

CUSTOM COMMAND OF VK-S274R SERIES

[REV. 1.0]

This manual applies following models:

<NTSC>	VK-S274R	
<PAL>	VK-S274ER	(Not Complete)
<EIA>	VK-K274R	(Not Complete)
<CCIR>	VK-K274ER	(Not Complete)

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[Note]  is difference of data between VK-S274 series and VK-S274R series.

PART ONE

• SPECIFICATION

1. Communication protocol

Communication between the microcomputer of the camera and the PC is available by using the RS-232C protocol. The microcomputer receives each control command given by the PC and echoes it back to the PC.

2. Connect condition

Data length	8 bit
Stop bit	1 bit
Parity	even / non
Baudrate	4800 / 9600 / 19200 / 38400 / 57600 bps

3. Communication data format

All communication data consist of eight or ten ASCII characters (8 bytes or 10 bytes).

The format of the communication data is shown in Fig.1.

a) Normal command

Communication data start with the character ":"(colon).

b) Special command

Communication data start with the character "/"(slash).

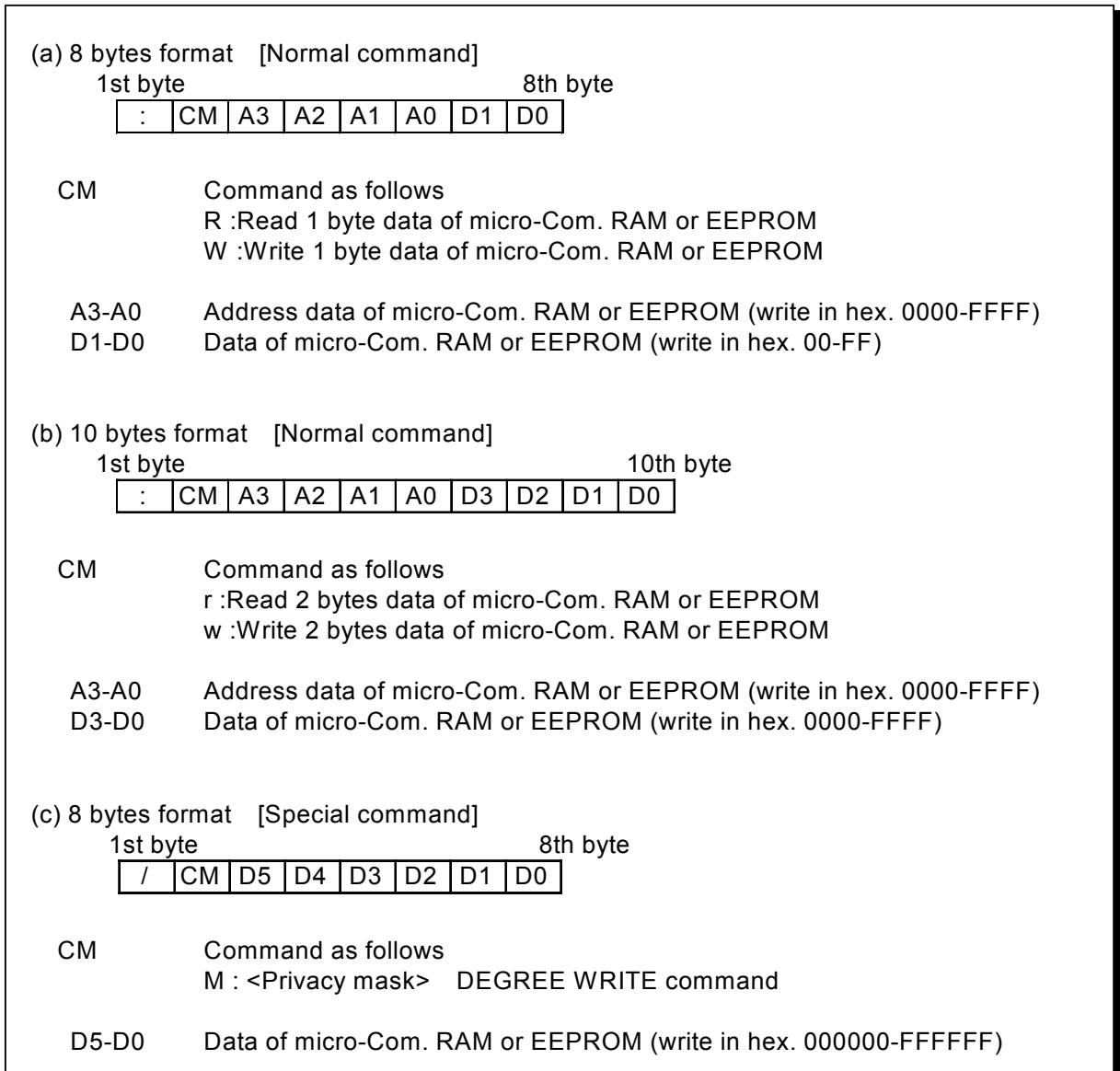


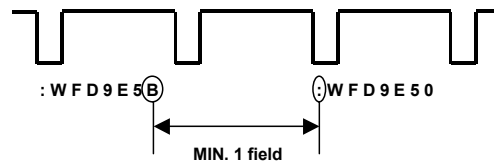
Fig. 1 Communication data format

4. Command timing

a) Write command timing

Writing commands space requirement is 1 field.

