# **VISCA Protocol**

9600, 19200, 38400bps 8bit data 1stop bit none parity Format:

|         | Command Packet (3~ 16bytes) | Comments  |
|---------|-----------------------------|---|
| Inquiry | 8X QQ RR FF                 | 8X: 0x80+Sender addr(H nibble)+Recv addr(L nibble) addr(1~7) Q0: 01-Command/ 00-Inquiry RR: Category 00(Interface) 04(cam1) 06(Pan/Tilt) 07(cam2) FF: Terminator (0xff) |

|                        | Reply Packet |                                    |
|------------------------|--------------|------------------------------------|
| Completion messagi ACK | X0 4Y FF     | X = 9 to F: FCB camera address + 8 |
| Completion (command    | ds X0 5Y FF  | Y: socket number                   |
| Completion (Inquiries) | X0 5Y FF     |                                    |

|               |       | Reply Packet |   |
|---------------|-------|--------------|---|
| Error message | Error | X0 6Y 01 FF  | Message length error (>14 bytes)                      |
|               |       | X0 6Y 02 FF  | Syntax Error  |
|               |       | X0 6Y 03 FF  | Command buffer full                                   |
|               |       | X0 6Y 04 FF  | Command cancelled                                     |
|               |       | X0 6Y 05 FF  | No socket (to be cancelled)                           |
|               |       | X0 6Y 41 FF  | Command not executable                                |
|               |       |              | X = 9 to F: FCB camera address + 8, Y = socket number |

| Command          | cancel | 8X 2Y FF | X = 1 to 7: FCB camera address, |
|------------------|--------|----------|---------------------------------|
| execution cancel |        |          | Y = socket number               |

| Network<br>Change Address | Address        | 88 30 01 FF . | Always broadcasted                 |
|---------------------------|----------------|---------------|------------------------------------|
| _                         | Network Change | V0.38 EE      | Y = 0 to E: ECB camera address + 8 |

|                    | Command Packet   | Reply Packet   |
|--------------------|------------------|----------------|
| IF_Clear           | 8X 01 00 01FF    | X0 50 FF       |
| IF_Clear (broadcas | ) 88 01 00 01 FF | 88 01 00 01 FF |

|                | Inquiry Packet | Reply Packet                  |  |
|----------------|----------------|-------------------------------|--|
| CAM_VersionInq | 8X 09 00 02 FF | Y0 50 GG GG HH HH JJ JJ KK FF | GGGG = Vender ID(0020: Sony) HHHH = Model ID(045C: FCB-EH4300) JJJJ = ROM revision KK = Maximum socket #(02) |

| <br>                          |
|-------------------------------|
| Supported Command             |
| Supported Specific Model Only |
| not Supported Command         |

| Command | Set |
|---------|-----|
|         |     |

| AddressSet<br>IF_Clear | Broadcast            | 88 30 01 FF                               |      |                         | A 1.1  |
|------------------------|----------------------|---|------|-------------------------|--|
| IF Clear               |                      |   |      |                         | Address setting  |
|                        | Broadcast            | 88 01 00 01 FF                            |      |                         | I/F Clear  |
| ClockSet               | Broadcast            | 88 01 00 03 HH MM SS dd mm 0t 0u 0v 0w FF |      |                         | HH: hours MM: minutes SS: seconds dd: day mm: month tuvw: year |
| CommandCancel          |                      | 8x 2p FF                                  |      |                         | p: Socket No. (=1 or 2)  |
| CAM Power              | On                   | 8x 01 04 00 02 FF                         | 0x00 | 02                      | Power ON/OFF   |
| -                      | Off(Standby)         | 8x 01 04 00 03 FF                         |      | 03                      |  |
| CAM_Zoom               | Stop                 | 8x 01 04 07 00 FF                         | 0x07 | 00                      |  |
| -                      | Tele (Standard)      | 8x 01 04 07 02 FF                         |      | 02                      |  |
| 1                      | Wide (Standard)      | 8x 01 04 07 03 FF                         |      | 03                      |  |
| ł                      | Tele (Variable)      | 8x 01 04 07 2p FF                         |      | 2p                      | p=0 (Low) to 7 (High)  |
| ł                      | Wide (Variable)      | 8x 01 04 07 3p FF                         |      | 3p                      | 1 *( * / * ( 9 /   |
| ł                      | Direct               | 8x 01 04 47 0p 0q 0r 0s FF                | 0x47 | 0p 0q 0r 0s             | pgrs: Zoom Position  |
| CAM DZoom              | On                   | 8x 01 04 06 02 FF                         | 0x06 | 02                      | Digital zoom ON/OFF  |
| -                      | Off                  | 8x 01 04 06 03 FF                         |      | 03                      |  |
| ł                      | Combine Mode         | 8x 01 04 36 00 FF                         | 0x36 | 00                      | Optical/Digital Zoom Combined                                  |
| ł                      | Separate Mode        | 8x 01 04 36 01 FF                         |      | 01                      | Optical/Digital Zoom Separate                                  |
| ł                      | Stop                 | 8x 01 04 06 00 FF                         | 0x06 | 00                      |  |
| ł                      | Tele (Variable)      | 8x 01 04 06 2p FF                         |      | 2p                      | p=0 (Low) to 7 (High)  |
| ł                      | Wide (Variable)      | 8x 01 04 06 3p FF                         |      | 3p                      | * Enabled during Separate Mode                                 |
|                        | x1/Max               | 8x 01 04 06 10 FF                         |      | 0x10                    | x1/MAX Magnification Switchover * Enabled during Separate Mode |
|                        | Direct               | 8x 01 04 46 0p 0q 0r 0s FF                | 0x46 | Op Oq Or Os             | pq: D-Zoom Position * Enabled during Separate Mode             |
| CAM_Focus              | Stop                 | 8x 01 04 08 00 FF                         | 0x08 | 00                      |  |
| ł                      | Far (Standard)       | 8x 01 04 08 02 FF                         |      | 02                      |  |
| ł                      | Near (Standard)      | 8x 01 04 08 03 FF                         |      | 03                      |  |
| 1                      | Far (Variable)       | 8x 01 04 08 2p FF                         |      | 2p                      | p=0 (Low) to 7 (High)  |
| ł                      | Near (Variable)      | 8x 01 04 08 3p FF                         |      | 3p                      |  |
| 1                      | Direct               | 8x 01 04 48 0p 0q 0r 0s FF                | 0x48 | 0p 0q 0r 0s             | pqrs: Focus Position (0x1000 - 0xC000)                         |
| 1                      | Auto Focus           | 8x 01 04 38 02 FF                         | 0x38 | 02                      | AF ON/OFF  |
| ł                      | Manual Focus         | 8x 01 04 38 03 FF                         |      | 03                      |  |
| ł                      | Auto/Manual          | 8x 01 04 38 10 FF                         |      | 0x10                    |  |
| ł                      | One Push Trigger     | 8x 01 04 18 01 FF                         | 0x18 | 01                      | One Push AF Trigger  |
| ł                      | Infinity             | 8x 01 04 18 02 FF                         |      | 02                      | Forced infinity  |
|                        | Near Limit           | 8x 01 04 28 0p 0q 0r 0s FF                | 0x28 | 0p 0q 0r 0s             | pqrs: Focus Near Limit Position                                |
| AF Sensitivity         | Normal               | 8x 01 04 58 02 FF                         | 0x58 | 02                      | AF Sensitivity High/Low  |
|                        | Low                  | 8x 01 04 58 03 FF                         |      | 03                      |  |
| CAM_AFMode             | Normal AF            | 8x 01 04 57 00 FF                         | 0x57 | 00                      | AF Movement Mode   |
| İ                      | Interval AF          | 8x 01 04 57 01 FF                         |      | 01                      |  |
| İ                      | Zoom Trigger AF      | 8x 01 04 57 02 FF                         |      | 02                      |  |
| ļ                      | Active/Interval Time | 8x 01 04 27 0p 0q 0r 0s FF                | 0x27 | 0p 0q 0r 0s             | pq: Movement Time, rs: Interval                                |
| CAM_IRCorrection       | Standard             | 8x 01 04 11 00 FF                         | 0x11 | 00                      | FOCUS IR compensation data switching                           |
| ļ                      | IR Light             | 8x 01 04 11 01 FF                         |      | 01                      |  |
| CAM_ZoomFocus          | Direct               | 8x 01 04 47 0p 0q 0r 0s 0t 0u 0v 0w FF    | 0x47 | 0p 0q 0r 0s 0t 0u 0v 0w | pqrs: Zoom Position<br>tuvw: Focus Position                    |
| CAM_Initialize         | Lens                 | 8x 01 04 19 01 FF                         | 0x19 | 01                      | Lens Initialization Start                                      |
| O, WI_IIIIIaiiZe       |                      |   |      |                         |  |

