Ethernet/IP Object Model Description								Modbus TCP Registers correlated to Ethernet/IP Objects																															
										0x01/3A01/E3																													
Object Description	Instance	Attribute ID	Name	Data Type	Data Value	Access Rule	Comment	Modbus ID	Starting Register	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2h TCP Object (0Ffdm: 1 instance)	Class (Instance 0)	1	Revision	UINT	2	get		255	1																														
	Instance 1	2	Status*	DWORD	0	get		255	8000																														
		3	Configuration capability*	DWORD	0	get		255	8123																														
		4	Configuration control*	DWORD	0	get		255	8133																														
		6	Physical Link Object * Structure of Path Size Path	UINT Array of Word	6 0x20F6 0x2400	get		255	8561																														
		5	Interface configuration* Structure of IP Address Network Mask Gateway Address Name Server Name Server 2 Domain Name Size Domain Name	UDINT UDINT UDINT UDINT UDINT UDINT UINT STRING	0 0 0 0 0 0 0 0	get		255	8501																														
		6	Host Name Structure of Host Name Size Host Name	UINT STRING	0 0	get		255	8101																														
2F Ethernet Link Object (0Ffdm3A: 3 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		246	1																														
	Instance 1	7	Interface speed*	UINT	100	get		246	8025																														
		2	Interface flags*	DWORD	0	get		246	8013																														
		3	Physical address	ARRAY Array (6)	0	get		246	8037																														
2B System Commonal Object (0x3B3A: 4 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		242	1																														
	Instance 1	7	Camera Distance Units	SHORT STRING32	"feet" "meter"	get/set		100	4005																														
		2	Camera Temperature Units	SHORT STRING32	"C" - Celsius "F" - Fahrenheit	get/set		100	4023																														
		3	Current Preset Profile	UINT	1	get/set	Fm: now will always return frame Grade	100	4041																														
2F Contents Control Continuous Object (0x5B3A: 7 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		245	1																														
	Instance 1	1	Auto MGC	BOOL	0 Disable 1- Enable	get/set		101	6005																														
		2	Focus MGC *	BOOL	0 Do Nothing 1- Execute	get/set		101	6023																														
		3	Auf Auto Focus *	BOOL	0 Do Nothing 1- Fail Auto Focus	get/set	Fck Sco FLIR Acll	101	6041																														
		4	Fof Auto Focus *	BOOL	0 Do Nothing 1- Fail Auto Focus	get/set	Fck Sco FLIR Acll	101	6061																														
		5	Focus Control Speed	UINT	0 100	get/set	Fck Sco FLIR Acll	101	6081																														
		6	Focus Control	UINT	0 - No Nothing 1- Near (-) 2- Far (+)	get/set	Fck Sco FLIR Acll	101	6101																														
		7	Focus Position	UINT	0 max	get/set	Fck Sco FLIR Acll	101	6121																														
		8	Digital Zoom	BOOL	0-1.0	get/set		101	6141																														
		9	Enable Overlay Graphics	BOOL	0 Disable 1- Enable	get/set		101	6161																														
		10	Overlay Graphics Camera Label	BOOL	0 - Off 1- On	get/set		101	6181																														
		11	Overlay Graphics Scale	BOOL	0 - Off 1- On	get/set		101	6201																														
		12	Overlay Graphics Date/Time	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6221																														
		13	Overlay Graphics Emissivity	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6241																														
		14	Overlay Graphics Distance	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6261																														
		15	Overlay Graphics Reflected Temp.	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6281																														
		16	Overlay Graphics Atmospheric Temp.	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6301																														
		17	Overlay Graphics Relative Humidity	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6321																														
		18	Overlay Graphics Lens	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6341																														