< Write timing >

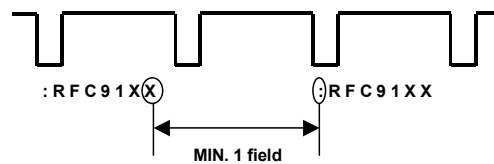


b) Read command timing

i) 4800bps

Reading commands space requirement is 1 field.

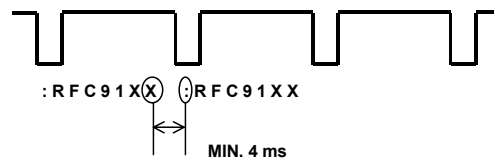
< Read timing >



ii) The other baudrate (9600bps, 19200bps, 38400bps, 57600bps)

Reading commands space requirement is 4ms.

< Read timing >



c) Timing table program AE command
[Please attached Fig. 2]

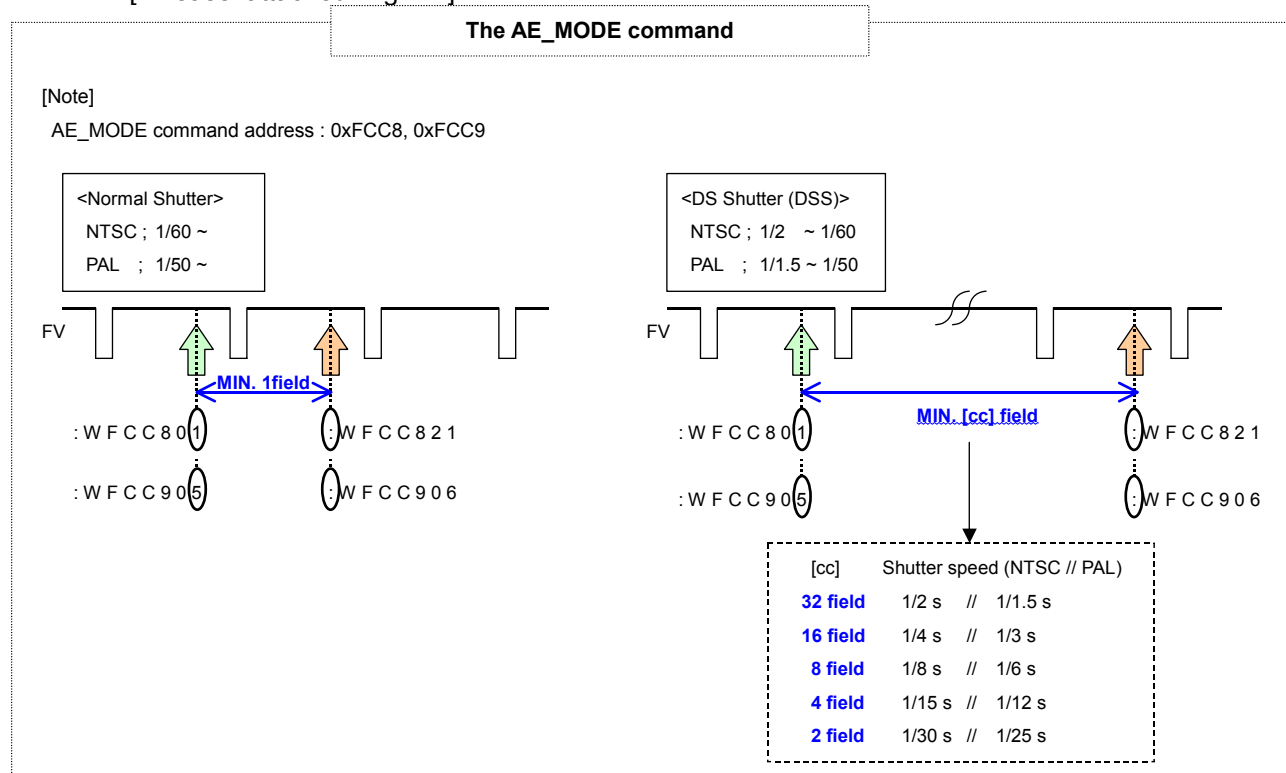


Fig. 2 Changed to AE_MODE timing

d) Timing table after ZOOM commands (DSS mode only)
[Please attached Fig. 3]

