

Registrar map of KP-FD500GV/F500GV/FD202GV/F202GV/FD145GV/F145GV FD140GV/F140GV/FD83GV/F83GV/FD33GV/F33GV (for Firmware Version 01.01.07 or more)

December 18, 2008 Version 1.02 Hitachi Kokusai Electric Inc.

	Category	Feature name	NameSpace	Level	Access	Address	Interface	Visibility	Min	Max	Initial	Save	Note
DeviceInformation			Standard			0xA0010000							
1		DeviceVendorName	Standard	R	RO	0x00000048	String	Expert	-	-	-		
2		DeviceModelName	Standard	R	RO	0x00000068	String	Expert	-	-	-		
3		DeviceManufactureInfo	Standard	R	RO	0x000000A8	String	Expert	-	-	-		
4		DeviceVersion	Standard	R	RO	0x00000088	String	Expert	-	-	-		
5		DeviceFirmwareVersion	Standard	R	RO	0xA0010090	String	Expert	-	-	-		Data length is 16 Byte
6		DeviceID	Standard	R	RO	0x000000D8	String	Expert	-	-	-		
7		DeviceUserID	Standard	O	RW	0x000000E8	String	Expert	-	-	-	OK	
8		DeviceScanType	Standard	R	RO	0xA00100D0	Enumeration	Expert	-	-	0		0: Areascan
ImageFormatControl			Standard			0xA0020000							
9		SensorWidth	Standard	R	RO	0xA002F000	Integer	Expert	-	-	specific	OK	
10		SensorHeight	Standard	R	RO	0xA002F004	Integer	Expert	-	-	specific	Ok	
11		WidthMax	Standard	R	RO	0xA002F008	Integer	Expert	-	-	specific	OK	
12		HeightMax	Standard	R	RO	0xA002F00C	Integer	Expert	-	-	specific	OK	
13		Width	Standard	M	RW	0xA0020000	Integer	-	-	2 dynamic	specific	OK	Inc = 2, Max = "WidthMax" - "OffsetX"
14		Height	Standard	M	RW	0xA0020004	Integer	-	-	2 dynamic	specific	OK	Inc = 2, Max = "HeightMax" - "OffsetY"
15		OffsetX	Standard	R	RW	0xA0020008	Integer	-	-	0 dynamic	specific	OK	Inc = 2, Max = "WidthMax" - "Width" - "Inc"
16		OffsetY	Standard	R	RW	0xA002000C	Integer	-	-	0 dynamic	specific	OK	Inc = 2, Max = "HeightMax" - "Height" - "Inc"
17	B/W	BinningVertical	Standard	O	RW	0xA0020010	Integer	-	-	1	2	1 OK	
18		PixelFormat	Standard	M	RW	0xA0020014	Enumeration	-	-	-	specific	OK	
19		PixelColorFilter	Standard	R	RO	0xA0020018	Enumeration	-	-	-	specific	OK	0: BayerRG 1:BayerGB 2:BayerGR 3:BayerBG 4:None
AcquisitionAndTriggerControls			Standard			0xA0030000							
20		AcquisitionMode	Standard	M	RW	0xA0030000	Enumeration	-	-	-	1	OK	1: Continuous 2: MultiFrame 3: SingleFrame
21		AcquisitionStart	Standard	M	WO	0xA0030004	Command	-	-	-	-		Command: 1
22		AcquisitionStop	Standard	M	WO	0xA0030008	Command	-	-	-	-		Command: 0
23		AcquisitionFrameCount	Standard	R	RW	0xA003000C	Integer	Expert	1	255	1	OK	use when AcquisitionMode is MultiFrame
24		AcquisitionFrameRateAbs	Standard	R	RW	0xA0030010	Command	Expert	specific	specific	specific	OK	unit: Hz 1.0 step
25		AcquisitionFrameRateRaw	Standard	O	RW	0xA0030014	Command	Expert	specific	specific	specific	OK	unit: Hz 1 step
26		TriggerSelector	Standard	R	RW	0xA0030020	Enumeration	-	-	-	1	OK	1: FrameStart 2: ExposureStart 3: ExposureEnd 4: FrameTransferStart 5: VDRreset