### Command Set

| Command Set         Command         Packet         Comments           CAM_WB         Auto         8x 01 04 35 00 FF         0x35 00         Normal Auto           Indoor         8x 01 04 35 01 FF         01         Indoor mode           Outdoor         8x 01 04 35 02 FF         02         Outdoor mode           One Push WB         8x 01 04 35 03 FF         03         One Push WB           ATW         8x 01 04 35 04 FF         04         Auto Tracing W           Manual         8x 01 04 35 05 FF         05         Manual Control           One Push Trigger         8x 01 04 10 05 FF         0x10         05         One Push WB           Outdoor Auto         8x 01 04 35 06 FF         0x35         06         Outdoor auto   |   |
|--|---|
| Indoor         8x 01 04 35 01 FF         01         Indoor mode           Outdoor         8x 01 04 35 02 FF         02         Outdoor mode           One Push WB         8x 01 04 35 03 FF         03         One Push WB           ATW         8x 01 04 35 04 FF         04         Auto Tracing W           Manual         8x 01 04 35 05 FF         05         Manual Control           One Push Trigger         8x 01 04 10 05 FF         0x10         05         One Push WB           Outdoor Auto         8x 01 04 35 06 FF         0x35         06         Outdoor auto   |   |
| Outdoor         8x 01 04 35 02 FF         02         Outdoor mode           One Push WB         8x 01 04 35 03 FF         03         One Push WB           ATW         8x 01 04 35 04 FF         04         Auto Tracing W           Manual         8x 01 04 35 05 FF         05         Manual Control           One Push Trigger         8x 01 04 10 05 FF         0x10         05         One Push WB '           Outdoor Auto         8x 01 04 35 06 FF         0x35         06         Outdoor auto   |   |
| One Push WB         8x 01 04 35 03 FF         03         One Push WB I           ATW         8x 01 04 35 04 FF         04         Auto Tracing W           Manual         8x 01 04 35 05 FF         05         Manual Control           One Push Trigger         8x 01 04 10 05 FF         0x10         05         One Push WB I           Outdoor Auto         8x 01 04 35 06 FF         0x35         06         Outdoor auto   |   |
| ATW 8x 01 04 35 04 FF 04 Auto Tracing W Manual 8x 01 04 35 05 FF 05 Manual Control One Push Trigger 8x 01 04 10 05 FF 0x10 05 One Push WB* Outdoor Auto 8x 01 04 35 06 FF 0x35 06 Outdoor auto   |   |
| Manual         8x 01 04 35 05 FF         05         Manual Control           One Push Trigger         8x 01 04 10 05 FF         0x10         05         One Push WB           Outdoor Auto         8x 01 04 35 06 FF         0x35         06         Outdoor auto  |   |
| One Push Trigger         8x 01 04 10 05 FF         0x10 05         One Push WB Outdoor Auto           Outdoor Auto         8x 01 04 35 06 FF         0x35 06         Outdoor auto  |   |
| Outdoor Auto 8x 01 04 35 06 FF 0x35 06 Outdoor auto  |   |
| 0 " 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |   |
|  | sodium lamp source  |
|  | ource fixed mode  |
| CAM_RGain  | of R Gain   |
| Up 8x 01 04 03 02 FF 02 Down 8x 01 04 03 03 FF 03  |   |
| Down 8x 01 04 03 03 FF 03  Direct 8x 01 04 43 00 00 0p 0q FF 0x43 00 00 0p 0q pq: R Gain (0 to   | OVEE)   |
| CAM_BGain Reset 8x 01 04 04 00 0F 0x04 00 Manual Control   |   |
| Up 8x 01 04 04 02 FF 02  |   |
| Down 8x 01 04 04 03 FF 03  |   |
| Direct 8x 01 04 44 00 00 0p 0q FF 0x44 00 00 0p 0q pq: B Gain (0 to  | 0xFF)   |
| CAM_AE         Full Auto         8x 01 04 39 00 FF         0x39 00         Automatic Expo  |   |
| Manual 8x 01 04 39 03 FF 03 Manual Control   |   |
|  | Automatic Exposure mode   |
|  | omatic Exposure mode  |
| Bright         8x 01 04 39 0D FF         0D         Bright Mode (M           CAM_SlowShutter         Auto         8x 01 04 5A 02 FF         0x5A 02         Auto Slow Shut   |   |
| Manual 8x 01 04 54 03 FF 03  | 1010011   |
| CAM_Shutter Reset 8x 01 04 0A 00 FF 0x0A 00 Shutter Setting  |   |
| Up 8x 01 04 0A 02 FF 02  |   |
| Down 8x 01 04 0A 03 FF 03  |   |
| Direct 8x 01 04 4A 00 00 0p 0q FF 0x4A 00 00 0p 0q pq: Shutter Pos   | ition   |
| CAM_Iris   |   |
| Up 8x 01 04 0B 02 FF 02  |   |
| Down         8x 01 04 0B 03 FF         03           Direct         8x 01 04 4B 00 00 0p 0q FF         0x4B 00 00 0p 0q         pq: Iris Position   | (0 to 0x11)   |
| CAM_Gain Reset 8x 01 04 0C 00 0F 0x0C 00 Gain Setting  | (0.00 0.011)  |
| Up 8x 01 04 06 02 FF 02  |   |
| Down 8x 01 04 0C 03 FF 03  |   |
| Direct 8x 01 04 4C 00 00 0p 0q FF 0x4C 00 00 0p 0q pq: Gain Positic  | on (0 to 0x0F)  |
| Gain Limit 8x 01 04 2C 0p FF 0x2C 0p p: Gain Position  | 1   |
| CAM_Bright Reset 8x 01 04 0D 00 FF 0x0D 00 Bright Setting  |   |
| Up 8x 01 04 0D 02 FF 02  |   |
| Down         8x 01 04 0D 03 FF         03           Direct         8x 01 04 4D 00 00 0p 0q FF         0x4D 00 00 0p 0q         pq: Bright Posit  | ion (0 to 0v1E)   |
|  | pensation ON/OFF  |
| Off 8x 01 04 3E 03 FF 03   | Scribation On City  |
|  | pensation Amount Setting  |
| Up 8x 01 04 0E 02 FF 02  |   |
| Down 8x 01 04 0E 03 FF 03  |   |
|  | Position (0 to 0x0E)  |
|  | pensation ON/OFF  |
| Off         8x 01 04 33 03 FF         03           CAM_SpotAE         On         8x 01 04 59 02 FF         0x59 02         Spot Automatic  | Exposure Setting  |
| Off 8x 01 04 59 03 FF 03   | Exposure Setting  |
| Position 8x 01 04 29 0p 0q 0r 0s FF 0x29 0p 0q 0r 0s pq: X (0 to F), r.  | s: Y (0 to F)   |
| pp: Automatic F  | exposure Response Setting (01 to 30),   |
| detault value: 0   |   |
| CAM_WD On 8x 01 04 3D 02 FF 0x3D 02 Wide-D ON/OF   | F   |
| Off 8x 01 04 3D 03 FF 03   | ON/OF outo quitable a   |
|  | DIVOF auto switching  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  |   |
|  |   |
|  |   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  | ON (Fixed exposure ratio mode)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  | ON (Fixed exposure ratio mode)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  | ON (Fixed exposure ratio mode)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  | ON (Fixed exposure ratio mode)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0 On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  | ON (Fixed exposure ratio mode) ON (Dver operation)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0 On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  | DN (Dver operation)   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0 On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0 On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0 p: Screen displant of the combined of th | ON (Dver operation) ay image, 2-Long time, 3-Short time   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  p: Screen displication Set December 1   | ON (Dver operation) ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  p: Screen displication of the compation  | DN (Dver operation) ay image, 2-Long time, 3-Short time nstivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  P: Screen displication of the compation  | ON (Dver operation) ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0 On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0 On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 09 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 09 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 09 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u  | DN (Dver operation) ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) shight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64)   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0 On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0 On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u  | DN (Dver operation)  ay image, 2-Long time, 3-Short time ssitivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H 3: S) shlight correction level (0: L 1: M 2: H)  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 09 0q 0r 0s 0t 0u 00 00 FF 0x 2D 0p 0q 0r 0s 0t 0u 00 00 q; Detection ser r: Blocked-up st is: Blown-out bits: Exposure ra  CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x 3B 02 Wide dynamic 03 Wide dynamic 04 Wide dynamic 05 Wide 05 Wi | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) shight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 q; Detection set or Blocked-up si 8; Blown-out hig tu: Exposure CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x3B 02 Wide dynamic 0 0ff 8x 01 04 3B 03 FF 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 02 Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0 0x3B 03 FF Wide dynamic 0x | ON (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) phight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON ON OFF   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 00 | ON (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) phight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON ON OFF   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 09 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 00 00 00 00 00 00 00 00 00 00 00 00 00   | ON (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) phight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON ON OFF   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 2D 0p 0q 0r 0s 0t 0u 00 00 GP 0x 2D 0p 0q 0r 0s 0t 0u 00 00 GP 0x 2D 0p 0q 0r 0s 0t 0u 00 00 GP 2D 0x 2D 0p 0q 0r 0s 0t 0u 00 00 GP 2D 0x 2 | DN (Dver operation)  ay  Image, 2-Long time, 3-Short time  sitivity (0: L 1: M 2: H)  hadow correction level (0: L 1: M 2: H 3: S)  ghlight correction level (0: L 1: M 2: H)  tio of short exposure (x1 to x64)  auto switching alarm ON/OFF  OFF ON  ON OFF   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 00 | ON (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H 3: S) philight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON ON OFF oil   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 00 | DN (Dver operation)  ay  Image, 2-Long time, 3-Short time  sitivity (0: L 1: M 2: H)  hadow correction level (0: L 1: M 2: H 3: S)  ghlight correction level (0: L 1: M 2: H)  tio of short exposure (x1 to x64)  auto switching alarm ON/OFF  OFF ON  ON OFF   |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 0c Detection set of Blocked-up sis: Blown-out hig tu: Exposure ra 00 CAM_WDAlarmRep On 8x 01 04 3B 02 FF 03 Wide dynamic 0 Wide dynamic 0 CAM_Aperture Reset 8x 01 04 3B 03 FF 03 Wide dynamic 0 Wide dynamic 0 CAM_Aperture Reset 8x 01 04 02 00 FF 0x2D 00 Aperture Control Down 8x 01 04 02 02 FF 03 Direct 8x 01 04 42 00 00 0p 0q FF 0x42 00 00 0p 0q pg: Aperture Gamble CAM_HR 0n 8x 01 04 52 03 FF 0x5D 03 High-Resolusio Off 8x 01 04 52 03 FF 0x5D 03 FF 0x5D 03 FF 0x5D 05 FF 0x5D | DN (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H 3: S) philight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON ON OFF oli  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3)                                       |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 GP 00 | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) shight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF oil  ain (0 to 0x14) n Mode ON/OFF D: OFF, level 1 to 3) ng (0: Standard, 1 to 4)                |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 00 00 00 FF 0x2D 00 00 00 00 00 00 00 00 00 00 00 00 00   | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H 3: S) shight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF oil  ain (0 to 0x14) n Mode ON/OFF D: OFF, level 1 to 3) ng (0: Standard, 1 to 4)                |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 2D 0p 0q 0r 0s 0t 0u 00 00 GP 0c Detection set in Blocked-up sis: Blown-out hig tu: Exposure ra 00 Mide dynamic 0 Sis Blown-out high 0 Sis Blown-out high 0 Si | DN (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H 3: S) philight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  DI  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) rmode ON/OFF |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 Gr Blocked-up sis: Blown-out hig tur: Exposure rate for f(Reply) y 07 07 43 B 03 FF 03 Wide dynamic 0 Wide dynamic 0 Gr Blocked-up sis: Blown-out hig tur: Exposure rate for f(Reply) y 07 07 43 B 03 FF 03 Wide dynamic 0 Wide dynamic 0 Gr Blocked-up sis: Blown-out hig tur: Exposure rate for f(Reply) y 07 07 43 B 03 FF 03 Wide dynamic 0 Wide dynamic 0 Gr Blocked-up sis: Blown-out hig tur: Exposure rate for f(Reply) y 07 07 43 B 03 FF 03 Wide dynamic 0 Gr Blocked-up sis: Blown-out high tur: Exposure rate for for for for for for for for for for   | DN (Dver operation)  ay image, 2-Long time, 3-Short time sitivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H 3: S) philight correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  DI  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) rmode ON/OFF |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x3B 02 Wide dynamic 0  (Reply) y0 07 04 3B 02 FF 0x3B 02 Wide dynamic 0  (Reply) y0 07 04 3B 03 FF 0x3B 03  (Reply) y0 07 04 3B 03 FF 0x3B 03  (Reply) y0 07 04 3B 03 FF 0x3B 03  (Reply) y0 07 04 3B 03 FF 0x3B 03  (AM_Aperture Reset 8x 01 04 02 00 FF 0x2D 00 Aperture Control Up 8x 01 04 02 03 FF 0x3B 03  Direct 8x 01 04 02 03 FF 0x3B 03  CAM_HR 0n 8x 01 04 52 02 FF 0x5D 03  CAM_HR 0n 8x 01 04 52 03 FF 0x3B 0p p; NR Setting (CAM_Gamma 8x 01 04 58 0p FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p p; Gamma setting CAM_HghSensitivity Off 8x 01 04 5E 03 FF 0x5B 0p Mirror Image Ol  | DN (Dver operation)  ay  image, 2-Long time, 3-Short time  sitivity (0: L 1: M 2: H)  hadow correction level (0: L 1: M 2: H)  tio of short exposure (x1 to x64)  auto switching alarm ON/OFF  OFF ON  ON OFF  In (0 to 0x14)  In Mode ON/OFF  OFF, level 1 to 3)  Ing (0: Standard, 1 to 4)  mode ON/OFF  N/OFF  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  P: Screen displications of the compation of the companies | DN (Dver operation)  ay  image, 2-Long time, 3-Short time  sitivity (0: L 1: M 2: H)  hadow correction level (0: L 1: M 2: H)  tio of short exposure (x1 to x64)  auto switching alarm ON/OFF  OFF ON  ON OFF  In (0 to 0x14)  In Mode ON/OFF  OFF, level 1 to 3)  Ing (0: Standard, 1 to 4)  mode ON/OFF  N/OFF  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 02 0p 0q 0r 0s 0t 0u 00 00 GP Cetertoins ser is Blooked-up sis: Blown-outside it it: Exposure rate of the companies  | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) stip (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF                        |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 0D 0p 0q 0r 0s 0t 0u 00 00 GP Centrolins in the Exposure rate of the Companie of CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x 03 Wide dynamic 0 GP Centrolins in the Exposure rate of CAM_Aperture Reset 8x 01 04 02 05 FF 0x 03 Wide dynamic 0 GP CAM_Aperture Reset 8x 01 04 02 05 FF 0x 02 On Aperture Controlins of CAM_Aperture Reset 8x 01 04 02 05 FF 0x 02 On Aperture Controlins On 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 02 05 FF 0x 02 On Aperture Controlins On 8x 01 04 52 03 FF 0x 03 On Aperture Controlins On 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 03 On Aperture CAM_Aperture Reset 8x 01 04 52 03 FF 0x 042 On 00 00 00 00 00 00 00 00 00 00 00 00 00  | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) stip (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF                        |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 0D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 0D 0p 0q 0r 0s 0t 0u 00 00  CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x 03 02 Wide dynamic 00 00 00 00 00 00 00 00 00 00 00 00 00   | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) stip (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  ain (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF                        |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 2D 0p 0q 0r 0s 0t 0u 00 00  GAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x 3B 02 Wide dynamic 0  Off 8x 01 04 3B 03 FF 03  CAM_Aperture Reset 8x 01 04 02 00 FF 0x 2D 09 00 Aperture Control 0p 8x 01 04 02 00 FF 0x 2D 00 Aperture Control 0p 8x 01 04 02 03 FF 0x 2D 00 Aperture Control 0p 8x 01 04 02 03 FF 0x 2D 00 Aperture CAM_Aperture 8x 01 04 02 03 FF 0x 2D 00 Aperture Control 0p 8x 01 04 02 03 FF 0x 2D 00 Aperture Control 0p 8x 01 04 02 03 FF 0x 2D 00 Aperture CAM_Aperture 8x 01 04 42 00 00 0p 0q FF 0x 2D 00 Aperture CAM_APERTURE 8x 01 04 42 00 00 0p 0q FF 0x 2D 00 Aperture CAM_APERTURE 8x 01 04 42 00 00 0p 0q FF 0x 2D 00 Aperture CAM_APERTURE 8x 01 04 42 00 00 0p 0q FF 0x 2D 00 00 00 0p 0q Pq: Aperture CAM_APERTURE 8x 01 04 53 0p FF 0x 2D 00 0x 2D 0p 0q | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) stip (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  DFF ON DN OFF  oin (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) ng (0: Standard, 1 to 4) rmode ON/OFF  N/OFF  OFF                  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  CAM_WDAlamRep On 8x 01 04 3B 03 FF 03  CAM_Aperture Reset 8x 01 04 02 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00  CAM_Aperture Reset 8x 01 04 02 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 0p 0q pq: Aperture 0x2D 0p 0q 0r 0s 0t 0u 00 0p 0q pq: Aperture 0x2D 0r 0x2 | DN (Dver operation)  ay image, 2-Long time, 3-Short time sistivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H) signification level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON DN OFF bit  Di OFF, level 1 to 3) mode ON/OFF  OFF  N/OFF  OFF  OFF  OFF  Sietting  OFF                          |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x2D 0p 0q 0r 0s 0t 0u 00 0p 0q 0p 0q 0r 0s 0t 0u 0u 00 0p 0q 0p 0q 0r 0s 0t 0u 0u 0u 0u 0r 0p 0q 0r 0s 0t 0u 0u 0u 0u 0u 0u 0u 0u 0u 0u 0u 0u 0u  | DN (Dver operation)  ay image, 2-Long time, 3-Short time sistivity (0: L 1: M 2: H) hadow correction level (0: L 1: M 2: H) signification level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON DN OFF oil  in (0 to 0x14) n Mode ON/OFF  D: OFF, level 1 to 3) mode ON/OFF  N/OFF  OFF  OFF  ietting  OFF       |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 0t 0u 00 00 FF 0x 2D 0p 0q 0r 0s 0t 0u 00 00 00 00 00 00 00 00 00 00 00 00   | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON DN OFF  OI  DO OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF  OFF  OFF  OFF  OFF  OFF  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q or 0s 01 0u 00 00 FF 0x2D 0p 0q or 0s 01 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q or 0s 01 0u 00 00 FF 0x2D 0p 0q or 0s 01 0u 00 00  CAM_WDAlarmRep On 8x 01 04 3B 02 FF 0x3B 02 Wide dynamic 0  Off 8x 01 04 3B 03 FF 0x3B 02 Wide dynamic 0  (Reply) y0 07 04 3B 03 FF 0x3B 02 Wide dynamic 0  CAM_Aperture Reset 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 00 Aperture Control 0p Aperture Control 0p 8x 01 04 02 00 Aperture Control 0p Aperture C | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON DN OFF  OI  DO OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF  OFF  OFF  OFF  OFF  OFF  |
| AutoOnOff 8x 01 04 3D 00 FF 00 Wide dynamic 0  On (RatioFix) 8x 01 04 3D 01 FF 01 Wide dynamic 0  On (Dver Compati) 8x 01 04 3D 04 FF 04 Wide dynamic 0  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 01 0u 00 00 FF 0x2D 0p 0q 0r 0s 01 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 01 0u 00 00 FF 0x2D 0p 0q 0r 0s 01 0u 00 00  Set Parameter 8x 01 04 2D 0p 0q 0r 0s 01 0u 00 00 FF 0x2D 0p 0q 0r 0s 01 0u 00 00  CAM_WDAlamRep On 8x 01 04 3B 02 FF 0x3B 02 Wide dynamic 0  Off 8x 01 04 3B 03 FF 0x3B 02 Wide dynamic 0  CAM_Aperture Reset 8x 01 04 02 00 FF 0x02 00 Aperture Control 0p 8x 01 04 20 00 FF 0x02 00 Aperture Control 0p 8x 01 04 02 03 FF 0x02 00 Aperture Control 0p 8x 01 04 02 03 FF 0x12 00 00 0p 0q 0p 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0p 0q 0p 0q 0p 0q 0p 0q 0p 0q 0p 0p 0q 0p 0p 0p 0p 0p 0p 0p 0p 0p 0p 0p 0p 0p   | DN (Dver operation)  ay image, 2-Long time, 3-Short time nsitivity (0: L 1: M 2: H) nadow correction level (0: L 1: M 2: H) tio of short exposure (x1 to x64) auto switching alarm ON/OFF  OFF ON DN OFF  OI  DO OFF, level 1 to 3) ng (0: Standard, 1 to 4) mode ON/OFF  N/OFF  OFF  OFF  OFF  OFF  OFF  |

