Thermal 3 vs Thermal 2 Commands – Command List by Subsystem – Field Access

Subsystem	TH2 Command	What it does	TH3 Command	What it does
ACT			**act info**	Display ACT information
			act shutter (open|close)	Control the fast shutter
BBS	**bbs balance [nocal]**	Perform a beam-balance	**bbs balance**	Perform a beam-balance
	bbs contrast	Calculate the contrast ratio	**bbs contrast**	Calculate the contrast ratio
	bbs info	Display BBS information	**bbs info**	Display BBS information
	bbs power (preset|calibrate|on|off) [nocal]	Calculate the head power	**bbs power (preset|calibrate|on|off)**	Calculate the head power
	bbs profile [nocal]	Calculate the stroke profile	**bbs profile [<increment>]**	Calculate the stroke profile
	bbs shutter (open|close)	Control the beam-balance sensor shutter	**bbs shutter (open|close)**	Control the beam-balance sensor shutter
BPD	**bpd info**	Display BPD information		
	bpd mode (on|update|hold|off)	Set the BPD control mode		
EED	**eeprom erase**	Erase the EEPROM		
	eeprom info	Display EEPROM information		
	eeprom verify	Verify the EEPROM		
ERR	**err <code>**	Print the error code	**err <code>**	Print the error code
	err list	List all registered error codes	**err list**	List all registered error codes
FBT			**load (boot|main)**	Load the firmware
			reset [bbr|boot|main]	Reset the hardware
FLS	**fls info**		**fls info**	
FOC	**foc actmode [<actuator mode>]**	Specifies the auto-focus system actuator mode		
			foc <on|off>	Enable focus servo
			foc cal demod	Calibrate range finder demodulation
			foc cal eq	Calibrate equalizer phase
			foc cal laser	Calibrate focus laser
			foc cal lvdt	Calibrate lens position sensor
			foc cal rcvrgain	Calibrate focus receiver gain
			foc cal rcvroffset	Calibrate focus receiver offset
			foc cal svf	Calibrate feedback gain
			foc idle	Idle focus servo
			foc ignore	Temporarily ignore focus learn errors
	foc info	Displays information about the focus subsystem	**foc info**	Display auto focus information
			foc init	Initialize focus servo
			foc laser <off|led|apc> [<power>] [<med|mon>] [<mod|bias>]>	Select focus laser mode
			foc learn <type>	Enable focus learn
	foc lpos [<lens position>]	The setpoint for the final lens position control	**foc lpos [<position>]**	Set or display lens position

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FOCCont'd			**foc offset ramp <pedestal><slope><length><position>**	Set up focus ramp parameters for the next plot
			foc park	Select focus park state
			foc stream <on|off>	Control focus data streaming
HDW	**reset [soft]**	Perform a hardware/software reset		
HIF	**head install (on|off)**	Configure the head install mode	**head install (on|off)**	Configure the head install mode
	laser (on|off)	Configure the write laser control mode	**laser (on|off)**	Configure the write laser control mode
	shutter (open|close)	Open / close the internal shutter	**shutter (open|close)**	Open / close the internal shutter
	stroke cal	Perform a stroke calibration	**stroke cal**	Perform a stroke calibration
IBS			**ibs balance [nocal]**	Perform an internal balance
			ibs info	Display IBS information
			ibs profile [<increment>] [nocal]	Calculate the stroke profile
LDD			**ldd cal (dual|a|b) <setpoint>**	Set the calibrate power (closed-loop)
			ldd current (dual|a|b) <setpoint>	Set the laser current
	ldd info	Display LDD information	**ldd info**	Display LDD information
			ldd off	Turn the write laser off
			ldd on (dual|a|b) <setpoint>	Set the laser power (closed-loop)
LVD	**lvd hotlink reset**	Reset the hotlink counters		
	lvd info	Display LVD information	**lvd info**	Display LVD information
	lvd mode (plot|local|test|standalone|standby|off)	Set the LVD control mode	**lvd mode (plot [(high|low)]|local [(high|low)]|disable|off)**	Set the LVD control mode
			lvd stroke	Display LVD information
MED	**med index <media index>**	Select the media	**med index <media index>**	Select the media
	med info	Display media information	**med info**	Display media information
MON	**(field|eng)**	Set the access level	**(field|eng|dev)**	Set the access level
	help list	List all registered subsystems	**help list**	List all registered subsystems
	help [<subsystem>]	List all registered commands	**help [<subsystem>]**	List all registered commands
	monitor baud (960019200|38400|57600|115200)	Change the monitor baud rate		
NET			**net info**	Display NET information