27		TriggerMode [related to TriggerSelector]	Standard	R	RW	0xA0030024	Enumeration	-	-	-	0	OK	0: Off 1: On
28		TriggerSoftware [related to TriggerSelector]	Standard	R	WO	0xA0030028	Command	-	-	-	-	OK	Command: 1
29		TriggerSource [related to TriggerSelector]	Standard	R	RW	0xA003002C	Enumeration	-	-	-	0	OK	0: Line1 2: Line3 7: Software
30		TriggerActivation [related to TriggerSelector]	Standard	R	RW	0xA0030030	Enumeration	-	-	-	1	OK	0: FallingEdge 1: RisingEdge
31		TriggerDelayAbs [related to TriggerSelector]	Standard	R	RW	0xA0030034	Float	Expert	specific	specific	0	OK	unit: us
32		TriggerDelayRaw [related to TriggerSelector]	Standard	R	RW	0xA0030038	Integer	Expert	0	4095	0	OK	
33		ExposureMode	Standard	R	RW	0xA0030040	Enumeration	-	-	-	0	OK	0: Off 1: Timed 2: TriggerWidth
34		ExposureTimeAbs	Standard	R	RW	0xA0030044	Float	-	10	10000000	specific	OK	unit: us 1 step
35		ExposureTimeRaw	Standard	O	RW	0xA0030048	Integer	-	0	1536	specific	OK	
36		ExposureAuto	Standard	O	RW	0xA003004C	Enumeration	-	-	-	0	OK	0:Off 2:Continous
DigitalIO			Standard			0xA0040000							
37		LineSelector	Standard	R	RW	0xA0040000	Enumeration	-	-	-	1	OK	0: Line1(7pin) 1: Line2(10pin) 2: Line3(9pin)
38		LineInverter [related to LineSelector]	Standard	R	RW	0xA0040004	Boolean	-	FALSE	TRUE	FALSE	OK	
39		LineMode [related to LineSelector]	Standard	O	RO	0xA0040008	Enumeration	-	-	-	specific	OK	0: Input 1: Output *Line1/3 = Input, Line2 = Output
41		LineSource [related to LineSelector]	Standard	R	RW	0xA0040010	Enumeration	-	-	-	1	OK	0: Off 1: ExposureActive 2:Timer1Active 3: CameraVD
42		LineFormat [related to LineSelector]	Standard	O	RO	0xA0040014	Enumeration	-	-	-	specific	OK	2: TTL 5: OptoCoupled *Line1/3 = OptoCoupled, Line2 = TTL
Counters and Timers controls			Standard			0xA0050000							
43		TimerSelector	Standard	R	RW	0xA0050000	Enumeration	-	-	-	0	OK	0: Timer1
44		TimerDurationAbs [related to TimerSelector]	Standard	R	RW	0xA0050004	Float	-	specific	specific	0	OK	unit: us
45		TimerDurationRaw [related to TimerSelector]	Standard	R	RW	0xA0050008	Integer	-	0	4095	0	OK	
46		TimerDelayAbs [related to TimerSelector]	Standard	R	RW	0xA005000C	Float	-	specific	specific	0	OK	uni: us
47		TimerDelayRaw [related to TimerSelector]	Standard	R	RW	0xA0050010	Integer	-	0	4095	0	OK	
48		TimerTriggerSource [related to TimerSelector]	Standard	R	RW	0xA0050020	Enumeration	-	-	-	1	OK	0: Off 1: ExposureStart
49		TimerTriggerActivation [related to TimerSelector]	Standard	R	RW	0xA0050024	Enumeration	-	-	-	1	Ok	0: FallingEdge 1: RisingEdge

AnalogControls			Standard			0xA0070000						
50		GainSelector	Standard	O	RW	0xA0070000	Enumeration	-	-	-	0	OK 0: All
51		GainRaw [related to GainSelector]	Standard	O	RW	0xA0070004	Integer	-	specific	specific	0	OK 0.0358dB step
