

Software Information Sheet



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General Information

| | | | | | | | | |
|---|--|----------------|---------------|-------------|----------------------------|----------------|-------------------------|----------------|
| Model Name: | iVIZION-101-SH | | | | SW.Reg. No. | | C14-0637-01 | G14-288 |
| SW. Name: | iVIZION-101(RUS)-SH ID-003 | | | | Date: (mm,dd,yyyy) | | 07.29.2014 | Rev: A1 |
| SW. Version: | V2.19-33 | | | | Note: | | - | |
| Country (Code): | Russia (RUS) | | | | Guide: | | None | |
| Currency: | Ruble | | | | CRC (seed= 0000): | | B7A3 | |
| Direction: | 4Way | | | | CRC32 (seed= 0000): | | 02C0C84E | |
| Denomination: Years & MRI Ident # MRI Bankers' Guide to Foreign Currency 79 th Edition | Denomi. | Printed | Issued | MRI# | Denomi. | Printed | Issued | MRI# |
| | 10 | '97 | '04 | RUB10.1 | 500 | '97 | '04 | RUB500.2 |
| | 10 | '97 | '04 | RUB10.2 | 500 | '97 | '11 | RUB500.3 |
| | 50 | '97 | '98 | RUB50.1 | 1000 | '97 | '01 | RUB1000.1 |
| | 50 | '97 | '04 | RUB50.2 | 1000 | '97 | '04 | RUB1000.2 |
| | 100 | '97 | '98 | RUB100.1 | 1000 | '97 | '10 | RUB1000.3 |
| | 100 | '97 | '04 | RUB100.2 | 5000 | '97 | '06 | RUB5000.1 |
| | 500 | '97 | '98 | RUB500.1 | 5000 | '97 | '10 | RUB5000.2 |
| Acceptance Rate: | No less than 98% | | | | | | | |
| ACCLOAD Program | ACCLOAD3 | | | | | | | |
| Barcode Ticket: | Accepts JCM specified barcode tickets. | | | | | | | |
| ICB | Not supported | | | | | | | |
| JCM Tool Suite | JCM Tool Suite | | | | Version 1.26 | | Update Pack: Non | |
| | JCM Downloader for Suite Edition | | | | Version 1.7.0.0 | | | |
| | ACCLOAD3 for Suite Edition | | | | Version 3.16.0.0 | | | |
| | iVIZION Calibration Tool for Suite Edition | | | | Version 1.61.0.0 | | | |
| | iVIZION Performance Tool for Suite Edition | | | | Version 1.32.0.0 | | | |
| | iVIZION Utility Tool for suite Edition | | | | Version 1.6.0.0 | | | |
| Modifications: | V1.96-28 → V2.19-33 | | | | | | | |

| | |
|-------------|---|
| Validation: | <ol style="list-style-type: none"> Enhanced CF countermeasures for 50('04), 100('04), 500('04), 1000 ('04), 1000 ('10) and Ruble note. Added CF countermeasures for 500('10), 5000('06) and 5000 ('10) Ruble note. |
| Operation: | <ol style="list-style-type: none"> Addition of Sequence LOG function. Improvement of Stacker sensor adjustment processing for support dirty BOX Improvement of the sensor control (change of the lighting period) Improvement of Stacker sensor check processing in idle status Fixed reset process problem when sending reset after Stacker Home error occurs while insert bill Improvement of the sensor control(change of the Adjustment Value of ST-Home, NearFull, Feed-out) Improvement of Feed-out sensor adjustment processing for support dirty lens. Rear USB Line supported Tool Suite command in Test Mode. Modified error notification "Failure" to "Stacker JAM" of the GLI Power recovery problem (only when ICB is Disable) Fixed the Head JAM auto recovery in reset. Fixed the insertion counter of ICB when Notes Rejected by the INHIBIT. Change within the range of reading of Barcode (JACPOT Ticket is not read). Fixed the Head JAM auto recovery in reset.(Polymer Note) Modified main to give the country more access to the edge routine functions and edge points. Modified the bill edge routine to skip the calibration rectangle area in the image. Protection of processing when note comes off by white edge. Fixed problem of accepting note while in ICB Asset Mode (dipswitch 1, 3 and 8 on) Improvement of the monitoring time of conveyance to a storage starting position Fixed the problem of Model number Check.(support "101") |
| Interface: | <ol style="list-style-type: none"> Improvement of Initial Status notification timing after "Reset Command" is received Fixed the problem of not sending STACKED status when stacker full Fixed problem of test mode not working in acceptance test when inserting the second bill. Fixed problem if sending Reset command while power recovery with bill in Stacker, the initialize process cannot finish and failure AF occurs. Added the Authentication code function. |
| Memo: | <ul style="list-style-type: none"> Software Download in ID-003 is not guaranteed for Baud rate 38400bps. |