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|---|------|---|
|   | mand |   |

| Command Set        | Command                 | Packet   |      |                   | Com  | nmen   | ıts   |        |                 | _              |       |               |                   |
|--------------------|-------------------------|--|------|-------------------|--|--|-------|--------|-----------------|----------------|-------|---------------|-------------------|
| CAM_AutolCRAlar    | On                      | 8x 01 04 31 02 FF                                  | 0x31 | 02                |  | Auto ICR switching Alarm ON/OFF  |       |        |                 |                |       |               |                   |
| mReply             | Off                     | 8x 01 04 31 03 FF                                  |      | 03                | Auto lott switching Alaini Olyot i   |  |       |        |                 |                |       |               |                   |
|                    | (Reply)                 | y0 07 04 31 02 FF                                  |      |                   |  | OFF  |       |        |                 |                |       |               |                   |
| CAM Memory         | Reset                   | y0 07 04 31 03 FF<br>8x 01 04 3F 00 0p FF          | 0x3F | 00 0p             |  | ON -   |       |        | (=0 t           | 0 6)           |       |               |                   |
| (Preset pos)       | Set                     | 8x 01 04 3F 01 0p FF                               |      | 01 0p             | p: Memory Number (=0 to 6)   |  |       |        |                 |                |       |               |                   |
| CAM_CUSTOM         | Recall<br>Reset         | 8x 01 04 3F 02 0p FF<br>8x 01 04 3F 00 7F FF       | 0x3F | 02 0p<br>00 7F    | Starts up in this mode when the power is turned of   |  |       |        |                 | urned on       |       |               |                   |
| o,000              |                         |  | O.O. | 01 7F             |  |  |       |        |                 |                |       |               |                   |
|                    | Set                     | 8x 01 04 3F 01 7F FF                               |      |                   |  |  |       |        |                 |                |       |               |                   |
|                    | Recall                  | 8x 01 04 3F 02 7F FF                               |      | 02 7F             | X: 00 to 07 (Address), total 16 byte   |  |       |        |                 |                |       |               |                   |
| CAM_MemSave        | Write                   | 8x 01 04 23 0X 0p 0p 0q 0q FF<br>8x 01 04 15 02 FF | 0x23 | 0X 0p 0p 0q 0q    | X: 00 to 07 (Address), total 16 byte<br>ppqq: 0x0000 to 0xFFFF (Data)  |  |       |        |                 |                |       |               |                   |
| CAM_Display        | On                      | (8x 01 06 06 02 FF)                                | 0x15 | 02                | Disp   | olay C   | N/OF  | FF     |                 |                |       |               |                   |
|                    | Off                     | 8x 01 04 15 03 FF<br>(8x 01 06 06 03 FF)           |      | 03                |  |  |       |        |                 |                |       |               |                   |
|                    | On/Off                  | 8x 01 04 15 10 FF<br>(8x 01 06 06 10 FF)           |      | 0x10              |  |  |       |        |                 |                |       |               |                   |
| CAM_MultiLineTitle | Title Set1              | 8x 01 04 73 1L 00 nn pp qq 00 00 00 00 00 00 FF    | 0x73 |                   | L: Line Number 0-0xA<br>nn: H-position 0-0x1F<br>pp: Color 0:WHT 1:YEL 2:MAG 3:RED<br>qr: Blink 0:Not blink 1:Blinks   |  |       |        |                 |                |       |               |                   |
|                    | Title Set2              | 8x 01 04 73 2L mm nn pp qq rr ss tt uu vv ww FF    |      |                   | L: Line Number,<br>mnpqrstuvw: Setting of characters (1 to 10)   |  |       |        |                 | 0)             |       |               |                   |
|                    | Title Set3              | 8x 01 04 73 3L mm nn pp qq rr ss tt uu vv ww FF    |      |                   | L: Li  | ne N   | umbe  | er,    |                 |                |       | `<br>(1 to 10 |                   |
|                    |                         |  |      |                   | A  | В  | C     | D      | E               | F              | G     | H             | 0x00, 0x01,, 0x07 |
|                    |                         |  |      |                   | 1  | J  | K     | L      | М               | N              | 0     | Р             | 0x08, 0x09,, 0x0f |
|                    |                         |  |      |                   | Q  | R  | S     | T      | U               | V              | W     | X             | 0x10, 0x11,, 0x17 |
|                    |                         |  |      |                   | Y  | Z  | &     |        | ?               | 1              | 1     | 2             | 0x18, 0x19,, 0x1f |
|                    |                         |  |      |                   | 3  | 4  | 5     | 6      | 7               | 8              | 9     | 0             | 0x20, 0x21,, 0x27 |
|                    |                         |  |      |                   |  |  |       |        |                 |                |       |               | 0x28, 0x29,, 0x2f |
|                    |                         |  |      |                   |  |  |       |        |                 |                |       |               | 0x30, 0x31,, 0x37 |
|                    |                         |  |      |                   |  |  |       |        |                 |                |       |               | 0x38, 0x39,, 0x3f |
|                    |                         |  |      |                   |  | \$   | 4     | -      | 1               | +              | •     | +             | 0x40, 0x41,, 0x47 |
|                    |                         |  |      |                   |  | ét   | 2     |        | (*)             | ,              | 1     | -             | 0x48, 0x49,, 0x4f |
|                    |                         |  |      |                   | *  |  |       |        |                 |                |       |               | 0x50, 0x51,, 0x57 |
|                    | Title Clear<br>On       | 8x 01 04 74 1p FF<br>8x 01 04 74 2p FF             | 0x74 | 1p<br>2p          |  |  |       |        |                 | a, f=<br>a, f= |       |               |                   |
| CAM_Mute           | Off<br>On               | 8x 01 04 74 3p FF<br>8x 01 04 75 02 FF             | 0x75 | 3p<br>02          | Muti   | ng O   | N/OF  | F      |                 |                |       |               |                   |
|                    | Off<br>On/Off           | 8x 01 04 75 03 FF<br>8x 01 04 75 10 FF             |      | 03<br>0x10        |  |  |       |        |                 |                |       |               |                   |
|                    | SetMask                 | 8x 01 04 76 mm nn 0r 0r 0s 0s FF                   | 0x76 | mm nn 0r 0r 0s 0s | mm: Mask Settings  |  |       |        |                 |                |       |               |                   |
| CAM_PrivacyZone    |                         |  |      |                   | nn: 00-Modify, 01-New<br>rr: W<br>ss: H  |  |       |        |                 |                |       |               |                   |
|                    | Display                 | 8x 01 04 77 pp pp pp pp FF                         | 0x77 | pp pp pp pp       | Mask Display ON/OFF pp pp pp pp: Mask Settings (0: OFF, 1: ON)   |  |       |        |                 |                |       |               |                   |
|                    | SetMaskColor            | 8x 01 04 78 pp pp pp pp qq rr FF                   | 0x78 | pp pp pp qq rr    | pp p<br>qq: (  | pp pp pp pp. Mask Color Settings<br>qq: Color Setting when 0 is selected<br>rr: Color Setting when 1 is selected |       |        |                 |                |       |               |                   |
|                    | SetPanTiltAngle         | 8x 01 04 79 0p 0p 0p 0q 0q 0q FF                   | 0x79 | 0p 0p 0p 0q 0q 0q | Pan/Tilt Angle Settings ppp: Pan 0-4095(0xFFF) 360/4096 Resolution   |  |       |        |                 |                |       |               |                   |
|                    |                         |  |      |                   | qqq:   | Tilt   | 0~40  | 095(0  | xFFF            | 360            | )/409 | 6 Resc        | olution           |
|                    | SetPTZMask              | 8x 01 04 7B mm 0p 0p 0p 0q 0q 0q 0r 0r 0r 0r FF    | 0x7B |                   | Pan/Tilt/Zoom Settings for Mask ppp: Pan 0-0xFFF qqq: Tilt 0-0xFFF rrrr: Zoom pos 0-0x4000   |  |       |        |                 |                |       |               |                   |
|                    | Non_InterlockMask       | 8x 01 04 6F mm 0p 0p 0q 0q 0r 0r 0s 0s FF          | 0x6F |                   | mm:  |  | Inte  | rlock  | Masi            | Setti          | ings  |               |                   |
|                    | GridOn                  | 8x 01 04 7C 02 FF                                  | 0x7C |                   | Grid   | Disp   | lay O | N/OF   | F               |                |       |               |                   |
|                    | GridOff<br>CenterLineOn | 8x 01 04 7C 03 FF<br>8x 01 04 7C 04 FF             |      | 03<br>04          |  | /Cent<br>ter Li  |       |        |                 | Off            |       |               |                   |
| CAM_IDWrite        |                         | 8x 01 04 22 0p 0q 0r 0s FF                         | 0x22 | 0p 0q 0r 0s       | pqrs   | : Car  | nera  | ID (=  |                 | to FF          | FF)   |               |                   |
| CAM_Alarm          | On<br>Off               | 8x 01 04 6B 02 FF<br>8x 01 04 6B 03 FF             | 0x6B | 02<br>03          |  | m ON   |       |        |                 |                |       |               |                   |
|                    | SetMode                 | 8x 01 04 6C pp FF                                  | 0x6C | pp                | pp: Mode setting 00 Focus change detection (reference value is not updated) 01 Focus change detection (reference value is updated) 02 AE change detection (reference value is not updated) 03 AE change detection (reference value is updated) |  |       |        | is not updated) |                |       |               |                   |
|                    | SetDayNighLevel         | 8x 01 04 6D 0p 0p 0p 0q 0q 0q FF                   | 0x6D | 0p 0p 0p 0q 0q 0q | ppp: Day judgement level setting<br>qqq: Night judgement level setting   |  |       |        |                 |                |       |               |                   |
|                    | Alarm(Reply)            | y0 07 04 6B 01 FF                                  |      |                   | Detection level "Low" -> "High" Detection level "High" -> "Low"  |  |       |        |                 |                |       |               |                   |
|                    | 1                       | y0 07 04 6B 00 FF                                  |      |                   |  | oction   | leve  | I "Hio | h" ->           | "Low           |       |               |                   |