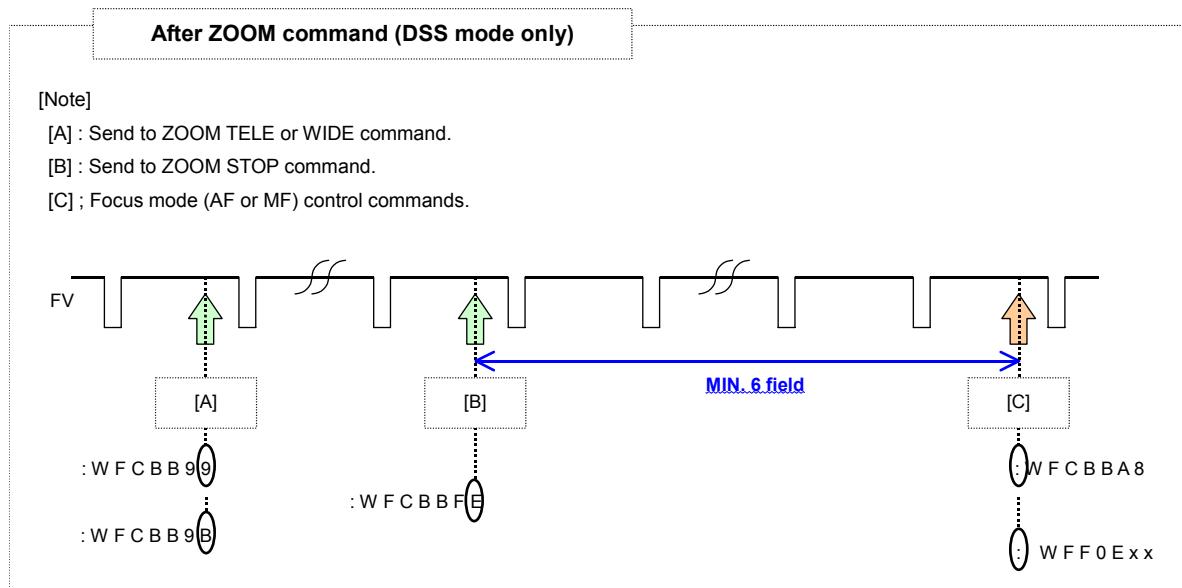


Fig. 3 After ZOOM commands timing

PART
TWO

- WHITE BALANCE MODE

1. White Balance mode

The following table 1 ; WB mode which can be operated by VK-S274R/ER.

Table 1. White Balance mode

Mode	Note
Normal Mode	[default]
Custom Mode	Compatible with VK-S274/E

- a) Comparison for Normal Mode and Custom Mode (Compatible with VK-S274/E)
Table 2. shows setting data for each mode.

Table 2. Normal Mode / Custom Mode comparison

Address	size	Normal mode		Custom mode		Note
		VK-S274R	VK-S274ER	VK-S274R	VK-S274ER	
\$B4AC	Word	[alignment values]		H'00F5	H'00F5	Data are initial factory alignment values. Which will be different value for each camera.
\$B4AE	Word	[alignment values]		H'1292	H'1292	
\$B4B1	Byte	H'83	H'94	H'58	H'58	
\$B4B3	Byte	H'97	H'9F	H'FF	H'FF	
\$B4B5	Byte	H'40	H'47	H'01	H'01	
\$B4BC	Byte	H'27	H'27	H'06	H'06	
\$B4C4	Byte	H'9D	H'9D	H'BF	H'BF	
\$B4C5	Byte	H'89	H'85	H'BF	H'BF	
\$B4C6	Byte	H'30	H'30	H'3F	H'3F	
\$B4C7	Byte	H'09	H'09	H'3F	H'3F	
\$B4CD	Byte	H'00	H'00	H'00	H'00	
\$B4CE	Byte	H'1D	H'1C	H'03	H'03	
\$B9CA	Byte	H'97	H'A0	H'FF	H'FF	
\$B9CD	Byte	H'4A	H'50	H'01	H'01	
\$B9D0	Byte	H'98	H'95	---	H'FF	No data is required for VK-S274R
\$B9EE	Byte	H'02	H'02	H'00	H'00	
\$B9ED	Byte	H'A0	H'A0	H'00	H'00	

• APPENDIX

REV. No.	DATE	Firmware Version				Contents
		VK-S274R	VK-S274ER	VK-K274R	VK-K274ER	
1.0	2003/01/22	Ver. 1.02	<i>Not Complete</i>	<i>Not Complete</i>	<i>Not Complete</i>	New Release