Dip Switch Settings

| # | Dip Switch | | |
|---|------------|-------------|---------|
| 1 | OFF | Setting OFF | |
| | ON | Setting OFF | |
| 2 | OFF | 5000 | ACCEPT |
| | ON | 5000 | INHIBIT |
| 3 | OFF | 10 | ACCEPT |
| | ON | 10 | INHIBIT |
| 4 | OFF | 50 | ACCEPT |
| | ON | 50 | INHIBIT |
| 5 | OFF | 100 | ACCEPT |
| | ON | 100 | INHIBIT |
| 6 | OFF | 500 | ACCEPT |
| | ON | 500 | INHIBIT |
| 7 | OFF | 1000 | ACCEPT |
| | ON | 1000 | INHIBIT |
| 8 | OFF | OFF | |
| | ON | Test Mode | |

ID-003 Data Setting specification

VERSION DATA

| | |
|--------------|---|
| SW. Version | i(RUS)101-SH ID003-05V219-33 28JUL14 B7A3 |
| Boot Version | B03/B04/B05 |

ESCROW DATA

| Code | Denomination |
|------|--------------|
| 61h | Reserved |
| 62h | Reserved |
| 63h | 10 |
| 64h | 50 |
| 65h | 100 |
| 66h | 500 |
| 67h | 1000 |
| 68h | 5000 |

CURRENCY ASSIGN DATA

| Code | Country | Denomination | Exp. |
|------|---------|--------------|------|
| 61h | 00h | 00h | 00h |
| 62h | 00h | 00h | 00h |
| 63h | 27h | 01h | 01h |
| 64h | 27h | 05h | 01h |
| 65h | 27h | 0Ah | 01h |
| 66h | 27h | 32h | 01h |
| 67h | 27h | 64h | 01h |
| 68h | 27h | 32h | 02h |

ENABLE/DISABLE DATA

| DATA bit | Data 1 | Data 2 |
|----------|----------|----------|
| 0 | Reserved | Reserved |
| 1 | Reserved | Reserved |
| 2 | 10 | Reserved |
| 3 | 50 | Reserved |
| 4 | 100 | Reserved |
| 5 | 500 | Reserved |
| 6 | 1000 | Reserved |
| 7 | 5000 | Reserved |

0: Enable 1: Disable (Default: 0300h)

SECURITY DATA

| DATA bit | Data 1 | Data 2 |
|----------|----------|----------|
| 0 | Reserved | Reserved |
| 1 | Reserved | Reserved |
| 2 | 10 | Reserved |
| 3 | 50 | Reserved |
| 4 | 100 | Reserved |
| 5 | 500 | Reserved |
| 6 | 1000 | Reserved |
| 7 | 5000 | Reserved |

0: Normal 1: Security Level high (Default: 0000h)

DIRECTION DATA

| DATA bit | Direction | Sample demonination:100 |
|----------|---------------|-------------------------|
| 0 | 'A' Direction | |
| 1 | 'B' Direction | |
| 2 | 'C' Direction | |
| 3 | 'D' Direction | |
| 4 | Not used | |
| 5 | Not used | |
| 6 | Not used | |
| 7 | Not used | |

0: Not Inhibit 1: Inhibit (Default: 00h)

OPTIONAL FUNCTION DATA

| DATA bit | Data 1 | Data 2 |
|----------|-------------------------------|----------|
| 0 | Not used | Not used |
| 1 | Power Recovery [02] | Not used |
| 2 | Not used | Not used |
| 3 | 24char bar ticket accept [08] | Not used |
| 4 | Not used | Not used |
| 5 | Nearly Full [20] | Not used |
| 6 | Not used | Not used |
| 7 | Encryption [80] | Not used |

0: Disable 1: Enable (Default: 0000h)

BAR CODE FUNCTION DATA

| | Code | Function |
|--------|------|-----------------------------------|
| Data 1 | 01h | Barcode type (interleaved 2 of 5) |
| Data 2 | 12h | Character length (18 char) |

[02] POWER RECOVERY

Limited to the case where power up status is [POWER UP WITH BILL IN STACKER] with power supply off while ACCEPTOR is in [STACKING] status, [VEND VALID] is outputted in case initializing is completed normally.
Since SETTING STATUS becomes DEFAULT 0000H by power supply off, it is necessary to conduct setting without fail after [RESET] command is transmitted.

[08] 24-digit Barcode Ticket Acceptance

Assigned Optional Function "Data 1, bit 3" to enable / disable 24-digit barcode tickets.

① Set "0": only 18-digit barcode tickets will be accepted (default setting)

② Set "1": both 18-digit and 24-digit barcode tickets will be accepted

This setting command is accepted during the initial status only.

The last barcode ticket number registered in the ICB shows the first 18 digits only even if 24-digit barcode is accepted because the ICB supports only up to 20 digits.

[20] Nearly Full Function

The Nearly Full function will be enabled when "1" is set in the OPTIONAL FUNCTION DATA Bit 5.

The "NEARLY FULL" status will be sent when the quantity of the stored notes exceeds the specified amounts as a response to the Status Request only after the "STACKED" status. The "IDLING" status will be sent to the next Status Request.

[80] Encryption

When the "1" is set in the OPTIONAL FUNCTION DATA Bit7 the ENCRYPTION will be enabled.

When the ENCRYPTION is enabled, the ESCROW and VEND VALID messages will be encrypted.

