

PTU Series COMMAND Chart (D46/D47/D48/D100/D300)

2010/8/27

Category	Chapter	Command	Funtion	All	Execute		Query	
					PAN	TILT	PAN	TILT
Position Control	4.1	Position (absolute)			PP<position><delim>	TP<position><delim>	PP<delim>	TP<delim>
	4.2	Offset Position (relative offset)			PO<position><delim>	TO<position><delim>	PO<delim>	TO<delim>
	4.3	Resolution per Position					PR<delim>	TR<delim>
	4.4	Limit Position Queries	minimum maximum				PN<delim>	TN<delim>
			enable	LE<delim>			PX<delim>	TX<delim>
			disable	LD<delim>				
	4.5	Position Limit Enforcement						
	4.6	Immediate Position Execution Mode		I<delim>			IQ<delim>	
		Slaved Position Execution Mode		S<delim>				
	4.7	Await Position Command Completion		A<delim>				
	4.8	Halt Command		H<delim>	HP<delim>	HT<delim>		
Speed Control	4.9	Monitor (Autoscan) Command	pan only	M<pan pos 1><pan pos 2><delim>				
			both axis	M<pan pos 1><pan pos 2><tilt pos 1><tilt pos 2><delim>				
			enable	ME<delim>				
	4.10		disable	MD<delim>			MQ<delim>	MS<delim>
			status					
			set preset	XS<index><delim>				
			go to preset	XG<index><delim>				
			clear preset	XC<index><delim>				
	4.11	Position Presets						
	4.12	PTU Speed/Position			B<pan pos><tilt pos><pan speed><tilt speed><delim>		B<delim>	
	5.1	Speed (absolute)			PS<positions/sec><delim>	TS<positions/sec><delim>	PS<delim>	TS<delim>
	5.2	Delta Speed (relative offset)			PD<positions/sec><delim>	TD<positions/sec><delim>	PD<delim>	TD<delim>
Continuous Axis Rotation	5.3	Acceleration			PA<positions/sec2><delim>	TA<positions/sec2><delim>	PA<delim>	TA<delim>
	5.4	Base (Start-Up) Speed			PB<positions/sec><delim>	TB<positions/sec><delim>	PB<delim>	TB<delim>
	5.5	Speed Bounds	upper lower		PU<positions/sec><delim>	TU<positions/sec><delim>	PU<delim>	TU<delim>
			query	C<delim>	PL<positions/sec><delim>	TL<positions/sec><delim>	PL<delim>	TL<delim>
	5.6	Speed Control Modes	independent pure velocity	CI<delim> CV<delim>				
	6.1	Stationary Power Mode	enable disable		PCE<delim> PCD<delim>		PC<delim>	
User-Defined Limits	7.1	Position Limit Queries	execute	R<delim>				
			disable	RD<delim>				
			minimum				PN<delim>	TN<delim>
			maximum				PX<delim>	TX<delim>
	7.2	Position Limit Enforcement	enable factory limits	LE<delim>				
			enable user dfined	LU<delim>				
			disable	LD<delim>				
			execute	R<delim>	RP<delim>	RT<delim>		
Unit Commands	8.1	Reset Pan-Tilt Unit	desable	RD<delim>				
	8.2	Default Save/Restore	exnable	RE<delim>				
			save	DS<delim>				
			restor	DR<delim>				
	8.3	Echo Query/Enable/Disable	factory defaults	DF<delim>				
			query	E<delim>				
			enable	EE<delim>				
			disable	ED<delim>				
Power Control	8.4	Feedback Verbose/Terse/Off	query verbose terse	F<delim> FV<delim> FT<delim>				
	8.5	Controller Firmware Version Query		V<delim>				
	8.6	Supply Voltage and Temperature		O<delim>				
	9.1	Stationary Power Mode	regular low off high		PHR<delim> PHL<delim> PHO<delim> PMH<delim>	THR<delim> THL<delim> THO<delim> TMH<delim>	PH<delim>	TH<delim>
	9.2	In-Motion Power Mode	regular low		PMR<delim> PML<delim>	TMR<delim> TML<delim>	PM<delim>	TM<delim>
Host Serial Port	10.1	Configuring Host Serial Port		@<baud><byte delay in msec><startup default><delim>				
Expanded I/O	11.1	Establish communications	PortA PortB	@A<delim> @B<delim>				
		Resume communications with the PTU		@<delim>				
	11.2	Establish communications	PortA PortB	@A<baud><databits><parity><handshaking><delim> @B<baud><databits><parity><handshaking><delim>				
	11.3	Attaching Mose/Trackball to Expanding Serial	PortA PortB	@A(M)<delim> @B(M)<delim>				
	11.4	Expanding Analog Joystick	Enable Disable	JE<delim> JD<delim>				
Step Modes	12.1	Configuring Step Mode			WP<resolution><delim>	WT<resolution><delim>	WP<delim>	WT<delim>
PTU Serial Network	13.1	Set PTU to interactive mode		U0<delim>				
		Set PTU network unit ID		U<Unit ID><delim>			U<delim>	
	13.2	Unit Select/Deselect	Unit Select Broadcast to all network	<Unit ID><delim> O<delim>				