

# ***Color Camera Module***

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**Additional command list  
FW revision 2.00**



**FCB-EV5500  
FCB-EV7500  
FCB-EV7100**

## Register Setting

The register settings are enabled when the power is turned off and then back on again. After turning the power back on again, verify that the mode settings have been changed.

	Register No.	Value	
VISCA Baud Rate	00	00 (Initial setting)	9600 bps
		01	19200 bps
		02	38400 bps
		03	115200 bps
Monitoring Mode	72	01 (Initial setting)	1080i/59.94
		02	1080i/60.00
		03	NTSC Analog Output (Stop Digital Output)
		04	1080i/50
		05	PAL Analog Output (Stop Digital Output)
		06	1080p/29.97
		07	1080p/30.00
		08	1080p/25
		09	720p/59.94
		0A	720p/60.00
		0B	Reserved
		0C	720p/50
		0D	Reserved
		0E	720p/29.97
		0F	720p/30.00
			10
	11	720p/25	
	12	Reserved	
	13	1080p/59.94	
	14	1080p/50	
	15	1080p/60	
Output Enabling	73	01	Analog Output enabled
		02	Digital Output enabled
		03 (Initial setting)	Both Analog/Digital Output enabled
LVDS Mode	74	00 (Initial setting)	Single output
		01	Double output
Low Latency Mode	75	00 ( default )	Normal Mode
		01	Low Latency Mode
	51	00-FF (Initial setting: 00)	Tele Limit (0: Disabled)
D-Zoom Max	52	00-EB (Initial setting: EB)	Max. digital zoom ratio = 256 ÷ (256-Value)
"StableZoom"	53	00 (Initial setting: 00)	OFF
		01	ON

	Register No.	Value	
FocusTrace @ZoomDirect	54	00	OFF
		01 (Initial setting: 01)	ON
FocusOffset @DomeCover	55	00-FF (Initial setting: 00)	00: None to FF: Max.
Change AE setting when VE On, and Defog On	58	00	OFF
		01 (Initial setting)	ON
Auto slow shutter limit	59	01	1/30s
		02	1/15s
		03	1/8s
		04 (Initial setting)	1/4s
		05	1/2s
		06	1/1s
Extended shutter	5A	00 (Initial setting)	OFF
		01	1/30s
		02	1/15s
		03	1/8s
		04	1/4s
		05	1/2s
Extended Mode	5F	00	OFF
		bit: 0 Exposure compensation Extended 256 levels On/Off	
		bit: 1 Aperture Extended 256 levels On/Off	
		bit: 2 Color Gain/Hue Extended 256 levels On/Off	
		bit: 3 Auto ICR OFF→ON setting enable On/Off	
		*For all of bit, 1 is to activate, 0 is OFF	

## Additional command

## Low Latency Mode

The following functions are not available when low latency mode is activated.

- E Zoom
- Image Stabilizer
- Distortion Correction

Command Set	Command	Command Packet	Result of Low Latency Mode
CAM_DZoom	On	8x 01 04 06 02 FF	Command not executable (X0 6Y 41 FF)
	Off	8x 01 04 06 03 FF	
	Combine Mode	8x 01 04 36 00 FF	
	Separate Mode	8x 01 04 36 01 FF	
	Stop	8x 01 04 06 00 FF	
	Tele(Variable)	8x 01 04 06 2p FF	
	Wide(Variable)	8x 01 04 06 3p FF	
	x1/Max	8x 01 04 06 10 FF	
	Direct	8x 01 04 46 00 00 0p 0q FF	
CAM_Stabilizer	On	8x 01 04 34 02 FF	
	Off	8x 01 04 34 03 FF	
	Hold	8x 01 04 34 00 FF	

Inquiry Command	Command Packet	Result of Low Latency Mode	Meaning
CAM_DZoomModelnq	8x 09 04 06 FF	X0 50 03 FF	DZoom Off
CAM_DZoomC/SModelnq	8x 09 04 36 FF	X0 50 00 FF	Combine Mode
CAM_DZoomPoslnq	8x 09 04 46 FF	X0 50 00 00 00 00 FF	DZoom Position = 00h
CAM_StabilizerModelnq	8x 09 04 34 FF	X0 50 03 FF	Stabilizer Off

### Change AE setting when VE ON and Defog ON

	Register No.	Value	
Change AE setting when VE On, and Defog On	58	00	OFF
		01	ON
		(Initial setting)	

### CAM\_WD status affect AE mode as following table

	Register No.	Value	CAM_WD	AE mode				
				Full Auto	Manual	Shutter Priority	Iris Priority	Bright
Change AE setting when VE On, and Defog On	58	0	WD OFF					
			VE ON					
			WD ON	○	×	×	×	×
		1	WD OFF	○	○	○	○	○
			VE ON					
			WD ON	○	×	×	×	×