52		GainAbs [related to GainSelector]	Standard	O	RW	0xA0070008	Float	-	specific	specific	0	OK unit: dB 0.1 step
53		GainAuto [related to GainSelector]	Standard	O	RW	0xA007000C	Enumeration	-	-	-	0	OK 0: Off 1: Once 2: Continuous
54		BlackLevelSelector	Standard	O	RW	0xA0070010	Enumeration	Expert	-	-	0	OK 0: All
55		BlackLevelRaw [related to BlackLevelSelector]	Standard	O	RW	0xA0070014	Integer	Expert	0	255	128	OK
56	COLOR	BalanceWhiteAuto	Standard	O	RW	0xA0070020	Enumeration	Expert	-	-	0	OK 0: Off 1: Once 2: Continuous
57	COLOR	BalanceRatioSelector	Standard	O	RW	0xA0070024	Enumeration	Expert	-	-	1	OK 1: Red 3: Blue
58	COLOR	BalanceRatioAbs [related to BalanceRatioSelector]	Standard	O	RW	0xA0070028	Float	Expert	-	-	128	OK 0 to 255
GigEVisionTransportLayer			Standard			0xA0090000						
59		PayloadSize	Standard	M	RO	0xA009F000	Integer	-	-	-	specific	
60		GevVersionMajor	Standard	R	RO	0x00000000	Integer	Guru	-	-	specific	use 31-16 bit
61		GevVersionMinor	Standard	R	RO	0x00000000	Integer	Guru	-	-	specific	use 15-0 bit
62		GevDeviceModelsBigEndian	Standard	O	RO	0x00000004	Boolean	Guru	-	-	specific	use 0 bit
63		GevDeviceModeCharacterSet	Standard	O	RO	0x00000004	Enumeration	Guru	-	-	specific	use 31-24 bit
64		GevMACAddress	Standard	O	RO	0x00000008 0x0000000C	Integer	Guru	-	-	specific	High address Low address
65		GevSupportedIPConfigurationLLA	Standard	O	RO	0x00000010	Boolean	Guru	-	-	specific	use 29 bit
66		GevSupportedIPConfigurationDHCP	Standard	O	RO	0x00000010	Boolean	Guru	-	-	specific	use 30 bit
67		GevSupportedIPConfigurationPersistentIP	Standard	O	RO	0x00000010	Boolean	Guru	-	-	specific	use 31 bit
68		GevCurrentIPConfigurationLLA	Standard	O	RW	0x00000014	Boolean	Guru	-	-		use 29 bit
69		GevCurrentIPConfigurationDHCP	Standard	O	RW	0x00000014	Boolean	Guru	-	-		OK use 30 bit
70		GevCurrentIPConfigurationPersistentIP	Standard	O	RW	0x00000014	Boolean	Guru	-	-		OK use 31 bit
71		GevCurrentIPAddress	Standard	O	RO	0x00000024	Integer	Guru	-	-	specific	
72		GevCurrentSubnetMask	Standard	O	RO	0x00000034	Integer	Guru	-	-	specific	
73		GevCurrentDefaultGateway	Standard	O	RO	0x00000044	Integer	Guru	-	-	specific	
74		GevFirstURL	Standard	O	RO	0x00000200	String	Guru	-	-	specific	
75		GevSecondURL	Standard	O	RO	0x00000400	String	Guru	-	-	specific	
76		GevNumberOfInterfaces	Standard	O	RO	0x00000600	Integer	Guru	-	-	specific	
77		GevPersistentIPAddress	Standard	O	RW	0x0000064C	Integer	Guru	-	-		OK *When the value is written, it is preserved in the flash memory at once.
78		GevPersistentSubnetMask	Standard	O	RW	0x0000065C	Integer	Guru	-	-		OK *When the value is written, it is preserved in the flash memory at once.
79		GevPersistentDefaultGateway	Standard	O	RW	0x0000066C	Integer	Guru	-	-		OK *When the value is written, it is preserved in the flash memory at once.