Subsystem	TH2 Command	What it does	TH3 Command	What it does
PLT			**plt image (fiber|rs422|synthesizer) (fiber|tpg) [<pattern>]**	Update the image configuration
			plt info	Diplay plot information
			plt label <label>	Set the TPG label
			plt list	List the TPG patterns
			plt mode (image|off)	Set the PLT control mode
			plt synthesizer <dd> <ds> <msz> <ssz> <dpi> [invert] [overlap]	Update the synthesizer configuration
			plt tpg <msz> <dpi> [invert] [overlap]	Update the TPG configuration
PRM	**prm copy <subsystem> [parameter] <source> <destination>**	Transfer all subsystem parameters	**prm copy <subsystem> [parameter] <source> <destination>**	Transfer all subsystem parameters
	prm diff	List the baseline parameters	**prm diff**	List the baseline parameters
	prm dump	Dump all parameters	**prm dump**	Dump all parameters
	prm list	List all registered subsystems	**prm list**	List all registered subsystems
	prm restore	Restore the baseline parameters	**prm restore**	Restore the baseline parameters
	prm save	Save the baseline parameters	**prm save**	Save the baseline parameters
	set	List all registered subsystems	**set**	List all registered subsystems
	set <subsystem> [<copy>] <parameter> [(<element>|all)] <value>	Write the parameter	**set <subsystem> [<copy>] <parameter> [(<element>|all)] <value>**	Write the parameter
	set <subsystem> [<copy>] [<parameter>]	Read the parameter	**set <subsystem> [<copy>] [<parameter>]**	Read the parameter
RDR	**redirect (enable|pass|disable)**	Configure the redirection mode		
	redirect info	Display the redirection information		
REG	**reg erase [baseline]**	Erase the registry		
	reg info	Display registry information	**reg info**	Display registry information
	reg optimize	Optimize the registry	**reg optimize**	Optimize the registry
	reg verify [baseline]	Verify the registry	**reg verify [baseline]**	Verify the registry
SBT	**fload bundle**	Load the firmware bundle (binary download)	**fload bundle (bbr|boot|main)**	Load the firmware bundle
	fload bundle y	Load the firmware bundle (Y-modem)		
STS	**sts info**	Display all statistics points		
	sts reset (<index>|all)	Reset the statistics point(s)		
	sts update	Update all statistics points		
SYM	**temp**	Read all temperatures from the system monitor		
	volt	Read all voltages from the system monitor		

Subsystem	TH2 Command	What it does	TH3 Command	What it does
SYS	**sys edge reset**	Re-initialize the edge detect state	**sys edge reset**	Re-initialize the edge detect state
	sys edge [standard|featureless|off]	Configure the edge detect control mode	**sys edge [standard|featureless|off]**	Configure the edge detect control mode
	sys fan (on|off)	Turn the fan on\off		
	sys fault (warning|shutdown|fatal) [<number>]	Generate warning/shutdown/fatal fault(s)	**sys fault (warning|shutdown|fatal) [<number>]**	Generate warning/shutdown/fatal fault(s)
	sys fault state	Determine the fault state	**sys fault state**	Determine the fault state
	sys fault [<point> (on|off)]	Display/configure the fault configuration		
	sys focus (learn|adjust|on|off)	Configure the focus control mode	**sys focus (learn|adjust|on|off)**	Configure the focus control mode
	sys focus state	Determine the status of the focus control mode	**sys focus state**	Determine the status of the focus control mode
	sys head position (automatic|manual|off)	Determine the head position for exposure head installation	**sys head position (automatic|manual on|manual off|install on|install off)**	Determine the head position for exposure head installation
	sys head standby	Inform the exposure head of the head command	**sys head standby**	Inform the exposure head of the head command
	sys info	Display system information	**sys info**	Display system information
	sys laser state	Determine the status of the write laser control mode	**sys laser state**	Determine the status of the write laser control mode
	sys laser [on|off|anneal]	Configure the write laser control mode	**sys laser [on|standby|off|anneal]**	Configure the write laser control mode
	sys parm access <index> (disable|enable)	Configure host access to the system parameters	**sys parm access <index> (disable|enable)**	Configure host access to the system parameters
	sys parm config	Configure the system parameters	**sys parm config**	Configure the system parameters
	sys parm [<index><value>]	Display/write the system parameters	**sys parm [<index><value>]**	Display/write the system parameters
	sys plot (init|start|pause|restart|stop|abort)	Inform the exposure head of the plot command	**sys plot (init|start|pause|restart|stop|abort)**	Inform the exposure head of the plot command
	sys shutter (open|close)	Open/close the shutter	**sys shutter (open|close)**	Open/close the shutter
	sys stroke cal	Initiate a stroke calibration	**sys stroke cal**	Initiate a stroke calibration
	sys stroke cal state	Determine the status of the stroke calibration	**sys stroke cal state**	Determine the status of the stroke calibration
	sys stroke restore	Restore the stroke calibration	**sys stroke restore**	Restore the stroke calibration
	sys test data reset	Reset the “Data” exposure head test		
	sys test data [enable|disable]	Configure the “Data” exposure head test control mode		
URT	**urt info**	Display uart information	**urt info**	Display uart information
VBS	**vbs disable (<subsystem>|all)**	Disable the verbose level for the subsystem(s)	**vbs disable (<subsystem>|all)**	Disable the verbose level for the subsystem(s)
	vbs enable (<subsystem>|all) <level>	Enable the verbose level for the subsystem(s)	**vbs enable (<subsystem>|all) <level>**	Enable the verbose level for the subsystem(s)
	vbs list	List the verbose level for all subsystems	**vbs list**	List the verbose level for all subsystems
VER	**ver**	Display the firmware banner	**ver**	Display the firmware banner
	ver list	List all registered subsystems	**ver list [(name|date)]**	List all registered subsystems