		19	Overlay Graphics Measurement Mask	BOOL	0 - Off 1- On	get/set	Fck Sco FLIR Acll	101	6361																														
2E Temperature Control Object (0ffdfb3A: 6 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		102	1																														
		2	Max Instance	UINT	255	get		102	21																														
		100	Lens name	SHORT STRING32		get		102	1621																														
		101	Write Lens ID to "ir-"	SHORT STRING32		get/set		102	1641																														
		102	Write "ir1- "ir- "image:zoom:query:dz"	SHORT STRING32		get/set		102	1661																														
		103	Write "ir0- "ir- "image:zoom:query:dz"	SHORT STRING32		get/set		102	1681																														
		104	Write "ir- "ir- "image:zoom:query:dz"	SHORT STRING32		get/set		102	1701																														
		105	Zoom Query	SHORT STRING32		get		102	1721																														
		106	Current Temp. Range Case	SHORT STRING32		get/set		102	1741																														
		107	Change Temperature Case *	BOOL	0 Do Nothing 1-Execute	get/set		102	1761																														
	Instance 2 to																																						
		2	Current Lower Limit Temp.	REAL	0 celsius	get		102	max7+	4001	4001	12001	14001	20001	22001	28001	30001	36001	38001	44001	46001	52001	54001	60001	62001	68001	70001	76001	78001
		3	Current Lower Limit Temp.	REAL	0 celsius	get		102	max7+	4021	4021	12021	14021	20021	22021	28021	30021	36021	38021	44021	46021	52021	54021	60021	62021	68021	70021	76021	78021
		7	Auto Enabled	BOOL	0 - No 1- Yes	get		102	max7+	4041	4041	12041	14041	20041	22041	28041	30041	36041	38041	44041	46041	52041	54041	60041	62041	68041	70041	76041	78041
31 Image Control Commonals Object (x7fffb3A: 9 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		103	1																														
	Instance 1	1	Palette	SHORT STRING32	"bw pal" "iron pal" "rainbow pal"	get/set		103	4005																														
		2	Palette Invert	BOOL	0 - Normal 1- Reverse	get/set		103	4023																														
		3	Quality	UINT	0 High (1) 1- Normal (20) 2- Low (30)	get/set		103	4041																														
		4	Image Automatic Adjust	SHORT STRING32	"Auto" "Manual"	get/set		103	4061																														
		5	Scale Min	REAL	0celsius	get/set		103	4081																														
		6	Scale Max	REAL	0celsius	get/set		103	4101																														
		8	Span	REAL	0celsius	get/set		103	4141																														
		9	Level	REAL	0celsius	get/set		103	4161																														
		5	One Time Image Auto Adjust *	BOOL	0 - Do Nothing 1-Execute	get/set		103	4181																														
		10	Image Adjust Method	SHORT STRING32	"Linear" "Histogram"	get/set		103	4181																														
		11	Image Freeze	BOOL	0 - Off 1- On	get/set		103	4201																														
		12	Image Live	BOOL	0 - Off 1- On	get/set		103	4221																														
		13	Image State	SHORT STRING32	"LIVE" "FREEZE"	get		103	4241																														
		14	Image Measure Mode	BOOL	0-Normal 1-High Pro-One Shot	get/set		103	4261																														
		15	Image Measurement One Shot *	BOOL	0 - Do Nothing 1-Execute	get/set		103	4281																														
32 Isotherm Control Commonals Object (0ffdfb3A: 1 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		104	1																														
		2	Max Instance	UINT	255	get		104	21																														
	Instance 1																																						
		3	Isotherm Enable	BOOL	0 - Off 1- On	get/set		104	4005																														
		2	Isotherm Type	SHORT STRING32	"Above" "Below"	get/set		104	4023																														
		3	Isotherm Level	REAL	0celsius	get/set		104	4041																														
		4	Isotherm Color	SHORT STRING32	"palette1" "palette2" "red" "green" "blue" "yellow" "Cyan" "magenta" "gray"	get/set		104	4061																														
33 Image File Storage Object (0ffdfb3A: 4 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		105	1																														
	Instance 1	7	Store Image to Camera Memory *	BOOL	0 - Do Nothing 1- Execute	get/set	Ndf: Saves images to directory IFLIRImages	105	4005																														
34 Alarm Settings Object (0x3B3A: 9 Instances)	Class (Instance 0)	1	Revision	UINT	2	get		106	1																														