80		GevMessageChannelCount	Standard	O	RO	0x00000900	Integer	Guru	-	-	specific	0 or 1
81		GevStreamChannelCount	Standard	O	RO	0x00000904	Integer	Guru	-	-	specific	1 to 512
82		GevSupportedOptionalCommandsUserDefinedName	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 0 bit
83		GevSupportedOptionalCommandsSerialNumber	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 1 bit
84		GevSupportedOptionalCommandsEVENTDATA	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 27 bit
85		GevSupportedOptionalCommandsEVENT	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 28 bit
86		GevSupportedOptionalCommandsPACKETRESET	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 29 bit
87		GevSupportedOptionalCommandsWRITEMEM	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 30 bit
88		GevSupportedOptionalCommandsConcatenation	Standard	O	RO	0x00000934	Boolean	Guru	-	-	specific	use 31 bit
89		GevHeartbeatTimeout	Standard	O	RW	0x00000938	Integer	Guru	-	-		OK unit: ms
90		GevTimestampTickFrequency	Standard	O	RO	0x0000093C 0x00000940	Integer	Guru	-	-	specific	High address Low address
91		GevTimestampControlLatch	Standard	O	WO	0x00000944	Command	Guru	-	-	-	command: 2
92		GevTimestampControlReset	Standard	O	WO	0x00000944	Command	Guru	-	-	-	command: 1
93		GevTimestampValue	Standard	O	RO	0x00000948 0x0000094C	Integer	Guru	-	-	specific	High address Low address
94		GevCCP	Standard	O	RW	0x00000A00	Enumeration	Guru	-	-	0	0: Non 1: Exclusive 2: Control
95		GevSCPHostPort	Standard	O	RW	0x00000D00	Integer	Guru	-	-		
96		GevSCPSFireTestPacket	Standard	O	RW	0x00000D04	Boolean	Guru	-	-		OK use 0 bit
97		GevSCPSPDoNotFragment	Standard	O	RW	0x00000D04	Boolean	Guru	-	-		OK use 1 bit
98		GevSCPSPBigEndian	Standard	O	RW	0x00000D04	Boolean	Guru	-	-		OK use 2 bit
99		GevSCPSPPacketSize	Standard	R	RW	0x00000D04	Integer	Beginner	-	-		OK use 31-16 bit
100		GevSCPD	Standard	R	RW	0x00000D08	Integer	Expert	-	-		
101		GevSCDA	Standard	O	RW	0x00000D18	Integer	Guru	-	-		IP address of connected PC
102		GevLinkSpeed	Standard	O	RW	0xA009F004	Integer	Expert	-	-	specific	unit: Mbps
UserSets			Standard			0xA00A0000						
103		UserSetSelector	Standard	R	RW	0xA00A0000	Enumeration	Expert	-	-	0	OK 0: Default 1-4:UserSet1-4
104		UserSetLoad [related to TriggerSelector]	Standard	R	WO	0xA00A0004	Command	Expert	-	-	-	Command: 1 Load items written "OK" in column "Save"
105		UserSetSave [related to TriggerSelector]	Standard	R	WO	0xA00A0008	Command	Expert	-	-	-	Command: 1 Save items written "OK" in column "Save"
106		UserSetDefaultSelector	Standard	O	RW	0xA00A000C	Enumeration	Expert	-	-	0	0: Default 1-4:UserSet1-4

CustomParams		Custom			0xA0F00000									
107		HeartbeatMode	Custom	-	RW	0xA0F0000C	Enumeration	Expert	-	-	2	OK	0: Disabled 1: StreamingOnly 2: Enabled	
108		PixelClock	Custom	-	RO	0xA0F00100	Integer	Guru	-	-	specific		unit: kHz *3	