| Command Set              |                |                                  |       |                   |   |
|--------------------------|----------------|----------------------------------|-------|-------------------|---|
| Command Set              | Command        | Packet                           |       |                   | Comments  |
| CAM_MD                   | On             | 8x 01 04 1B 02 FF                | 0x1B  | 02                | Motion Detection On/Off   |
|                          | Off            | 8x 01 04 1B 03 FF                |       | 03                |   |
|                          | Function Set   | 8x 01 04 1C 0m 0n 0p 0q 0r 0s FF | 0x1C  | 0m 0n 0p 0q 0r 0s | m: Display mode   |
|                          |                |                                  |       |                   | n: Display filode<br>n: Detection Frame Set (0 to F)                                      |
|                          |                |                                  |       |                   | pg: Threshold Level (00 to FF)  |
|                          |                |                                  |       |                   | rs: Interval Time set (00 to FF)  |
|                          | Window Set     | 8x 01 04 1D 0m 0p 0q rr 0s FF    | 0x1D  | 0m 0p 0q rr 0s    |   |
|                          |                |                                  |       |                   | m: Select Detection Frame (0, 1, 2, 3)  |
|                          |                |                                  |       |                   | p: Start Horizontal Position (00 to 0F)   |
|                          |                |                                  |       |                   | q: Start Vertical Position (00 to 07) r: Stop Horizontal Position (01 to 10)              |
|                          |                |                                  |       |                   | s: Stop Vertical Position (01 to 08)  |
|                          | Alama (Damba)  | -0.07.04.4B.0= FE                | 0:45  | 0                 |   |
|                          | Alarm (Reply)  | y0 07 04 1B 0p FF                |       | 0p<br>02          | p: Detection Frame Number   |
|                          | On<br>Off      | 8x 01 04 69 02 FF                | 0x69  | 02                | ZoomPosition data Continuous Output On/Off  |
| CAM Continuous           | (Reply)        | 8x 01 04 69 03 FF                |       | 03                |   |
| ZoomPosReply             | (керіу)        | y0 07 04 69 0p 0p 0q 0q 0q 0q FF |       |                   | pp: D-Zoom Position   |
| Loonii cortopij          |                |                                  |       |                   | * 00: When Zoom Mode is Combine   |
|                          |                |                                  |       |                   | qqqq: Zoom Position   |
| CAM_ReplyInterval        |                | 8x 01 04 6A 00 00 0p 0p FF       | 0x6A  |                   | pp: Interval Time [Vertical timing]   |
| TimeSet                  |                | 0x 01 04 0x 00 00 0p 0p 11       | OXO/1 |                   | pp. Interval Time [vertical timing]   |
| CAM Desisted/alus        |                | 8x 01 04 24 mm 0p 0p FF          | 0x24  |                   | mm: Register No. (=00-7F)   |
| CAM_RegisterValue        | *              |                                  |       |                   | pp: Register Value (=00-7F)   |
|                          |                |                                  |       |                   | mm: First byte from the top threshold value   |
|                          |                |                                  |       |                   | nn: Second byte from the top threshold value  |
|                          |                |                                  |       |                   | pp: Third byte from the top threshold value   |
|                          |                |                                  |       |                   | qq: Color specification for high-intensity  |
| CAM ColorEnhance         | Parameter Set  | 8x 01 04 20 mm nn pp qq rr FF    | 0x20  |                   | rr: Color specification for low-intensity   |
| O/ IIVI_OOIOI ETIITIATIO | a diameter oct | 0x 01 04 20 mm mr pp qq m m      | 0,20  |                   | Range for mm, nn, and pp is 0 to F.   |
|                          |                |                                  |       |                   | Range for qq and rr is 0 to 8.  |
|                          |                |                                  |       |                   | Colors  |
|                          |                |                                  |       |                   | 0: Yellow, 1: Cyan, 2: Green, 3: White, 4: Magenta,<br>5: Red, 6: Blue, 7: Black, 8: Gray |
|                          |                |                                  |       |                   | J. Ned, O. Bide, 7. Black, O. Glay  |
|                          |                |                                  |       |                   |   |
|                          | On             | 8x 01 04 50 02 FF                | 0x50  | 02                | Color Enhancement ON/OFF  |
|                          |                |                                  |       |                   |   |
|                          | Off            | 8x 01 04 50 03 FF                |       | 03                |   |
|                          |                |                                  |       |                   | pp: Chroma Suppress setting level   |
| CAM                      | 1              |                                  |       |                   | 00: OFF   |
| ChromaSuppress           | 1              | 8x 01 04 5F pp FF                | 0x5F  | pp                | 1 to 3: ON (3 levels).  |
|                          |                |                                  |       |                   | Effect increases as the level number increases.   |
| CAM_ColorGain            | Direct         | 8x 01 04 49 00 00 00 0p FF       | 0x49  |                   | p: Color Gain setting 0h (60%) to Eh (200%)   |
| CAM_ColorHue             | Direct         | 8x 01 04 4F 00 00 00 0p FF       | 0x4F  |                   | p: Color Hue setting 0h (- 14 dgrees) ~ Eh ( +14 degrees)                                 |
| CAM Menu                 |                | 8x 01 06 06 pp FF                | 0x06  |                   | pp: 2-ON 3-OFF 0-BACK   |
| o,i_wioriu               |                | сл. 5. 30 00 pp 11               | 5,00  |                   | 11-UP 12-DOWN 14-LEFT 18-RIGHT  |

## 8x 01 04 24 mm 0p 0p FF

| Register Set       |                         |       |         |  |
|--------------------|-------------------------|-------|---------|--|
| Command Set        | Command Packet          | Reg N | c Value | Comments   |
|                    |                         |       |         | p: 0-9600  |
| BaudRate           | 8x 01 04 24 00 00 0p FF | 0x00  | On      | 1-19200  |
| Dadditale          | ох от оч 24 оо оо ор тт | 0,000 | ор      | 2-38400  |
|                    |                         |       |         |  |
| Monitoring Mode    | 8x 01 04 24 72 0p 0p FF | 0x72  | pp      | pp: 1-1080i@60 (specific model) 2-1080i@59.94 (not supported) 3-1080p@60 (specific model) 4-1080i@50 (specific model) 5-1080p@50 (specific model) 6-1080p@30 7-1080p@29.97 (not supported) 8-1080p@25 9-720p@60 A-720p@59.94 (not supported) B-NTSC analog out C-720p50 D-PAL analog out E-720p@30 F-720p@30 F-720p@30 10-NTSC analog out 11-720p@25 12-PAL analog out |
| Output enable      | 8x 01 04 24 73 00 0p FF | 0x73  | 0р      | p: 1-CVBS On 2-SDI On 3-Both On  |
| Wide limit         | 8x 01 04 24 50 0p 0p FF | 0x50  | pp .    | pp: 0-EB   |
| Tele limit         | 8x 01 04 24 51 0p 0p FF | 0x51  | pp      | pp: 0-FF   |
| E-Zoom Max         | 8x 01 04 24 52 0p 0p FF | 0x52  | pp      | pp: Max D-zoom ratio = 256/ (256-pp)   |
| Stable Zoom        | 8x 01 04 24 53 00 0p FF | 0x53  | 0p      | p: 0-OFF 1-ON  |
| Focus Trace        | 8x 01 04 24 54 00 0p FF | 0x54  | 0p      | p: 0-OFF 1-ON  |
| Focus Offset       | 8x 01 04 24 55 0p 0p FF | 0x55  | pp .    | pp: 0-FF   |
| HighLightMaskOn    | 8x 01 04 24 2D 00 0p FF | 0x2D  | 0p      | p: HLC On/Off 0-OFF 1-ON   |
| HighLightMaskLevel | 8x 01 04 24 2E 0p 0p FF | 0x2E  | pp p    | pp: HighLight Level 0~20   |
| HighLightMaskColor |                         | 0x2F  | 0p      | p: MaskColor 0:WHT 1:YEL 2:CYN 3:GRN 4:MAG 5:RED 6:BLU 7:BLK   |
| PrvMaskTrans       | 8x 01 04 24 3A 00 0p FF | 0x3A  | 0p      | p: Mask Transparency 0-4   |
| ClockDisplayOn     | 8x 01 04 24 43 00 0p FF | 0x43  | 0p      | p: 0-OFF 1-ON  |
| TemperatureDisplay |                         | 0x44  | 0p      | p: 0-OFF 1-ON  |
| AE InOutdoor       | 8x 01 04 24 4B 00 0p FF | 0x4B  | 0p      | p: 0-AE Indoor Mode 1-AE Outdoor Mode  |
| Focus Near Limit   | 8x 01 04 24 5F 00 0p FF | 0x5F  | 0р      | p: Near Limit 0-30Cm, 1-1M, 2-1.5M, 3-2M,<br>4-3M, 5-5M, 6-10M   |
| Focus Far Limit    | 8x 01 04 24 60 00 0p FF | 0x60  | 0р      | p: Far Limit 0-2M, 1-3M, 2-5M, 3-10M,<br>4-Infinity  |