	Instance 1 - 8	2	Max Instance	UINT	8	get		106	21																														
		3	Alarm Status	BOOL	0 - Off 1- On	get		106	max7+	4001	4001	12001	14001	20001	22001	28001	30001																						
	Instance 9																																						
		3	Alarm Status	BOOL	0 - Off 1- On	get		106	9001																														
35 Object Parameters Object (0ffdfb3A: 1 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		107	1																														
	Instance 1	1	Atmospheric Temperature	REAL	0celsius	get/set		107	4005																														
		2	Emissivity	REAL	0.001-1.0	get/set		107	4023																														
		3	Distance	REAL	Meters	get/set		107	4041																														
		4	Reflected Temp.	REAL	0celsius	get/set		107	4061																														
		5	Relative Humidity	REAL	0-1.0	get/set		107	4081																														
		6	Window Transmission Rate	REAL	0.001-1.0	get/set		107	4101																														
		7	Window Temperature	REAL	0celsius	get/set		107	4121																														
36 Spot Meter Object (0x3B3A: 20 Instances)	Class (Instance 0)	1	Revision	UINT	2	get		108	1																														
	Instance 1 - 20	2	Max Instance	UINT	20	get		108	21																														
		1	Enable Local Object Parameter Values	BOOL	0- Disabled 1- Enabled	get/set		108	max7+	4001	4001	12001	14001	20001	22001	28001	30001	36001	38001	44001	46001	52001	54001	60001	62001	68001	70001	76001	78001
		2	Reflected Temp.	REAL	0celsius	get/set		108	max7+	4021	4021	12021	14021	20021	22021	28021	30021	36021	38021	44021	46021	52021	54021	60021	62021	68021	70021	76021	78021
		3	Emissivity	REAL	0.001-1.0	get/set		108	max7+	4041	4041	12041	14041	20041	22041	28041	30041	36041	38041	44041	46041	52041	54041	60041	62041	68041	70041	76041	78041
		4	Distance	REAL	Meters	get/set		108	max7+	4061	4061	12061	14061	20061	22061	28061	30061	36061	38061	44061	46061	52061	54061	60061	62061	68061	70061	76061	78061
		5	Enable Spotmeter	BOOL	0-Disable 1-Enable	get/set		108	max7+	4081	4081	12081	14081	20081	22081	28081	30081	36081	38081	44081	46081	52081	54081	60081	62081	68081	70081	76081	78081
		6	Spotmeter Pixel X-Position	UINT		get/set		108	max7+	4101	4101	12101	14101	20101	22101	28101	30101	36101	38101	44101	46101	52101	54101	60101	62101	68101	70101	76101	78101
		7	Spotmeter Pixel Y-Position	UINT		get/set		108	max7+	4121	4121	12121	14121	20121	22121	28121	30121	36121	38121	44121	46121	52121	54121	60121	62121	68121	70121	76121	78121
		8	Spotmeter Temp.	REAL	0celsius	get		108	max7+	4141	4141	12141	14141	20141	22141	28141	30141	36141	38141	44141	46141	52141	54141	60141	62141	68141	70141	76141	78141
		9	Spotmeter Temp. State	UINT	0 Undefined(U) 1- Valid (=) 2- Less Than(<) 3- More Than(>) 4- Outside(O) 5- Outside .odb(*) 6- Unstable(~) 7- Compensated with delta .ovrs(Iscal)	get		108	max7+	4161	4161	12161	14161	20161	22161	28161	30161	36161	38161	44161	46161	52161	54161	60161	62161	68161	70161	76161	78161
37 Box Object (0x3B3A: 20 Instances)	Class (Instance 0)	1	Revision	UINT	2	get		109	1																														
		2	Max Instance	UINT	20	get		109	21																														
	Instance 1 - 20																																						
		1	Enable Local Object Parameter Values	BOOL	0- Disabled 1- Enabled	get/set		109	max7+	4001	4001	12001	14001	20001	22001	28001	30001	36001	38001	44001	46001	52001	54001	60001	62001	68001	70001	76001	78001
		2	Reflected Temp.	REAL	0celsius	get/set		109	max7+	4021	4021	12021	14021	20021	22021	28021	30021	36021	38021	44021	46021	52021	54021	60021	62021	68021	70021	76021	78021
		3	Emissivity	REAL	0.001-1.0	get/set		109	max7+	4041	4041	12041	14041	20041	22041	28041	30041	36041	38041	44041	46041	52041	54041	60041	62041	68041	70041	76041	78041
		4	Distance	REAL	Meters	get/set		109	max7+	4061	4061	12061	14061	20061	22061	28061	30061	36061	38061	44061	46061	52061	54061	60061	62061	68061	70061	76061	78061
		5	Enable Box	BOOL	0-Disable 1-Enable	get/set		109	max7+	4081	4081	12081	14081	20081	22081	28081	30081	36081	38081	44081	46081	52081	54081	60081	62081	68081	70081	76081	78081