CameraControls		Custom			0xA0FX0000									
109		PresetShutter	Custom	-	RW	0xA0F30010	Enumeration	Expert	-	-	255	OK	0: Normal 1-8: Preset1-8 255: Variable	
110		BlackLevelMode	Custom	-	RW	0xA0F70000	Enumeration	Expert	-	-	1	OK	0: Off 1: On	
111		GainMode	Custom	-	RW	0xA0F70004	Enumeration	Expert	-	-	1	OK	0: Off 1: On	
112	COLOR	BalanceRatioMode	Custom	-	RW	0xA0F70008	Enumeration	Expert	-	-	1	OK	0: Off 1: On	
113	COLOR	BalanceRatioRaw [releted to BalanceRatioSelect	Custom	-	RW	0xA0F7000C	Integer	Expert	-	0	255	128	OK	
114		GammaMode	Custom	-	RW	0xA0F70010	Enumeration	Expert	-	-	1	OK	0: Off 1: On	
115		GammaRaw	Custom	-	RW	0xA0F70014	Integer	Expert	-	0	255	0	OK	
116		SharpnessMode	Custom	-	RW	0xA0FF0000	Enumeration	Expert	-	-	0	OK	0: Off 1: On	
117		SharpnessRaw	Custom	-	RW	0xA0FF0004	Integer	Expert	-	0	255	0	OK	
118		ALCAadjustMode	Custom	-	RW	0xA0FF0008	Enumeration	Expert	-	-	0	OK	0: Off 1: On	
119		ALCAadjustRaw	Custom	-	RW	0xA0FF000C	Integer	Expert	-	0	255	128	OK	
120		KneeMode	Custom	-	RW	0xA0FF0010	Enumeration	Guru	-	-	0	OK	0: Off 1: On	
121		KneePointRaw	Custom	-	RW	0xA0FF0014	Integer	Guru	-	0	32	0	OK	
122		KneeSlopeRaw	Custom	-	RW	0xA0FF0018	Integer	Guru	-	0	159	0	OK	
123	COLOR	MaskingMode	Custom	-	RW	0xA0FF001C	Enumeration	Expert	-	-	0	OK	0: Off 1: On	
124	COLOR	MaskingSelector	Custom	-	RW	0xA0FF0020	Enumeration	Expert	-	-	1	OK	1: Red 2: Green 3: Blue 4: Cyan 5: Magenta 6: Yellow	
125	COLOR	SaturationRaw [related to MaskingSelector]	Custom	-	RW	0xA0FF0024	Integer	Expert	-	0	255	128	OK	
126	COLOR	HueRaw [related to MaskingSelector]	Custom	-	RW	0xA0FF0028	Integer	Expert	-	0	255	128	OK	
127	COLOR	PaintBlackMode	Custom	-	RW	0xA0FF002C	Enumeration	Guru	-	-	0	OK	0: Off 1: On	
128	COLOR	PaintBlackSelector	Custom	-	RW	0xA0FF0030	Enumeration	Guru	-	-	1	OK	1: Red 2: Green 3: Blue	
129	COLOR	PaintBlackRaw [related to PaintBlackSelector]	Custom	-	RW	0xA0FF0034	Integer	Guru	-	0	255	0	OK	
130		PartialScanMode	Custom	-	RW	0xA0FF0100	Enumeration	Expert	-	-	0	OK	0: Off 1: On	
Other (Inquire)		Custom			0xA0FXF000									
131		NameOfPreset1	Custom	-	RO	0xA0F3F000	String	-	-	-	specific			
132		NameOfPreset2	Custom	-	RO	0xA0F3F010	String	-	-	-	specific			
133		NameOfPreset3	Custom	-	RO	0xA0F3F020	String	-	-	-	specific			
134		NameOfPreset4	Custom	-	RO	0xA0F3F030	String	-	-	-	specific			
135		NameOfPreset5	Custom	-	RO	0xA0F3F040	String	-	-	-	specific			
136		NameOfPreset6	Custom	-	RO	0xA0F3F050	String	-	-	-	specific			
137		NameOfPreset7	Custom	-	RO	0xA0F3F060	String	-	-	-	specific			
138		NameOfPreset8	Custom	-	RO	0xA0F3F070	String	-	-	-	specific			
139		Width_InqMin_Fao	Custom	-	RO	0xA0F2F000	Integer	-	-	-	specific		equal to Min of Width	
140		Height_InqMin_Fao	Custom	-	RO	0xA0F2F004	Integer	-	-	-	specific		equal to Min of Height	
141		OffsetX_InqMin_Fao	Custom	-	RO	0xA0F2F008	Integer	-	-	-	specific		equal to Min of OffsetX	