| Section   Control Facial   Sept Park       | I  |  |  |   |
|--|--|--|--|---|
| March   Color  | inquiry Command Comman   | nd Packet In   | quiry Packet   | Comments  |
| March   Marc   |  |  |  |   |
| Company   Comp   |  |  |  |   |
| March   Marc   | CAM_ClockInq 8x 09 00  | 0 03 FF y0   |  |   |
| CALL   Prince   CALL    |  |  |  | mm: month   |
| Control   Cont   |  |  |  |   |
| Cold   Tomoshoom   1900 to 0.0 ft   19   | CAM_PowerInq 8x 09 04  |  |  |   |
| Cold Common Cold and Ref   19  | CAM ZoomPosing 8v 09 04  |  |  |   |
| Col.      |  |  |  |   |
| Company   Comp   |  |  |  |   |
| Cold   Discontinued   | CAM_DZoomC/SMo 8x 09 04  |  |  |   |
| Column   | CAM DZaamDaalaa 0u 00 04   |  |  |   |
| March   Marc   |  |  |  |   |
| CAM Principal Control of 19 FT   | or un_r obdomodom ox ob or   |  |  |   |
| CALL MERCHANDON DE COLOR DE CO |  |  |  |   |
| CALL APPROXIMENT   COLORED PT   |  |  |  |   |
| COLL, Michael Service  | CAM_AFSensitivityli 8x 09 04   |  |  |   |
| Description      | CAM AFModelna 8x 09 04   |  |  |   |
| Cold. April Composed in 60 of 94 of 75   96 00 of 95 00 of 75   90 of 75      | ,  |  |  |   |
| CAMP, Michaelmann  |  |  |  |   |
| CAM_Widthcoloring   Nr. 90 to 20 FF   Vision     |  |  |  |   |
| CAM, Wilshoeting is 60 all SET   Vision SET  | CAM_IRCorrectionir 8X 09 04  |  |  |   |
| Visit   Visi   | CAM_WBModeInq 8x 09 04   |  |  |   |
| 100    | = ' '  |  |  |   |
| 100    |  |  |  |   |
| Section   Sect   |  |  |  |   |
| \$\ \text{visible}   \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}   \text{visible}  \text{visible}   \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}  \text{visible}   \text{visible}    \text{visible}   \qq  \qq          \qq  \  |  |  |  |   |
| M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. R. Gorinton  M. |  |  |  |   |
| CAM Biochanical 8,000 64.45 FF y 05 00.00 100 to the FF sp. Grain  CAM A Extractioning 8,000 64.20 FF y 05 00.00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 00 FF sp. CAM A Extractioning 8,000 64.20 FF y 05 00 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 to the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extractioning 8,000 64.20 FF y 05 00 the CAM A Extracti |  | y0   | 50 07 FF   | Sodium Lamp Auto  |
| CAM DEADWORD RECORD 44 FF  | CAM DOSISTS  |  |  |   |
| CAM_ABSorbineral_No_90 40 40 FF  |  |  |  |   |
| Vision   V   |  |  |  |   |
| 10   10   10   10   10   10   10   10  | ,  |  |  |   |
| Auto-Composition   Composition   Compositi   |  |  |  |   |
| CAM. Schombers, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10   |  |  |  |   |
| MA ShutserPooting is 00 04 44 FF   | CAM SlowShutterM 8v 09 04  |  |  |   |
| CAM_MorPoland   80 00 44 FF   y5 50 00 00 00 pa FF   proteins  | O/IWI_CIOWOIIditCIW CX 05 04   |  |  |   |
| CAM. Garantemile 8: 00 04 CP FF 90 500 00 05 09 FF P P; Cam Peacon  CAM. Signification 8: 00 04 CP FF 90 500 00 FF P P; Cam Peacon  CAM. Explorapholic 8: 00 04 CP FF 90 500 00 FP P P; Cam Peacon  CAM. Explorapholic 8: 00 04 CP FF 90 500 00 FP P P; Cam Peacon  CAM. Explorapholic 8: 00 04 CP FF 90 500 00 FP P P; Cam Peacon  CAM. Social Production 8: 00 04 CP FF 90 500 00 FP P P; Cam Peacon  CAM. Social Production 8: 00 04 CP FF 90 500 00 FP P P; Cam Peacon  CAM. Social Production 8: 00 04 SP FF 90 500 00 FF P P; Cam Peacon  CAM. Social Production 8: 00 04 SP FF 90 500 00 FF P P; Cam Peacon  CAM. Social Production 8: 00 04 SP FF 90 500 00 FF P P; Cam Peacon  CAM. Social Production 8: 00 04 SP FF 90 500 00 FF P P; Cam Peacon  CAM. Social Production 8: 00 04 SP FF 90 500 00 FF P; Cam Peacon  CAM. Violation 9: 00 FF 90 500 00 FF P; Violation 8: 00 00 FF P; Violation 8: 00 00 FF P; Violation 9: 0 | CAM_ShutterPosIng 8x 09 04   |  |  |   |
| CAM September 80 09 04 20 FF   |  |  |  |   |
| CAM. ExpCompPosition (As 90 94 AB FF yo 5 90 00 00 go qFF On Orl Office CAM. ExpCompPosition (As 90 94 AB FF yo 5 90 00 FF O |  |  |  |   |
| CAM_ExpCompdota 8x 09 04 3E FF   |  |  |  |   |
| Amage: Compress   80 09 04 48 FF   95 80 00 09 09 FF   95 80 00 09 09 FF   95 80 00 09 09 FF   95 80 00 09 09 FF   95 90 00 00 90 90 90 90 90 90 90 90 90 90   |  |  |  |   |
| CAM_BotAlgetModel 8x 09 04 33 FF y0 50 02 FF y0 50 02 FF Off Off Off Off Off Off Off Off Off   |  | y0   | 50 03 FF   | Off   |
| AMA_SpatiAbodol 8x 09 04 59 FF   y0 50 02 FF   y0 50 03 FF   y0 50 03 FF   y0 50 03 FF   y0 50 03 FF   y0 50 03 FF   y0 50 03 FF   y0 50 00 9 FF   y0 50 00 9 FF   y0 50 00 9 FF   y0 50 00 9 FF   y0 50 00 9 FF   y0 50 00 9 FF   y0 50 00 F    |  |  |  |   |
| CAM. SprateProtein 8x 69 94 59 FF  | CAM_BackLightMod 8x 09 04  |  |  |   |
| ACM_SpotAEPositiots 09 042 9 FF  | CAM SpotAEModel 8x 09 04   |  |  |   |
| CAM_WDModeling 8x 09 04 3D FF  |  |  |  | Off   |
| CAM_WDModeling 8x 09 04 3D FF  |  |  |  |   |
| Value  |  |  |  |   |
| Value  | O/IM_WDModeling Ox 00 04   |  |  |   |
| CAM_WDParameter 8x 09 04 2D FF   |  |  |  | AutoOnOff   |
| CAM_WDParameter 8x 09 04 2D FF   |  |  |  |   |
| CAM_WDAlarmRept 8x 09 04 38 FF   | CAM WDParameter 9x 00 04   |  |  |   |
| Filocked-up shadow correction level  | CAIN_WDFarameter 6x 09 04  | FZDFF yu   |  |   |
| Live   Exposure ratio of short exposure  |  |  |  |   |
| CAM_WDAlarmRepl 8x 09 04 38 FF   |  |  |  | r: Blocked-up shadow correction level   |
| Off  |  |  |  | s: Blown-out highlight correction level   |
| CAM_ApertureInq 8x 99 04 42 FF   | CAM WDAlarmBack 9:: 00 04  | 1 3B EE  |  | s: Blown-out highlight correction level<br>tu: Exposure ratio of short exposure   |
| CAM_HRModeInq         8x 09 04 52 FF         y0 50 02 FF         On (Hi-Resolution)           CAM_NRModeInq         8x 09 04 53 FF         y0 50 03 FF         Noise Reduction p: 0 to 5           CAM_Gammainq         8x 09 04 58 FF         y0 50 09 FF         Gamma p: 0 to 4           CAM_HighSensitivity         8x 09 04 55 FF         y0 50 03 FF         Off           CAM_HighSensitivity         8x 09 04 61 FF         y0 50 03 FF         Off           CAM_FreezeModeIn         8x 09 04 62 FF         y0 50 03 FF         Off           CAM_FreezeModeIn         8x 09 04 62 FF         y0 50 03 FF         Off           CAM_PictureEffectM         8x 09 04 63 FF         y0 50 03 FF         Off           CAM_PictureEffectM         8x 09 04 66 FF         y0 50 03 FF         Off           CAM_PictureFlipMore         8x 09 04 66 FF         y0 50 02 FF         On           y0 50 03 FF         Off         On         On           CAM_JICRMOdeInq         8x 09 04 61 FF         y0 50 02 FF         On           CAM_JICRModeInq         8x 09 04 51 FF         y0 50 03 FF         Off           CAM_AutoICRThrest         8x 09 04 51 FF         y0 50 03 FF         Off           CAM_AutoICRAlarm         8x 09 04 21 FF         y0 50 00 FF         On <td>CAM_WDAlarmRepl<sub>!</sub> 8x 09 04</td> <td></td> <td>50 02 FF</td> <td>s: Blown-out highlight correction level<br/>tu: Exposure ratio of short exposure<br/>On</td>   | CAM_WDAlarmRepl <sub>!</sub> 8x 09 04  |  | 50 02 FF   | s: Blown-out highlight correction level<br>tu: Exposure ratio of short exposure<br>On   |
| CAM_NRModeling   | CAM_ApertureInq 8x 09 04   | y0<br>1 42 FF y0   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF  | s: Blown-out highlight correction level<br>tu: Exposure ratio of short exposure<br>On<br>Off<br>pq: Aperture Gain   |
| CAM_ Gammalon         8x 09 04 58 FF         y0 50 09 FF         On           CAM_HighSensitivity         8x 09 04 5E FF         y0 50 02 FF         Off           CAM_LR_ReverseMo         8x 09 04 61 FF         y0 50 02 FF         Off           CAM_FreezeModein         8x 09 04 62 FF         y0 50 03 FF         Off           CAM_FreezeModein         8x 09 04 63 FF         y0 50 00 FF         Off           CAM_PictureEffectM         8x 09 04 63 FF         y0 50 00 FF         Off           CAM_PictureEffectM         8x 09 04 63 FF         y0 50 00 FF         Off           VOS 00 2FF         y0 50 02 FF         Neg Art         Neg Art           y0 50 04 FF         On         On         Off           CAM_PictureFlipMol         8x 09 04 66 FF         y0 50 02 FF         On           CAM_PictureFlipMol         8x 09 04 66 FF         y0 50 02 FF         On           VOS 00 3FF         On         Off         Off           CAM_PictureFlipMol         8x 09 04 66 FF         y0 50 02 FF         On           VOS 00 3FF         On         Off         Off           CAM_LICRModeing         8x 09 04 1FF         y0 50 02 FF         On           CAM_AutoICRMode         8x 09 04 21 FF         y0 50 00 FF  | CAM_ApertureInq 8x 09 04   | y0<br>1 42 FF y0<br>1 52 FF y0   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 02 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pc: Aperture Gain On (Hi-Resolution)  |
| CAM_HighSensitivity 8x 09 04 5E FF   | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04  | y0<br>1 42 FF y0<br>1 52 FF y0<br>y0   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 02 FF<br>50 03 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pc: Aperture Gain On (Hi-Resolution) Off  |
| CAM_LR_ReverseMo 8x 09 04 61 FF  | CAM_ApertureInq  | y0<br>1 42 FF y0<br>1 52 FF y0<br>y0<br>1 53 FF y0   | 2 50 02 FF<br>50 03 FF<br>1 50 00 00 0p 0q FF<br>50 02 FF<br>50 03 FF<br>50 09 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pq: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5  |
| V 0 5 0 0 3 FF   | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04   | y0<br>4 42 FF y0<br>4 52 FF y0<br>y0<br>4 53 FF y0<br>4 58 FF y0   | 1 50 02 FF<br>1 50 03 FF<br>1 50 00 00 0p 0q FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 0p FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pq: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4  |
| CAM_FreezeModeln 8x 09 04 62 FF  | CAM_ApertureInq  | y0<br>1 42 FF y0<br>1 52 FF y0<br>y0<br>1 53 FF y0<br>1 58 FF y0<br>1 5E FF y0<br>y0   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 02 FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 03 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pg: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off   |
| Off    | CAM_ApertureInq  | y0<br>4 42 FF y0<br>4 52 FF y0<br>4 53 FF y0<br>4 58 FF y0<br>4 5E FF y0<br>4 6 FF y0  | 50 02 FF<br>50 03 FF<br>50 00 00 00 pp 0q FF<br>50 02 FF<br>50 09 FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 0p FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pq: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Onf Onf Onf Onf Onf Onf Onf Onf Onf   |
| CAM_PictureEffectM 8x 09 04 63 FF  | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_LR_ReverseMo 8x 09 04  | 4 42 FF  | 50 02 FF<br>50 03 FF<br>50 00 00 00 00 0p 0q FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pg: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off  |
| V  | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_LR_ReverseMo 8x 09 04  | y0 4 42 FF   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off pg: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On  |
| CAM_PictureFlipMox 8x 09 04 66 FF  | CAM_ApertureInq  | 1 42 FF  | 1 50 02 FF<br>1 50 00 00 00 00 00 00 00 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 09 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Opt Opt Opt On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On   |