For more details, please refer to another document, "ID-003 Encryption Procedure".

iVIZION Additional Commands/Responses

ICB Box Number Setting Request (Read out ICB BOX No. installed in ACCEPTOR)

Command Format (Controller -> Acceptor)

| SYNC | LNG | CMD | CRC |
|------|-----|-----|-----|
|------|-----|-----|-----|

SYNC : [FCH]

LNG : [05H] (Total number of bytes from SYNC to CRC)

CMD : [8EH]

CRC : Check Code by CRC (2byte)

For details, refer to ID-003 Communication Specifications.

Response Format (Acceptor -> Controller)

| SYNC | LNG | CMD | DATA | CRC |
|------|-----|-----|------|-----|
|------|-----|-----|------|-----|

SYNC : [FCH]

LNG : [19H] (Total number of bytes from SYNC to CRC)

CMD : [8EH]

DATA : ICB BOX No. (ASCII CODE)

MAX 20Byte.

Code should be from 20H to 7EH.

If the number of characters are less than 20, be sure to fill the blank space with the space code (20H) .

CRC : Check Code by CRC (2byte)

For details, refer to ID-003 Communication Specifications.

*Be sure to use this command in a wait state (IDLING or Disable STATUS), since the number is updated after initial operation (read out from ICB).

Nearly Full

Response Format (Acceptor -> Controller)

| SYNC | LNG | CMD | CRC |
|------|-----|-----|-----|
|------|-----|-----|-----|

SYNC : [FCH]

LNG : [05H] (Total number of bytes from SYNC to CRC)

CMD : [1CH]

CRC : Check Code by CRC (2byte)

For details, refer to ID-003 Communication Specifications.

ICB Enable/Disable Setting Command

Command Format (Controller -> Acceptor)

| SYNC | LNG | CMD1 | CMD2 | DATA | CRC |
|------|-----|------|------|------|-----|
|------|-----|------|------|------|-----|

SYNC : [FCH]

LNG : [07H]

CMD1 : [B1H]

CMD2 : [C0H]

DATA : [00H]:ICB Enable

: [01H]:ICB Disable

CRC : Check Code by CRC (2byte)

For details, refer to ID-003 Communication Specifications.

Response Format (Acceptor -> Controller)

| SYNC | LNG | CMD1 | CMD2 | DATA | CRC |
|------|-----|------|------|------|-----|
|------|-----|------|------|------|-----|

SYNC : [FCH]

LNG : [07H]

CMD1 : [B1H]

CMD2 : [C0H]

DATA : [00H]:ICB Enable

: [01H]:ICB Disable

CRC : Check Code by CRC(2byte)

For details, refer to ID-003 Communication Specifications.

ICB Setting Request

Command Format (Controller -> Acceptor)

| SYNC | LNG | CMD1 | CMD2 | CRC |
|------|-----|------|------|-----|
|------|-----|------|------|-----|

SYNC : [FCH]

LNG : [06H]

CMD1 : [B1H]

CMD2 : [80H]

CRC : Check Code by CRC(2byte)

For details, refer to ID-003 Communication Specifications.

Response Format (Acceptor -> Controller)

| SYNC | LNG | CMD1 | CMD2 | DATA | CRC |
|------|-----|------|------|------|-----|
|------|-----|------|------|------|-----|

SYNC : [FCH]

LNG : [07H]

CMD1 : [B1H]

CMD2 : [80H]

DATA : [00H]: ICB Enable Status

: [01H]: ICB Disable Status

CRC : Check Code by CRC(2byte)

For details, refer to ID-003 Communication Specifications.

Bookmark command

Command Format (Controller -> Acceptor)

| SYNC | LNG | CMD | CRC |
|------|-----|-----|-----|
|------|-----|-----|-----|

SYNC :[FCH]

LNG :[05H]

CMD :[4AH]

CRC :Check Code by CRC(2byte)

For details, refer to ID-003 Communication Specifications.

Response Format (Acceptor -> Controller)

| SYNC | LNG | ACK | CRC |
|------|-----|-----|-----|
|------|-----|-----|-----|

SYNC :[FCH]

LNG :[05H]

ACK :[50H]

CRC :Check Code by CRC(2byte)

For details, refer to ID-003 Communication Specifications.

Serial read command

Command Format (Controller -> Acceptor)

| SYNC | LNG | CMD | CRC(L) | CRC(H) |
|------|-----|-----|--------|--------|
|------|-----|-----|--------|--------|

SYNC :[FCH]

LNG :[05H]

CMD :91H(Serial Number Request Command)

CRC(L) :CRC (Lower Byte)

CRC(H) :CRC (Upper Byte)

2) Response Format (Acceptor -> Controller)

| SYNC | LNG | CMD | DATA1 | ... | DATA12 | CRC(L) | CRC(H) |
|------|-----|-----|-------|-----|--------|--------|--------|
|------|-----|-----|-------|-----|--------|--------|--------|

SYNC :[FCH]

LNG :[11H]

CMD :91H (Serial Number Request Command)

DATA1 :Serial Number (Upper Byte)

:

DATA12 :Serial Number (Lower Byte)

CRC(L) :CRC (Lower Byte)

CRC(H) :CRC (Upper Byte)