142		OffsetY_InqMin_Fao	Custom	-	RO	0xA0F2F00C	Integer	-	-	-	specific		equal to Min of OffsetY	
143		Width_InqInc_Fao	Custom	-	RO	0xA0F2F010	Integer	-	-	-	specific		equal to Inc of Width	
144		Height_InqInc_Fao	Custom	-	RO	0xA0F2F014	Integer	-	-	-	specific		equal to Inc of Height	
145		OffsetX_InqInc_Fao	Custom	-	RO	0xA0F2F018	Integer	-	-	-	specific		equal to Inc of OffsetX	
146		OffsetY_InqInc_Fao	Custom	-	RO	0xA0F2F01C	Integer	-	-	-	specific		equal to Inc of OffsetY	
147		AcquisitionFrameCount_InqMin_Fao	Custom	-	RO	0xA0F3F0B0	Integer	-	-	-	specific		equal to Min of AcquisitionFrameCount	
148		AcquisitionFrameCount_InqMax_Fao	Custom	-	RO	0xA0F3F0B4	Integer	-	-	-	specific		equal to Max of AcquisitionFrameCount	
149		AcquisitionFrameRateAbs_InqMin_Fao	Custom	-	RO	0xA0F3F080	FLoat	-	-	-	specific		equal to Min of AcquisitionFrameRateAbs	
150		AcquisitionFrameRateAbs_InqMax_Fao	Custom	-	RO	0xA0F3F084	FLoat	-	-	-	specific		equal to Max of AcquisitionFrameRaeAbs	
151		AcquisitionFrameRateRaw_InqMin_Fao	Custom	-	RO	0xA0F3F088	Integer	-	-	-	specific		equal to Min of AcquisitionFrameRateRaw	
152		AcquisitionFrameRateRaw_InqMax_Fao	Custom	-	RO	0xA0F3F08C	Integer	-	-	-	specific		equal to Max of AcquisitionFrameRaeRaw	
153		TriggerSelector_InqMin_Fao	Custom	-	RO	0xA0F3F090	Integer	-	-	-	specific		equal to Min of TriggerSelector	
154		TriggerSelector_InqMax_Fao	Custom	-	RO	0xA0F3F094	Integer	-	-	-	specific		equal to Max of TriggerSelector	
155		TriggerDelayAbs_InqMin_Fao	Custom	-	RO	0xA0F3F098	FLoat	-	-	-	specific		equal to Min of TriggerDelayAbs	
156		TriggerDelayAbs_InqMax_Fao	Custom	-	RO	0xA0F3F09C	FLoat	-	-	-	specific		equal to Max of TriggerDelayAbs	
157		ReadoutDelayAbs_InqMin_Fao	Custom	-	RO	0xA0F3F0C0	FLoat	-	-	-	specific		equal to Min of TriggerDelayAbs(when TriggerSelector: FrameTransferStart)	
158		ReadoutDelayAbs_InqMax_Fao	Custom	-	RO	0xA0F3F0C4	FLoat	-	-	-	specific		equal to Max of TriggerDelayAbs(when TriggerSelector: FrameTransferStart)	
159		ExposureTimeAbs_InqMin_Fao	Custom	-	RO	0xA0F3F0A0	FLoat	-	-	-	specific		equal to Min of ExposureTimeAbs	
160		ExposureTimeAbs_InqMax_Fao	Custom	-	RO	0xA0F3F0A4	FLoat	-	-	-	specific		equal to Max of ExposureTimeAbs	
161		ExposureTimeRaw_InqMin_Fao	Custom	-	RO	0xA0F3F0A8	Integer	-	-	-	specific		equal to Min of ExposureTimeRaw	
162		ExposureTimeRaw_InqMax_Fao	Custom	-	RO	0xA0F3F0AC	Integer	-	-	-	specific		equal to Max of ExposureTimeRaw	
163		TimerDurationAbs_InqMin_Fao	Custom	-	RO	0xA0F5F000	FLoat	-	-	-	specific		equal to Min of TimerDurationAbs	
164		TimerDurationAbs_InqMax_Fao	Custom	-	RO	0xA0F5F004	FLoat	-	-	-	specific		equal to Max of TimerDurationAbs	
165		TimerDelayAbs_InqMin_Fao	Custom	-	RO	0xA0F5F010	FLoat	-	-	-	specific		equal to Min of TimerDelayAbs	
166		TimerDelayAbs_InqMax_Fao	Custom	-	RO	0xA0F5F014	FLoat	-	-	-	specific		equal to Max of TimerDelayAbs	