| V   V   V   V   V   V   V   V   V   V  | CAM_ApertureInq  | y0 1 42 FF   | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off NegArt  |
| CAM_ICRModeIng 8x 09 04 01 FF y0 50 02 FF y0 50 03 FF Off  CAM_AutoICRMode 8x 09 04 51 FF y0 50 02 FF y0 50 03 FF Off  CAM_AutoICRThres! 8x 09 04 21 FF y0 50 00 00 0p 0q FF Off  CAM_AutoICRAlarm 8x 09 04 31 FF y0 50 03 FF Off  CAM_MemoryIng 8x 09 04 3F FF y0 50 09 FF Off  CAM_MemoryIng 8x 09 04 23 0X FF y0 50 0p 0p 0q 0q FF Pp; Memory number recalled last  CAM_MemSaveIng 8x 09 04 23 0X FF y0 50 0p 0p 0q 0q FF Pp; Memory number recalled last  CAM_DisplayModeIr 8x 09 04 15 FF y0 50 02 FF Off  CAM_DisplayModeIr 8x 09 04 15 FF y0 50 03 FF Off  CAM_TitleDisplayMc 8x 09 04 74 FF y0 50 03 FF Off  CAM_Memory number recalled last  CAM_Off Off  CAM_TitleDisplayMc 8x 09 04 75 FF y0 50 03 FF Off  CAM_MuteModeIng 8x 09 04 75 FF y0 50 03 FF Off  CAM_MuteModeIng 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModeIng 8x 09 04 75 FF Off  CAM_MuteModeIng 8x 09 04 75 FF Off  CAM_MuteModeIng 8x 09 04 75 FF Off  CAM_MuteModeIng 8x 09 04 75 FF Off  CAM_Mute | CAM_ApertureInq CAM_HRModeInq Rx 09 04 CAM_NRModeInq Rx 09 04 CAM_GammaInq CAM_HighSensitivity Rx 09 04 CAM_ER_ReverseMo CAM_FreezeModeIn CAM_PictureEffectM 8x 09 04  | 1 42 FF  | 50 02 FF<br>50 03 FF<br>50 00 00 0p 0q FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 0p FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off pg: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off Off   |
| CAM_AutoICRMode 8x 09 04 51 FF   | CAM_ApertureInq CAM_HRModeInq Rx 09 04 CAM_NRModeInq Rx 09 04 CAM_GammaInq CAM_HighSensitivity Rx 09 04 CAM_ER_ReverseMo CAM_FreezeModeIn CAM_PictureEffectM 8x 09 04  | 1 42 FF  | 1 50 02 FF<br>1 50 00 00 00 00 00 00 0F FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 09 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Or Off Or, (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On Off On On Off On On On On On On On On On On On On On  |
| VO 50 03 FF   Off  | CAM_ApertureInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04  | 1 42 FF  | 50 02 FF<br>50 00 00 0p 0q FF<br>50 00 00 pp 0q FF<br>50 03 FF<br>50 0p FF<br>50 0p FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On On Off  |
| CAM_AutoICRThrest 8x 09 04 21 FF       y0 50 00 00 0p 0p FF       pq: ICR ON ? OFF Threshold Level         CAM_AutoICRAlarm 8x 09 04 31 FF y0 50 00 3F F       On         CAM_MemoryInq 8x 09 04 3F FF y0 50 pp FF       Off         CAM_MemSaveInq 8x 09 04 23 0X FF y0 50 0p 0p 0q 0p FF       pp: Memory number recalled last         CAM_DisplayModel: 8x 09 04 15 FF y0 50 02 FF       On         (8x 09 06 06 FF) y0 50 03 FF       Off         CAM_TitleDisplayMc 8x 09 04 74 FF y0 50 02 FF       On         (8x 09 06 06 FF) y0 50 03 FF       On         (8x 09 06 06 FF) y0 50 03 FF       On         (8x 09 06 06 FF) y0 50 03 FF       On         (AM_MuteModeling 8x 09 04 75 FF       y0 50 02 FF         On       Off         CAM_MuteModeling 8x 09 04 75 FF       y0 50 02 FF         On       Off   | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_PictureFlipModel 8x 09 04  | 1 42 FF  | 1 50 02 FF<br>1 50 00 00 0p 0q FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 0p FF<br>1 50 0p FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Op: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off Off  |
| CAM_AutoICRAlarm 8x 09 04 31 FF y0 50 02 FF y0 50 03 FF Off  CAM_MemoryIng 8x 09 04 3F FF y0 50 pp FF pp: Memory number recalled last  CAM_MemSaveIng 8x 09 04 23 0X FF y0 50 pp 0p 0q 0q FF x: 00 to 07 (Address) ppqq: 0x0000 to 0xFFFF (Data)  CAM_DisplayModel 8x 09 04 15 FF y0 50 02 FF Off  (8x 09 06 06 FF) y0 50 03 FF Off  CAM_TitleDisplayMc 8x 09 04 74 FF y0 50 02 FF On (8x 09 06 06 FF) y0 50 03 FF  CAM_MuteModelng 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModelng 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModelng 8x 09 04 75 FF y0 50 02 FF  CAM_MuteModelng 8x 09 04 75 FF y0 50 02 FF  On On  | CAM_ApertureInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_GammaInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_PictureFlipModel 8x 09 04  | 1 42 FF   YOUNG   1 52 FF   YOUNG   1 53 FF   YOUNG   1 53 FF   YOUNG   1 54 FF   YOUNG   1 61 FF   YOUNG   1 62 FF   YOUNG   1 63 FF   YOUNG   1 66 FF   YOUNG   1 66 FF   YOUNG   1 61 FF   YOUNG   YOUNG   1 61 FF   YOUNG   YOUNG   1 61 FF   YOUNG   YO | 50 02 FF<br>50 00 00 00 00 00 00 00 FF<br>50 02 FF<br>50 03 FF<br>50 09 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Op: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off Off  |
| V  | CAM_ApertureInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_MRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivit, 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FictureEffectM 8x 09 04 CAM_FictureFlipMot 8x 09 04 CAM_ICRModeInq 8x 09 04 CAM_ICRModeInq 8x 09 04  | 1 42 FF  | 1 50 02 FF<br>50 00 00 00 00 00 00 FF<br>50 02 FF<br>50 03 FF<br>50 09 FF<br>50 09 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On Off Off  |
| CAM_MemSaveInq 8x 09 04 23 0X FF y0 50 0p 0p 0q 0q FF X: 00 to 07 (Address) ppqq: 0x0000 to 0xFFFF (Data)  CAM_DisplayModeI 8x 09 04 15 FF y0 50 02 FF (8x 09 06 06 FF) y0 50 03 FF Off  CAM_TitleDisplayMc 8x 09 04 74 FF y0 50 02 FF (8x 09 06 06 FF) y0 50 03 FF Off  CAM_MuteModeInq 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModeInq 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModeInq 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModeInq 8x 09 04 75 FF y0 50 02 FF Off  CAM_MuteModeInq 8x 09 04 75 FF y0 50 02 FF Off  | CAM_ApertureInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_Electric 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_ICRModeInq 8x 09 04 CAM_ICRModeInq 8x 09 04 CAM_ICRModeInq 8x 09 04 CAM_AutoICRThrest 8x 09 04 CAM_AutoICRThrest 8x 09 04   | 1 42 FF  | 1 50 02 FF<br>1 50 00 00 00 00 00 00 00 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 02 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 03 FF<br>1 50 04 FF<br>1 50 04 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 FF<br>1 50 05 OFF<br>1 50 OFF<br>1 50 OFF<br>1 50 OFF<br>1 50 OFF<br>1 50 OFF<br>1 | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off Off  |
| Ppqq: 0x0000 to 0xFFF (Data)   | CAM_ApertureInq 8x 09 04 CAM_NEMOdeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivit, 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FictureEffectM 8x 09 04 CAM_PictureFlipMot 8x 09 04 CAM_ICRModeInq 8x 09 04 CAM_AutoICRMode 8x 09 04 CAM_AutoICRMode 8x 09 04 CAM_AutoICRThrest 8x 09 04 CAM_AutoICRAlarm 8x 09 04   | 1 42 FF  | 50 02 FF<br>50 00 00 00 00 p 0q FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off  |
| CAM_DisplayModeli 8x 09 04 15 FF (8x 09 06 06 FF)       y0 50 02 FF y0 50 03 FF       Off         CAM_TitleDisplayMc 8x 09 04 74 FF (8x 09 06 06 FF)       y0 50 03 FF y0 50 03 FF       On y0 50 02 FF         CAM_MuteModeing 8x 09 04 75 FF y0 50 02 FF       y0 50 02 FF       On  | CAM_ApertureInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_CAM_FreezeModeIn 8x 09 04 CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_   | 1 42 FF  | 1 50 02 FF 1 50 00 00 00 00 00 00 FF 1 50 00 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On Off Off  |
| (8x 09 06 06 FF)     y0 50 03 FF     Off       CAM_TitleDisplayM8 8x 09 04 74 FF     y0 50 02 FF     On       (8x 09 06 06 FF)     y0 50 03 FF     Off       CAM_MuteModeing 8x 09 04 75 FF     y0 50 02 FF     On   | CAM_ApertureInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_CAM_FreezeModeIn 8x 09 04 CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_   | 1 42 FF  | 1 50 02 FF 1 50 00 00 00 00 00 00 0 FF 1 50 00 FF  | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Op: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off Off On Off Off   |
| CAM_TitleDisplayMc     8x 09 04 74 FF     y0 50 02 FF     On       (8x 09 06 06 FF)     y0 50 03 FF     Off       CAM_MuteModeinq     8x 09 04 75 FF     y0 50 02 FF     On  | CAM_ApertureInq 8x 09 04 CAM_NEMODEInq 8x 09 04 CAM_HRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivit, 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FictureEffectM 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_CAM_FictureFlipMot 8x 09 04 CAM_AutoICRModeInq 8x 09 04 CAM_AutoICRMode 8x 09 04 CAM_AutoICRThress 8x 09 04 CAM_AutoICRAlarm 8x 09 04 CAM_MemoryInq 8x 09 04 CAM_MemoryInq 8x 09 04 CAM_MemoryInq 8x 09 04   | 1 42 FF  | 50 02 FF 50 00 FF 50 00 FF 50 00 FF 50 02 FF 50 02 FF 50 03 FF 50 02 FF 50 03 FF 50 02 FF 50 03 FF 50 02 FF 50 03 FF 50 02 FF 50 03 FF 50 02 FF 50 03 FF 50 00 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off pg: Aperture Gain On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off Off On Off Off   |
| CAM_MuteModeIng 8x 09 04 75 FF   | CAM_ApertureInq CAM_NEMOdeInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_PictureFlipModelIng CAM_ICRModeInq CAM_AutoiCRThresi 8x 09 04 CAM_AutoiCRThresi 8x 09 04 CAM_AutoiCRThresi 8x 09 04 CAM_MemoryInq CAM_MemoryInq CAM_MemSaveInq 8x 09 04 CAM_DisplayModeIng 8x 09 04 CAM_DisplayModeIng 8x 09 04 CAM_DisplayModeIng 8x 09 04 CAM_DisplayModeIng 8x 09 04 CAM_DisplayModeIng 8x 09 04 CAM_DisplayModeIng 8x 09 04   | 1 42 FF  | 1 50 02 FF 1 50 00 00 0p 0q FF 1 50 00 FF 2 50 03 FF 3 50 02 FF 3 50 02 FF 3 50 02 FF 4 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 02 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF 5 50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off On Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off Off On Off Off  |
|  | CAM_ApertureInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_MRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivit, 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FictureEffectM 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_CAM_PictureEffectM 8x 09 04 CAM_AutoICRModeInq 8x 09 04 CAM_AutoICRMode 8x 09 04 CAM_AutoICRThresh 8x 09 04 CAM_AutoICRAlarm 8x 09 04 CAM_MemoryInq 8x 09 04 CAM_MemoryInq 8x 09 04 CAM_DisplayModeIn 8x 09 04 CAM_DisplayModeIn 8x 09 04 CAM_DisplayModeIn 8x 09 04 CAM_TitleDisplayMc 8x 09 04 CAM_TitleDisplayMc 8x 09 04 CAM_TitleDisplayMc 8x 09 04 CAM_TitleDisplayMc 8x 09 04 | 1 42 FF  | 50 02 FF<br>50 00 00 00 00 p 0q FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF<br>50 02 FF<br>50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off Or Off Or Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On Off On Off On Off On Off On Off On Off Or Off Or Off Or Off On   |
| y0 50 03 FF Off  | CAM_ApertureInq 8x 09 04 CAM_NRModeInq 8x 09 04 CAM_RRModeInq 8x 09 04 CAM_Gamalinq 8x 09 04 CAM_HighSensitivity 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_FreezeModeIn 8x 09 04 CAM_PictureEffectM 8x 09 04 CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_CAM_   | 1 42 FF  | 1 50 02 FF 1 50 00 00 00 00 00 00 00 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 02 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF 1 50 03 FF   | s: Blown-out highlight correction level tu: Exposure ratio of short exposure On Off Off On Off On (Hi-Resolution) Off Noise Reduction p: 0 to 5 Gamma p: 0 to 4 On Off On |