		6	Box Max Temp.	REAL	0celsius	get		109	max7+	4101	4101	12101	14101	20101	22101	28101	30101	36101	38101	44101	46101	52101	54101	60101	62101	68101	70101	76101	78101
		7	Box Max Temp. State	UINT	0 Undefined(U) 1- Valid (=) 2- Less Than(<) 3- More Than(>) 4- Outside(O) 5- Outside .odb(*) 6- Unstable(~) 7- Compensated with delta .ovrs(Iscal)	get		109	max7+	4121	4121	12121	14121	20121	22121	28121	30121	36121	38121	44121	46121	52121	54121	60121	62121	68121	70121	76121	78121
		8	Box Min. Temp.	REAL	0celsius	get		109	max7+	4141	4141	12141	14141	20141	22141	28141	30141	36141	38141	44141	46141	52141	54141	60141	62141	68141	70141	76141	78141
		9	Box Min. Temp. State	UINT	0 Undefined(U) 1- Valid (=) 2- Less Than(<) 3- More Than(>) 4- Outside(O) 5- Outside .odb(*) 6- Unstable(~) 7- Compensated with delta .ovrs(Iscal)	get		109	max7+	4161	4161	12161	14161	20161	22161	28161	30161	36161	38161	44161	46161	52161	54161	60161	62161	68161	70161	76161	78161
		10	Box Avg. Temp.	REAL	0celsius	get		109	max7+	4181	4181	12181	14181	20181	22181	28181	30181	36181	38181	44181	46181	52181	54181	60181	62181	68181	70181	76181	78181
		11	Box Avg. Temp. State	UINT	0 Undefined(U) 1- Valid (=) 2- Less Than(<) 3- More Than(>) 4- Outside(O) 5- Outside .odb(*) 6- Unstable(~) 7- Compensated with delta .ovrs(Iscal)	get		109	max7+	4201	4201	12201	14201	20201	22201	28201	30201	36201	38201	44201	46201	52201	54201	60201	62201	68201	70201	76201	78201
		12	Box Position X	UINT		get/set		109	max7+	4221	4221	12221	14221	20221	22221	28221	30221	36221	38221	44221	46221	52221	54221	60221	62221	68221	70221	76221	78221
		13	Box Position Y	UINT		get/set		109	max7+	4241	4241	12241	14241	20241	22241	28241	30241	36241	38241	44241	46241	52241	54241	60241	62241	68241	70241	76241	78241
		14	Box Max Temp. Position X	UINT		get		109	max7+	4261	4261	12261	14261	20261	22261	28261	30261	36261	38261	44261	46261	52261	54261	60261	62261	68261	70261	76261	78261
		15	Box Max Temp. Position Y	UINT		get		109	max7+	4281	4281	12281	14281	20281	22281	28281	30281	36281	38281	44281	46281	52281	54281	60281	62281	68281	70281	76281	78281
		16	Box Min. Temp. Position X	UINT		get		109	max7+	4301	4301	12301	14301	20301	22301	28301	30301	36301	38301	44301	46301	52301	54301	60301	62301	68301	70301	76301	78301
		17	Box Min. Temp. Position Y	UINT		get		109	max7+	4321	4321	12321	14321	20321	22321	28321	30321	36321	38321	44321	46321	52321	54321	60321	62321	68321	70321	76321	78321
		18	Box Width	UINT		get/set		109	max7+	4341	4341	12341	14341	20341	22341	28341	30341	36341	38341	44341	46341	52341	54341	60341	62341	68341	70341	76341	78341
		19	Box Height	UINT		get/set		109	max7+	4361	4361	12361	14361	20361	22361	28361	30361	36361	38361	44361	46361	52361	54361	60361	62361	68361	70361	76361	78361
		20	Temp. Display Options	UINT	Bit 0: Display Max Temp. Bit 1: Display Min Temp. Bit 2: Display Avg Temp.	get/set		109	max7+	4381	4381	12381	14381	20381	22381	28381	30381	36381	38381	44381	46381	52381	54381	60381	62381	68381	70381	76381	78381
38 Temperature Difference Object (0ffdfb3A: : 5 Instances)	Class (Instance 0)	1	Revision	UINT	2	get		110	1																														
		2	Max Instance	UINT	255	get		110	21																														
		100	Internal Camera Temp.	REAL		get		110	1941																														
	Instance 1 to																																						
		7	Enable Temp. Difference	BOOL	0 Disable 1- Enable	get/set		110	max7+	4005	4005	12005	14005	20005	22005																								
		2	Value of Temp. Difference	REAL	0celsius	get		110	max7+	4021	4021	12021	14021	20021	22021																								
		3	Difference Temp. Valid State	UINT	0 Undefined(U) 1- Valid (=) 2- Less Than(<) 3- More Than(>) 4- Outside(O) 5- Outside .odb(*) 6- Unstable(~) 7- Compensated w/ delta .ovrs(Iscal)	get		110	max7+	4041	4041	12041	14041	20041	22041																								
39 Physical IMVObject (0ffdfb3A: : 3 Instance)	Class (Instance 0)	1	Revision	UINT	2	get		111	1																														
	Instance 1	1	DI 1	BOOL	0 Off - On	get		111	8001																														
		2	DI 2	BOOL	0 Off - On	get	Fck Sco FLIR Acll	111	8021																														
		101	DO 1	BOOL	0 Low 1-High	get/set		111	8001																														
		102	DO 2	BOOL	0 Low 1-High	get/set	Fck Sco FLIR Acll	111	8021																														