167		GainRaw_InqMin_Fao	Custom	-	RO	0xA0F7F000	Integer	-	-	-	specific	equal to Min of GainRaw
168		GainRaw_InqMax_Fao	Custom	-	RO	0xA0F7F004	Integer	-	-	-	specific	equal to Max of GainRaw
169		GainAbs_InqMin_Fao	Custom	-	RO	0xA0F7F008	FLoat	-	-	-	specific	equal to Min of GainAbs
170		GainAbs_InqMax_Fao	Custom	-	RO	0xA0F7F00C	FLoat	-	-	-	specific	equal to Max of GainAbs
171		BlackLevelRaw_InqMin_Fao	Custom	-	RO	0xA0F7F010	Integer	-	-	-	specific	equal to Min of BlackLevelRaw
172		BlackLevelRaw_InqMax_Fao	Custom	-	RO	0xA0F7F014	Integer	-	-	-	specific	equal to Max of BlackLevelRaw
173		GevSCPSPacketSize_InqMin_Fao	Custom	-	RO	0xA0F0F000	Integer	-	-	-	specific	equal to Min of GevSCPSPacketSize
174		GevSCPSPacketSize_InqMax_Fao	Custom	-	RO	0xA0F0F004	Integer	-	-	-	specific	equal to Max of GevSCPSPacketSize
175		GevSCPD_InqMin_Fao	Custom	-	RO	0xA0F0F008	Integer	-	-	-	specific	equal to Min of GevSCPD
176		GevSCPD_InqMax_Fao	Custom	-	RO	0xA0F0F00C	Integer	-	-	-	specific	equal to Max of GevSCPD
177	COLOR	BalanceRatioAbs_InqMin_Fao	Custom	-	RO	0xA0F7F018	FLoat	-	-	-	specific	equal to Min of BalanceRatioAbs
178	COLOR	BalanceRatioAbs_InqMax_Fao	Custom	-	RO	0xA0F7F01C	FLoat	-	-	-	specific	equal to Max of BalanceRatioAbs
179	COLOR	BalanceRatioRaw_InqMin_Fao	Custom	-	RO	0xA0F7F020	Integer	-	-	-	specific	equal to Min of BalanceRatioRaw
180	COLOR	BalanceRatioRaw_InqMax_Fao	Custom	-	RO	0xA0F7F024	Integer	-	-	-	specific	equal to Max of BalanceRatioRaw
181		GammaRaw_InqMin_Fao	Custom	-	RO	0xA0F7F028	Integer	-	-	-	specific	equal to Min of GammaRaw
182		GammaRaw_InqMax_Fao	Custom	-	RO	0xA0F7F02C	Integer	-	-	-	specific	equal to Max of GammaRaw
183		SharpnessRaw_InqMin_Fao	Custom	-	RO	0xA0FFF000	Integer	-	-	-	specific	equal to Min of SharpnessRaw
184		SharpnessRaw_InqMax_Fao	Custom	-	RO	0xA0FFF004	Integer	-	-	-	specific	equal to Max of SharpnessRaw
185		ALCAadjustRaw_InqMin_Fao	Custom	-	RO	0xA0FFF008	Integer	-	-	-	specific	equal to Min of ALCAadjustRaw
186		ALCAadjustRaw_InqMax_Fao	Custom	-	RO	0xA0FFF00C	Integer	-	-	-	specific	equal to Max of ALCAadjustRaw
187		KneePointRaw_InqMin_Fao	Custom	-	RO	0xA0FFF010	Integer	-	-	-	specific	equal to Min of KneePointRaw
188		KneePointRaw_InqMax_Fao	Custom	-	RO	0xA0FFF014	Integer	-	-	-	specific	equal to Max of KneePointRaw
189		KneeSlopeRaw_InqMin_Fao	Custom	-	RO	0xA0FFF018	Integer	-	-	-	specific	equal to Min of KneeSlopeRaw
190		KneeSlopeRaw_InqMax_Fao	Custom	-	RO	0xA0FFF01C	Integer	-	-	-	specific	equal to Max of KneeSlopeRaw
191	COLOR	SaturationRaw_InqMin_Fao	Custom	-	RO	0xA0FFF020	Integer	-	-	-	specific	equal to Min of SaturationRaw
192	COLOR	SaturationRaw_InqMax_Fao	Custom	-	RO	0xA0FFF024	Integer	-	-	-	specific	equal to Max of SaturationRaw
193	COLOR	HueRaw_InqMin_Fao	Custom	-	RO	0xA0FFF028	Integer	-	-	-	specific	equal to Min of HueRaw
