

Software Information Sheet



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General Information

Model Name:	iVIZION-100-SS/SU				SW Req. No.		C17-0947-01	G17-525	
SW. Name:	iVIZION-100(RUS)-SS/SU ID-003				Date: (mm,dd,yyyy)		12.07.2017	Rev:	A1
SW. Version:	V2.80-43				Note:		-		
Country (Code):	Russia (RUS)				Guide:		Non		
Currency:	Ruble				CRC (seed= 0000):		5F42		
Direction:	4Way				CRC32 (seed= 0000):		FA7A2A92		
Denomination: Years & MRI Ident # MRI Bankers' Guide to Foreign Currency 88 th Edition	Denomi.	Printed	Issued	MRI#	Denomi.	Printed	Issued	MRI#	
	10	'97	'04	RUB10.1	500	'97	'11	RUB500.3	
	10	'97	'04	RUB10.2	1000	'97	'01	RUB1000.1	
	50	'97	'98	RUB50.1	1000	'97	'04	RUB1000.2	
	50	'97	'04	RUB50.2	1000	'97	'10	RUB1000.3	
	100	'97	'98	RUB100.1	2000	'17		RUB2000.1	
	100	'97	'04	RUB100.2	5000	'97	'06	RUB5000.1	
	200	'17		RUB200.1	5000	'97	'11	RUB5000.2	
	500	'97	'98	RUB500.1					
	500	'97	'04	RUB500.2					
Acceptance Rate:	No less than 98%								
ACCLOAD Program	ACCLOAD3								
Barcode Ticket:	Accepts JCM specified barcode tickets.								
ICB	ICB feature is enabled or disabled with ICB Enable / Disable setting barcode ticket, Utility Function of JCM Suite or with ICB Enable / Disable Command of ID-003.								
JCM Tool Suite	JCM Tool Suite				Version1.37.1		Update Pack: Non		
	JCM Downloader for Suite Edition				Version 1.9.0.0				
	ACCLOAD3 for Suite Edition				Version 3.18.4.0				
	iVIZION Calibration Tool for Suite Edition				Version 1.63.0.0				
	iVIZION Performance Tool for Suite Edition				Version 1.35.0.0				
	iVIZION Utility Tool for suite Edition				Version 1.6.0.0				
Modifications:	V2.60-39➔ V2.80-43								
Validation:	1. Add acceptance for new RUB200.1 and RUB2000.1 2. Improved the acceptance and security for all denominations.								
Operation:	3. Add addition Box type information in ICB 4. Modified the UV sensor to light up while standby (except an error).								
Interface:	5. Support multi-barcode ticket 6. Modified iVIZION so that it is initialized when an error is cleared after a bill had jammed at the entrance (JAM in Acceptor). 7. Modified power recovery operation. If the validator powers up and the bill is no longer present, even though it detected it before the power off, iVIZION reports Stacker Jam(error code: JAM in Stacker).								
Memo:	• Software Download in ID-003 is not guaranteed for Baud rate 38400bps. • With DNA support.								

Dip Switch Settings

#	Dip Switch		
1	OFF	200	ACCEPT
	ON	200	INHIBIT
2	OFF	2000/5000	ACCEPT
	ON	2000/5000	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	Setting OFF	
	ON	Test Mode	

ID-003 Data Setting specification

VERSION DATA

SW. Version	i(RUS)100-SS ID003-05V280-43 07DEC17 5F42
Boot Version	B03/B04/B05

ESCROW DATA

Code	Denomination
61h	200
62h	2000
63h	10
64h	50
65h	100
66h	500
67h	1000
68h	5000

CURRENCY ASSIGN DATA

Code	Country	Denomination	Exp.
61h	27h	14h	01h
62h	27h	14h	02h
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	200	Reserved
1	2000	Reserved
2	10	Reserved
3	50	Reserved
4	100	Reserved
5	500	Reserved
6	1000	Reserved
7	5000	Reserved

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

SECURITY DATA

DATA bit	Data 1	Data 2
0	200	Reserved
1	2000	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)
	FFh	Multi Barcode Ticket acceptance in the range of length 16, 18 and 24 characters.

[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.