| Inquiry Command Command Packet   Inquiry Packet   Comments  |     |
|---|-----|
| CAM_PrivacyPanTilt         8x 09 04 79 FF         y0 50 0p 0p 0p 0q 0q 0q FF         ppp: Pan qqq: Tilt           CAM_PrivacyPTZInq         8x 09 04 78 mm FF         y0 50 0p 0p 0q 0q 0q 0r 0r 0r 0r 0r FF         mm: Mask Settings ppp: Pan qqq: Tilt rm: Zoom           CAM_PrivacyMonito_8x 09 04 6F FF         y0 50 0p pp pp pp FF         pp pp pp pp pp pp pp Mask is displayed now.           CAM_KeyLockinq         8x 09 04 17 FF         y0 50 00 FF         Off           CAM_IDInq         8x 09 04 22 FF         y0 50 00 pq or 0s FF         pgrs: Camera ID           CAM_Versioninq         8x 09 00 02 FF         y0 50 00 2 FF         mnpq: Model Code (04xx) rstu: ROM version ww: Socket Number (=02)           CAM_AlarmInq         8x 09 04 68 FF         y0 50 02 FF         Off         Off           CAM_AlarmModelnc 8x 09 04 6C FF         y0 50 0p FF         pp: Alarm Mode         Off           CAM_AlarmDayNigh 8x 09 04 6C FF         y0 50 0p p0 p0 p0 p0 p0 p0 p0 p0 p0 p0 p0 p0  |     |
| CAM_PrivacyPTZInq   |     |
| CAM_PrivacyPTZInq         8x 09 04 78 mm FF         y0 50 0p 0p 0p 0q 0q 0q 0r 0r 0r 0r FF         mm: Mask Settings ppp: Pan qqq: Tilt rrr. Zoom           CAM_PrivacyMonito         8x 09 04 6F FF         y0 50 pp pp pp pp FF         pp pp pp pp pp; Mask is displayed now.           CAM_KeyLockInq         8x 09 04 17 FF         y0 50 00 FF         Off           CAM_IDInq         8x 09 04 22 FF         y0 50 00 Pp pp pp pp pp pp pp pp pp pp pp pp pp   |     |
| ppp: Pan   qqq: Tilt   rrr Zoom   |     |
| CAM_PrivacyMonito   8x 09 04 6F FF   y0 50 pp pp pp pFF   pp pp pp pp pp pp pp pp pp pp pp pp p   |     |
| CAM_PrivacyMonito         8x 09 04 6F FF         y0 50 pp pp pp pp FF         pp pp pp pp pp pp pp Mask is displayed now.           CAM_KeyLockInq         8x 09 04 17 FF         y0 50 00 FF         Off           y0 50 02 FF         y0 50 02 FF         On           CAM_IDInq         8x 09 04 22 FF         y0 50 0p 0q 0r 0s FF         pgrs: Camera ID           CAM_VersionInq         8x 09 00 02 FF         y0 50 00 20 mp pr st u w FF         mppq; Model Code (04xx) rstu: ROM version w: Socket Number (=02)           CAM_AlarmInq         8x 09 04 68 FF         y0 50 02 FF         On           y0 50 03 FF         Off         Off           CAM_AlarmModelnc(8x 09 04 6C FF         y0 50 pFF         pp: Alarm Mode           CAM_AlarmDayNigh 8x 09 04 6D FF         y0 50 pp pp pp pp pp pp pp pp pp pp pp pp pp  |     |
| CAM_KeyLocking         8x 09 04 17 FF         y0 50 00 FF         Off           y0 50 02 FF         y0 50 02 FF         On           CAM_IDing         8x 09 04 22 FF         y0 50 0p 0g 0r 0s FF         pgrs: Camera ID           CAM_Versioning         8x 09 00 02 FF         y0 50 00 20 mn pg rs tu vw FF         mnpg: Model Code (04xx) rstu: ROM version vw: Socket Number (=02)           CAM_AlarmInq         8x 09 04 6B FF         y0 50 02 FF         On         Off           CAM_AlarmModelnc 8x 09 04 6C FF         y0 50 pFF         pp: Alarm Mode         Off           CAM_AlarmDayNigh         8x 09 04 6D FF         y0 50 pp op 0q 0q 0q or 0r 0r FF         ppp: Day judgement level setting qqq: Night judgement level setting           LevelInq         cAM_AlarmDayNigh         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"         Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 00 FF         Detection level "Low"         On           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 00 FF         Detection level "High"         Detection level "High"           CAM_AlarmDetect         8x 09 04 1E FF         y0 50 02 FF         On         On         On           C |     |
| V0 50 02 FF   On   On   On   On   On   On   On  |     |
| CAM_IDINQ         8x 09 04 22 FF         y0 50 0p 0q 0r 0s FF         pqrs: Camera ID           CAM_VersionInq         8x 09 00 02 FF         y0 50 00 20 mn pq rs tu vw FF         mpgr; Model Code (04xx) rstu: ROM version vw: Socket Number (=02)           CAM_AlarmInq         8x 09 04 6B FF         y0 50 02 FF         On Off           CAM_AlarmModeInc (8x 09 04 6C FF         y0 50 03 FF         Op: Alarm Mode           CAM_AlarmDayNigh (2x)         8x 09 04 6D FF         y0 50 0p 0p 0p 0q 0q 0q 0r 0r 0r FF         ppp: Day judgement level setting qqq: Night judgement level setting rrr: Current Automatic Exposure level setting rrr: Current Automatic Exposure level setting Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 00 FF         Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq         8x 09 04 1E FF         y0 50 02 FF         On On Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 03 FF         Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode   |     |
| CAM_VersionInq         8x 09 00 02 FF         y0 50 00 20 mn pq rs tu vw FF         mnpq: Model Code (04xx) rstu: ROM version ww: Socket Number (=02)           CAM_AlarmInq         8x 09 04 6B FF         y0 50 02 FF         On Off           CAM_AlarmModeInc 8x 09 04 6C FF         y0 50 03 FF         Op; Alarm Mode           CAM_AlarmDayNigh 8x 09 04 6D FF         y0 50 0p 0p 0p 0q 0q 0q 0r 0r 0r FF         ppp: Day judgement level setting qqq: Night judgement level setting rm: Current Automatic Exposure level setting rm: Current Automatic Exposure level setting           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 00 FF         Detection level "High"           CAM_MDModelnq         8x 09 04 1B FF         y0 50 02 FF         On On Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m no no p0 q FF         m: Display mode   |     |
| CAM_AlarmInq  |     |
| CAM_AlarmInq         8x 09 04 68 FF         y0 50 02 FF         Off           y0 50 03 FF         Off           CAM_AlarmModeInd 8x 09 04 6C FF         y0 50 pp FF         pp: Alarm Mode           CAM_AlarmDayNigh 8x 09 04 6D FF         y0 50 0p 0p 0p 0p 0q 0q 0r 0r 0r FF         ppp: Day judgement level setting qqq: Night judgement level setting rm: Current Automatic Exposure level setting rm: Current Automatic Exposure level setting rm: Current Automatic Exposure level setting Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           LevelInq         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq 8x 09 04 1B FF         y0 50 02 FF         On Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m no no p0 q FF         m: Display mode  |     |
| V0 50 03 FF   Off   |     |
| CAM_AlarmModeInc 8x 09 04 6C FF y0 50 pp FF y0 50 0p 0p 0q 0q 0q 0r 0r 0r FF pp: Alarm Mode  CAM_AlarmDayNigh 8x 09 04 6D FF y0 50 0p 0p 0q 0q 0q 0r 0r 0r FF pp: Day judgement level setting qqr: Night judgement level setting rrr. Current Automatic Exposure level setting  CAM_AlarmDetect 8x 09 04 6E FF y0 50 01 FF Detection level "High"  LevelInq y0 50 00 FF Detection level "Low"  CAM_MDModeInq 8x 09 04 1B FF y0 50 02 FF Off  CAM_MDModeInq 8x 09 04 1C FF y0 50 03 FF Off  CAM_MDFunctionIn 8x 09 04 1C FF y0 50 0m 0n 0p 0q FF m: Display mode   |     |
| CAM_AlarmDayNight LevelInq         8x 09 04 6D FF         y0 50 0p 0p 0p 0q 0q 0q 0r 0r 0r FF         ppp: Day judgement level setting qqq; Night judgement level setting mr: Current Automatic Exposure level setting mr: Current Automatic Exposure level setting mr: Current Automatic Exposure level setting mr: Current Automatic Exposure level setting Detection level "High"           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           LevelInq         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq         8x 09 04 1B FF         y0 50 03 FF         On Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode  |     |
| LevelInq         qqr. Night judgement level setting mr. Current Automatic Exposure level setting mr. Current Automatic Exposure level setting           CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           LevelInq         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq         8x 09 04 1B FF         y0 50 02 FF         On           y0 50 03 FF         Off         Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m no no p0 q FF         m: Display mode   |     |
| CAM_AlarmDetect         8x 09 04 6E FF         y0 50 01 FF         Detection level "High"           LevelInq         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq<br>AM_MDFunctionIn 8x 09 04 1B FF         y0 50 02 FF         On           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 00 nn 0p 0q FF         m: Display mode  |     |
| LevelInq         y0 50 00 FF         Detection level "Low"           CAM_MDModeInq<br>V0 50 02 FF         On<br>V0 50 03 FF         Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode  |     |
| CAM_MDModeInq         8x 09 04 1B FF         y0 50 02 FF         On           y0 50 03 FF         Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode  |     |
| y0 50 03 FF         Off           CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode  |     |
| CAM_MDFunctionIn 8x 09 04 1C FF         y0 50 0m 0n 0p 0q FF         m: Display mode  |     |
|   |     |
|   |     |
| pq: Threshold Level (0 to FF)   |     |
| rs: Interval Time set (0 to FF)   |     |
| CAM_MDWindowInx 8x 09 04 1D 0m FF y0 50 0p 0q 0r 0s FF m: Select Detection Frame (0 1 2 3)  |     |
| p: Start Horizontal Position (00 to 0B)   |     |
| g: Start Vertical Position (00 to 07)   |     |
| r: Stop Horizontal Position (01 to 0C)<br>s: Stop Vertical Position (01 to 08)  |     |
| CAM_ContinuousZo 8x 09 04 69 FF   |     |
| ReplyModeIng y0 50 03 FF Off  |     |
| CAM_ReplyIntervalT 8x 09 04 6A FF y0 50 00 00 0p 0p FF pp: Interval Time  |     |
| CAM_RegisterValueI 8x 09 04 24 mm FF  |     |
| pp: Register Value (00 to FF)   |     |
| p: 0-9600   |     |
| BaudRate 8x 09 04 24 00 FF y0 50 00 0p FF 1-19200   |     |
|   |     |
| 2-38400<br>pp: 6-1080p@30   |     |
| Monitoring Mode 8x 09 04 24 72 FF y0 50 0p 0p FF 8-1080p@25   |     |
| 9-720p@60   |     |
| C-770n50  |     |
| Output enable 8x 09 04 24 73 FF y0 50 00 0p FF p: 1-CVBS On 2-SDI On 3-Both On Wide limit 8x 09 04 24 50 FF y0 50 00 pp FF pp: 0-EB   |     |
| Tele limit 8x 09 04 24 51 FF  |     |
| E-Zoom Max 8x 09 04 24 52 FF y0 50 00 pp FF pp: Max D-zoom ratio = 256/ (256-pp)  |     |
| Stable Zoom 8x 09 04 24 53 FF y0 50 00 0p FF p: 0-OFF 1-ON  |     |
| Focus Trace 8x 09 04 24 54 FF y0 50 00 0p FF p: 0-OFF 1-ON  |     |
| Focus Offset 8x 09 04 24 55 FF y0 50 00 pp FF pp: 0-FF  |     |
| ClockDisplayOn 8x 09 04 24 43 FF y 0 50 00 0p FF p: 0-0FF 1-0N  |     |
| TempDisplayOn 8x 09 04 24 44 FF y0 50 00 0p FF p: 0-OFF 1-ON  AE_InOutdoor 8x 09 04 24 4B FF y0 50 00 0p FF p: 0-AE Indoor Mode 1-AE Outdoor Mode   |     |
| n: Near Limit 0.300m 1.4M 2.4 5M 3.2M   |     |
| Focus Near Limit 8x 09 04 24 5F FF y0 50 00 0p FF 4-3M, 5-10M   |     |
| Fogus Far Limit 8v 00 04 24 60 EE vid 50 00 00 EE p: Far Limit 0-2M, 1-3M, 2-5M, 3-10M,   |     |
| Focus Far Limit 8x 09 04 24 60 FF y0 50 00 0p FF 4-Infinity   |     |
|   |     |
| CAM_ColorEnhancel 8x 09 04 20 FF y0 50 mm nn pp qq rr FF mm: First byte from the top threshold value  |     |
| nn: Second byte from the top threshold value  pp: Third byte from the top threshold value   |     |
| pp. Time bye more than the top threshold value  a: Color specification for high-intensity   |     |
| r: Color specification for low-intensity  |     |
| Colors  |     |
| 0: Yellow 1:Cyan 2:Green 3:White  |     |
| 4: Magenta 5:Red 6:Blue 7:Black 8:Gray  |     |
| 8x 09 04 50 FF y0 50 02 FF On   |     |
| V0 50 03 FF         Off           CAM_ChromaSuppri 8x 09 04 5F FF         y0 50 pp FF         pp: Chroma Suppress setting level   |     |
| CAM_ColorGainfq & v9 94 49 FF   |     |
| CAM_ColorHueing 8x 09 04 4F FF y0 50 00 00 00 0F F p: Color Hue setting 0h (? 14 degrees) ~ Eh (+ 14 degree   |     |
| ng : Current Temperature  | ?S) |
| CAM_TempInq 8x 09 04 68 FF y0 50 00 00 0p 0q FF 9 0(0°C) ~ 0x7F(127 °C)   | es) |
| CAM_Menu 8x 09 06 06 FF y0 50 0p FF p: 2-ON 3-OFF   | es) |
| ICAM Feering Status also Div 00 04 00 FF 10 00 FF   | es) |
| CAM_FocusStatusIr         8x 09 04 08 FF         y0 50 02 FF         Focus executing           y0 50 03 FF         Focus stopped  | es) |