194	COLOR	HueRaw_InqMax_Fao	Custom	-	RO	0xA0FFF02C	Integer	-	-	-	specific	equal to Max of HueRaw
195	COLOR	PaintBlackRaw_InqMin_Fao	Custom	-	RO	0xA0FFF030	Integer	-	-	-	specific	equal to Min of PaintBlackRaw
196	COLOR	PaintBlackRaw_InqMax_Fao	Custom	-	RO	0xA0FFF034	Integer	-	-	-	specific	equal to Max of PaintBlackRaw
197		IsMonoCamera_IncFao	Custom	-	RO	0xA0FFFF00	Boolean	-	-	-	specific	use 31 bit
198		IsColorCamera_IncFao	Custom	-	RO	0xA0FFFF00	Boolean	-	-	-	specific	use 30 bit
199		hasMono8_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 31 bit
200		hasMono8Signed_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 30 bit
201		hasMono10_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 29 bit
202		hasMono10Packed_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 28 bit
203		hasMono12_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 27 bit
204		hasMono12Packed_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 26 bit
205		hasMono16_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 25 bit
206		hasBayerGR8_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 24 bit
207		hasBayerRG8_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 23 bit
208		hasBayerGB8_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 22 bit
209		hasBayerBG8_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 21 bit
210		hasBayerGR10_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 20 bit
211		hasBayerRG10_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 19 bit
212		hasBayerGB10_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 18 bit
213		hasBayerBG10_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 17 bit
214		hasBayerGR12_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 16 bit
215		hasBayerRG12_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 15 bit
216		hasBayerGB12_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 14 bit
217		hasBayerBG12_IncFao	Custom	-	RO	0xA0F2F100	Boolean	-	-	-	specific	use 13 bit
218		hasRGB8Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 31 bit
219		hasBGR8Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 30 bit
220		hasRGB12Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 25 bit
221		hasBGR12Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 24 bit
222		hasRGB10V1Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 23 bit
223		hasYUV411Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 22 bit
224		hasYUV422Packed_IncFao	Custom	-	RO	0xA0F2F104	Boolean	-	-	-	specific	use 21 bit
225		hasYUV422_10Packed_IncFao	Custom	-	RO	0xA0F2F108	Boolean	-	-	-	specific	use 31 bit
226		hasYUV422_12Packed_IncFao	Custom	-	RO	0xA0F2F108	Boolean	-	-	-	specific	use 30 bit
227		hasYUV411_10Packed_IncFao	Custom	-	RO	0xA0F2F108	Boolean	-	-	-	specific	use 29 bit
228		hasYUV411_12Packed_IncFao	Custom	-	RO	0xA0F2F108	Boolean	-	-	-	specific	use 28 bit