b>	'DrWay8+9' **)
<b>Hectronic</b> –cash register (Hector protocol )	'Hectronic' **)
<b>Scheidt&amp;Bachmann</b> protocol 'Adapted video surveillance'	'Sch+Bach' **)
<b>DosTask</b> cash register (KT-series)	'DosTask' **)

### **Retail:**

<b>CASIO</b> (TE7000/8000 bzw. QT-2100/6000-Serie)	'Casio_7000' **)
<b>MICROS Fidelio</b> (VSS 3700-series) via TCP/IP	'Micros3700' **)
<b>AWEK</b> (C-POS cash-LX) TCP/IP version	'Awek' **)
<b>BIZERBA</b> -scale system with TCP/IP video journal	‚Bizerba‘ **)
<b>GK Software</b> ( <u>Video server application; “EDEKA”</u> ) TCP/IP- version	'GKsoft' **)
<b>PC-Cash</b> via TCP/IP video service	‚PC-Cash‘ **)
<b>TCPOS</b> via TCP/IP- Version	'TCPOS' **)
<b>PIXI</b> -cash system with TCP/IP video journal	‚Pixi‘ **)
<b>Lidis</b> -cash systems with TCP/IP video journal	‚Lidis‘ **)
<b>COPAGO</b> -cash systems TCP/IP Videojournal	‚Copago‘ **)

## **Printer emulations:**

*The NPC has to be set to the same model/protocol mode as for which the printer is configured or which can be supported by the cash register!*

### **POS-General**

'POSgeneral' \*\*)

Displaying of up to 40 characters/line with special POS-settings by PC

### **EPSON TM 88/ EPSON TMall**

'POS\_TM88' \*\*)

'POS\_TMall'

Same functions as ,POSgeneral'. Additionally ESC-sequences for EPSON TM-88II/III, TM-U200 (**TM88**), or including status commands (e.g. slip printer TM-U950 with TEC-MA600) will be supported

### **NCR-Printer**

'POS\_PR\_NCR' \*\*)

In addition to the functions as ,POSgeneral' ESC-sequences for NCR receipt printer (7156, 7193, etc.) and compatible (**WNI** TH210/230; **AXIOHM** printers) will be supported

### **IBM-Printer**

,IBM\_ProPr' \*\*)

,IBM\_SmPr'

In addition to the functions as ,POSgeneral' ESC-sequences for IBM-printer series „**ProPrinter III**“ or „**SureMark**“ will be supported

### **STAR-Printer**

,STARmode' \*\*)

In addition to the functions as ,POSgeneral' ESC-sequences for **STAR linemode** printers (e.g. TSP200, SP2000 etc.) will be supported

### **CITIZEN-Printer**

,CitizenCBM1' \*\*)

,CitizenCBM2'

In addition to the functions as ,POSgeneral' ESC-sequences for CBM (Citizen printer; **CBM I and II**)-command mode (e.g. iDP 355x; iDP342x; CBM910/920 )

\*\* ) Special information to the protocol is obtainable in the respective directory as separate document!

## **Pole displays emulations:**

*The NPC has to be set to the same model/protocol mode as for which the pole display is configured or which can be supported by the cash register!*

<b>VECTRON</b> -cash register (pole display) (POS-Mini, POS-Micro, POS-Vario, Colour-Touch, Modular)	'Vectron_1x' **) 'Vectron_sc'
<b>Samsung / Multidata</b> –cash register models ER-380/420M,ER-600/650,ER-52xx	'Samsung_1x' **) 'Samsung_sc'
<b>CD5220 (Partner Tech)</b> pole display such as <b>Bixolon BCD-1000 / Citizen C2202</b>	'EPSCDpole1x ' **). 'EPSCDpoleSC'
<b>EMAX emulation mode</b> pole display such as <b>IEE PDK-013</b>	'EPSCDpole1x ' **) 'EPSCDpoleSC'
<b>WINCOR NIXDORF</b> pole display for e.g. <b>BA63</b> and compatible	'WNIpole1x' **) 'WNIpoleSC'
<b>NCR</b> pole display with emulation “ <b>NCR Retail</b> –Display Commands”	'NCR_RTpole1x' **) 'NCR_RTpoleSC'
<b>NCR</b> pole display with emulation “ <b>NCR RealPOS 21</b> Standard Mode”	'NCR_RPpole1x' **) 'NCR_RPpoleSC'
<b>EPSON</b> pole display (e.g. DM-D 110/210) and compatible displays with <b>ESC/POS</b> emulation e.g. using <b>Sharp UP-X300/UP 8xx</b> cash registers	'EPSCDpole1x ' **) 'EPSCDpoleSC'
<b>ICD2002 (Puritron; Kalisch)</b> pole display using ICD2002- or LD220 Emulation	'ICDpole1x' **) 'ICDpoleSC'
<b>UTC emulation mode</b> (standard/enhanced) such as for <b>UltimateTechnology PD1200/1100</b>	'UTCpole1x ' **) 'UTCpoleSC'
<b>Logic Control emulation mode</b> such as for PD3000/PD6000	'UTCpole1x ' **) 'UTCpoleSC'
<b>NORITAKE emulation mode</b> such as for <b>PosiFlex</b> 2100/2200	'Noritake1x ' **) 'NoritakeSC'
<b>AEDEX emulation mode</b> e.g. PSD220	'AEDEXpole1x ' **) 'AEDEXpoleSC'
<b>JARLTECH emulation mode</b> such as for Jarltech 8034/8003/8004 or Vectron C10	'Jarltech1x ' **) 'JarltechSC'
<b>IEE emulation mode</b> pole display such as for IEE PDK-211, PD8000	'IEEpole1x ' **) 'IEEpoleSC'
<b>DSP800 emulationsmode</b> such as for Gigatek DSP800-05, STAR SCD-400	'DSP800pole 1x **) 'DSP800pole SC'**)

\*\*) Special information to the protocol is obtainable in the respective directory as separate document!