### Inquiry Command

| Command Packet                         | Inquiry Packet  | Comments   |
|--|---|--|
| 8x 09 7E 7E 00 FF                      | y0 50 0p 0p 0p 0p 0q 0q 0r 0r 0r 0r 00 hh 0m FF         | pppp: Zoom position qq: Near limit rrrr: Focus position hh: [5]DzoomMode 0-combine 1-seperate [4:3] 0-Nor 1-Interval 2-ztrg [2]AF sensitivity 0-slow 1-Nor [1]Dzoom 0-off 1-on [0]FocusMode 0-Manual 1-Auto m: [3]Low contrast detection 0-no 1-yes [2]Camera memory recall 0-stopped 1-executing [1]Focus command 0-stopped 1-executing [0]Zoom command 0-stopped 1-executing                         |
| 8x 09 7E 7E 01 FF                      | y0 50 0p 0p 0q 0q 0r 0s 0t hh mm nn 0u vv 0w FF         | pp: Rgain qq: Bgain r: WB mode s: Aperture gain t: Exposue Mode h: [5]High resolution 0-off 1-on [4]Wide-D 0-off 1-other than off [3]Spot AE 0-off 1-on [2]Back Light 0-off 1-on [1]Exposure comp. 0-off 1-on [0]slow shutter 0-Manual 2-Auto mm: Shutter position n: Iris position u: Gain position vv: Bright position vv: Bright position vv: Exposure Comp. position                               |
| 8x 09 7E 7E 02 FF                      | y0 50 0p qq rr 0s 00 00 0t 0t 0t 0t hh 00 00 FF         | p: [3]Auto ICR alarm 0-off 1-on [2]Auto ICR 0-off 1-on [1]0 [0]power 0-off 1-on qq: [4]ICR 0-off 1-on rr: [5]Privacy zone 0-off 1-on [4]Mute 0-off 1-on [3]Title display 0-off 1-on [2]Display 0-off 1-on s: Picture Effect Mode tttt: Cam ID hh: [4]Memory 0-not provided 1-provided [3]0 [2]ICR 0-not provided 1-provided [1]0 [0]0-1/60,1/30 1-1/50,1/25  |
| 8x 09 7E 7E 03 FF                      | y0 50 0p 0p 0q 0q 0r 0r 0s 0t 0u vv hh mm nn FF         | pp: Dzoom position qq: AF activation time rr: AF Interval time s: SpotAE position X t: SpotAE position Y u: [2]MD 0-off 1-on [1]Alarm 0-off 1-on [0]flip 0-off 1-on vv: [6:3]color gain [2]Advanced privacy 0-not provided [1]Alarm 0-not provided [0]flip 0-oft provided hr: AE response mm: [6:4]Gamma [3]High Sensitivity mode 0-off 1-on [2:0]NR level nn: [6:4]Chroma suppression [3:0]Gain limit |
| 8x 09 7E 7E 04 FF<br>8x 09 7E 7E 05 FF | y0 50 0p 0q 0r 0s 0s 00 00 00 00 00 00 00 FF            | p: WideD mode 0-off 1-on 2-auto on/off 3-on(ratioFix) 4-on(Dver) q: [3:2]WideD screen display 0-combined image 2-longtime 3-shorttime [1:0]WideD detection sensitivity 0-L 1-M 2-H r: [3:2]WideD blocked-up shadow correction level 0-L 1-M 2-H 3-S [1:0]WideD blown-out highlight correction level 0-L 1-M 2-H ss: WideD short exposure Exposure ratio p: Color Hue                                   |
|  | 8x 09 7E 7E 00 FF  8x 09 7E 7E 01 FF  8x 09 7E 7E 02 FF | 8x 09 7E 7E 00 FF y 0 50 0p 0p 0p 0q 0q 0r 0r 0r 0r 00 hh 0m FF  8x 09 7E 7E 01 FF y 0 50 0p 0p 0q 0q 0r 0s 0t hh mm nn 0u vv 0w FF  8x 09 7E 7E 02 FF y 0 50 0p 0q 0q 0r 0s 0t hh mm nn 0u vv 0w FF  8x 09 7E 7E 03 FF y 0 50 0p 0q 0q 0r 0r 0s 0t 0u vv hh mm nn FF  8x 09 7E 7E 03 FF y 0 50 0p 0q 0q 0r 0r 0s 0t 0u vv hh mm nn FF   |

| Chutter Case 4 | Value | NTSC DAI        | IRIS       | Value    | F no. |        |
|----------------|-------|-----------------|------------|----------|-------|--------|
| Shutter Speed  | Value | NTSC PAL        | IKIS       | Value    |       |        |
|                | 15    | 1/10000 1/10000 |            | 11       | F1.6  |        |
|                | 14    | 1/6000 1/6000   |            | 10<br>0F | F2    |        |
|                | 13    | 1/4000 1/3500   |            |          | F2.4  |        |
|                | 12    | 1/3000 1/2500   |            | 0E       | F2.8  |        |
|                | 11    | 1/2000 1/1750   |            | 0D       | F3.4  |        |
|                | 10    | 1/1500 1/1250   |            | 0C       | F4    |        |
|                | 0F    | 1/1000 1/1000   |            | 0B       | F4.8  |        |
|                | 0E    | 1/725 1/600     |            | 0A       | F5.6  |        |
|                | 0D    | 1/500 1/425     |            | 09       | F6.8  |        |
|                | OC    | 1/350 1/300     |            | 08       | F8    |        |
|                | 0B    | 1/250 1/215     |            | 07       | F9.6  |        |
|                | 0A    | 1/180 1/150     |            | 06       | F11   |        |
|                | 09    | 1/125 1/120     |            | 05       | F14   |        |
|                | 08    | 1/100 1/100     |            | 00       | CLOSE |        |
|                | 07    | 1/90 1/75       |            |          |       |        |
|                | 06    | 1/60 1/50       |            |          |       |        |
|                | 05    | 1/30 1/25       |            |          |       |        |
|                | 04    | 1/15 1/12       |            |          |       |        |
|                | 03    | 1/8 1/6         |            |          |       |        |
|                | 02    | 1/4 1/3         |            |          |       |        |
|                | 01    | 1/2 1/2         |            |          |       |        |
|                | 00    | 1/1 1/1         |            |          |       |        |
|                |       |                 |            |          |       |        |
|                |       |                 |            |          |       |        |
| Gain           | Value | dB              | Brightness | Value    | IRIS  | GAIN   |
|                | 0F    | +28 dB          |            | 1F       | F1.6  | +28 dB |
|                | 0E    | +26 dB          |            | 1E       | F1.6  | +26 dB |
|                | 0D    | +24 dB          |            | 1D       | F1.6  | +24 dB |
|                | OC    | +22 dB          |            | 1C       | F1.6  | +22 dB |
|                | 0B    | +20 dB          |            | 1B       | F1.6  | +20 dB |
|                | 0A    | +18 dB          |            | 1A       | F1.6  | +18 dB |
|                | 09    | +16 dB          |            | 19       | F1.6  | +16 dB |
|                | 08    | +14 dB          |            | 18       | F1.6  | +14 dB |
|                | 07    | +12 dB          |            | 17       | F1.6  | +12 dB |
|                | 06    | +10 dB          |            | 16       | F1.6  | +10 dB |
|                | 05    | +8 dB           |            | 15       | F1.6  | +8 dB  |
|                | 04    | +6 dB           |            | 14       | F1.6  | +6 dB  |
|                | 03    | +4 dB           |            | 13       | F1.6  | +4 dB  |
|                | 02    | +2 dB           |            | 12       | F1.6  | +2 dB  |
|                | 01    | 0 dB            |            | 11       | F1.6  | 0 dB   |
|                | 00    | -3 dB           |            | 10       | F2    | 0 dB   |
|                |       |                 |            | 0F       | F2.4  | 0 dB   |
|                |       |                 |            | 0E       | F2.8  | 0 dB   |
| Gain Limit     | Value | dB              |            | 0D       | F3.4  | 0 dB   |
|                | 0F    | +28 dB          |            | 0C       | F4    | 0 dB   |
|                | 0E    | +26 dB          |            | 0B       | F4.8  | 0 dB   |
|                | 0D    | +24 dB          |            | 0A       | F5.6  | 0 dB   |
|                | 0C    | +22 dB          |            | 09       | F6.8  | 0 dB   |
|                | 0B    | +20 dB          |            | 08       | F8    | 0 dB   |
|                | 0A    | +18 dB          |            | 07       | F9.6  | 0 dB   |
|                | 09    | +16 dB          |            | 06       | F11   | 0 dB   |
|                | 08    | +14 dB          |            | 05       | F14   | 0 dB   |
|                | 07    | +12 dB          |            | 00       | CLOSE | 0 dB   |
|                | 06    | +10 dB          |            | 00       | OLUGE | 0 UD   |
|                | 05    | +8 dB           |            |          |       |        |
|                |       |                 |            |          |       |        |
|                | 04    | +6 dB           |            |          |       |        |

## TABLE

|               | x20 Model  |              |   |              | x12 Model  |              |
|---------------|------------|--------------|---|--------------|------------|--------------|
| Zoom Ratio    | Zoom Ratio | Positon Data |   | Zoom Ratio   | Zoom Ratio | Positon Data |
| Optical Zoom  | <b>×</b> 1 | 0000         |   | Optical Zoom | <b>x</b> 1 | 0000         |
|               | ×2         | 1851         |   |              | <b>x</b> 2 | 1982         |
|               | ×3         | 22BE         |   |              | <b>x</b> 3 | 24E2         |
|               | ×4         | 28F6         |   |              | ×4         | 2BC9         |
|               | ×5         | 2D45         |   |              | <b>×</b> 5 | 3099         |
|               | ×6         | 3086         |   |              | ×6         | 343D         |
|               | ×7         | 3320         |   |              | ×7         | 3724         |
|               | ×8         | 3549         |   |              | ×8         | 3988         |
|               | <b>×</b> 9 | 371E         |   |              | ×9         | 3B8B         |
|               | ×10        | 38B3         |   |              | ×10        | 3D43         |
|               | ×11        | 3A12         |   |              | ×11        | 3EBB         |
|               | ×12        | 3B42         |   |              | ×12        | 4000         |
|               | ×13        | 3C47         |   |              |            |              |
|               | ×14        | 3D25         | ı | Digital Zoom | ×1         | 4000         |
|               | ×15        | 3DDF         |   | Ü            | ×2         | 6000         |
|               | ×16        | 3E7B         |   |              | <b>x</b> 3 | 6A80         |
|               | ×17        | 3EFB         |   |              | ×4         | 7000         |
|               | ×18        | 3F64         |   |              | <b>×</b> 5 | 7300         |
|               | ×19        | 3FBA         |   |              | ×6         | 7540         |
|               | ×20        | 4000         |   |              | ×7         | 76C0         |
|               | ALO        | 1000         |   |              | ×8         | 7800         |
| Digital Zoom  | ×1         | 4000         |   |              | ×9         | 78C0         |
| Digital 20011 | ×2         | 6000         |   |              | ×10        | 7980         |
|               | ×3         | 6A80         |   |              | ×11        | 7A00         |
|               | ×4         | 7000         |   |              | x12        | 7AC0         |
|               | ×5         | 7300         |   |              | X12        | 7400         |
|               | ×6         | 7540         |   |              |            |              |
|               | ×7         | 76C0         |   |              |            |              |
|               | ×7<br>×8   |              |   |              |            |              |
|               | xo<br>x9   | 7800<br>78C0 |   |              |            |              |
|               |            |              |   |              |            |              |
|               | ×10        | 7980         |   |              |            |              |
|               | ×11        | 7A00         |   |              |            |              |
|               | ×12        | 7AC0         |   |              |            |              |
|               |            |              |   |              |            |              |
|               |            |              |   |              |            |              |
|               | x10 Model  |              |   |              |            |              |
| 7 D-11-       |            | Dealter Date |   |              |            |              |
| Zoom Ratio    | Zoom Ratio | Positon Data |   |              |            |              |
| Optical Zoom  | ×1         | 0000         |   |              |            |              |
|               | ×2         | 1AE1         |   |              |            |              |
|               | ×3         | 271B         |   |              |            |              |
|               | ×4         | 2DD3         |   |              |            |              |
|               | <b>×</b> 5 | 32F2         |   |              |            |              |
|               | ×6         | 374C         |   |              |            |              |
|               | ×7         | 3A7F         |   |              |            |              |
|               | ×8         | 3CDD         |   |              |            |              |
|               | <b>×</b> 9 | 3E66         |   |              |            |              |
|               | ×10        | 4000         |   |              |            |              |
| Digital Zoom  | ×1         | 4000         |   |              |            |              |
| g             | ×2         | 6000         |   |              |            |              |
|               | ×3         | 6A80         |   |              |            |              |
|               | ×4         | 7000         |   |              |            |              |
|               | ×5         | 7300         |   |              |            |              |
|               | x6         | 7540         |   |              |            |              |
|               | хо<br>×7   | 76C0         |   |              |            |              |
|               | ×8         | 7800         |   |              |            |              |
|               | xo<br>x9   | 78C0         |   |              |            |              |
|               | ×10        | 7980         |   |              |            |              |
|               | ×10<br>×11 | 7980<br>7A00 |   |              |            |              |
|               | x12        | 7A00<br>7AC0 |   |              |            |              |
|               | 014        | 7,000        |   |              |            |              |
|               |            |              |   |              |            |              |