

Pan Tilt Control Commands

#	Function	Commands	Memo
1	Pan Right	FF add 00 02 data1 00 sum	
		Data1 stands for speed levels, optional 0x00-0x3F	
2	Day Laft	FF add 00 04 data1 00 sum	
	Pan Left	Data1 stands for speed levels, optional 0x00-0x3F	
	Up Control	FF add 00 08 00 data2 sum	
3		Data2 stands for speed levels, optional 0x00-0x3F	
		FF add 00 10 00 data2 sum	
4	Down Control	Data2 stands for speed levels, optional 0x00-0x3F	
5	Pan Angle Query	FF 01 00 51 00 00 52	
6	Pan angle return format	FF 01 00 59 PMSB PLSB SUM	
7	Tilt angle query	FF 01 00 53 00 00 54	
8	Tilt angle feedback format	FF 01 00 5B TMSB TLSB SUM	
9	Zero point setting	Pan O point: FF 01 00 03 00 67 6B	
		Tilt 0 point: FF 01 00 03 00 68 6C	
10	Set preset	FF add 00 03 00 data2 sum	
11	Call preset	FF add 00 07 00 data2 sum	
12	Delete preset	FF add 00 05 00 data2 sum	



13 Start cruising				
FF 01 00 07 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 60 64 FF 01 00 03 00 datal sum datal stands for time FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 62 66 FF 01 00 03 00 62 66 FF 01 00 03 00 64 65 FF 01 00 03 00 65 60 17 Set line scan start FF 01 00 03 00 5C 60 18 Run line scan FF 01 00 03 00 5A 5E FF 01 00 03 00 5A 62 FF 01 00 03 00 5A 65 FF 01 00 03 00 5A 65 FF 01 00 03 00 63 65 FF 01 00 03 00 63 67 FF 01 00 03 00 63 65 FF 01 00 03 00 63 65	13	Start cruising	FF 01 00 07 00 62 6A	
14 Cruising dwell time	14	Cruising dwell time	FF 01 00 03 00 5A 5E	
14 Cruising dwell time FF 01 00 03 00 60 64 FF 01 00 03 00 datal sum datal stands for time FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 61 65 FF 01 00 03 00 datal sum datal stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5A 5E FF 01 00 03 00 5C 60 18 Run line scan FF 01 00 03 00 5A 5E FF 01 00 03 00 5A 6E FF 01 00 03 00 5A 6E FF 01 00 03 00 5A 6E FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			FF 01 00 07 00 5A 62	
FF 01 00 03 00 60 64 FF 01 00 03 00 data1 sum data1 stands for time FF 01 00 03 00 5A 5E FF 01 00 03 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 62 66 FF 01 00 03 00 data1 sum data1 stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 03 00 5A 5E FF 01 00 03 00 5A 5E FF 01 00 03 00 5A 5E FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			FF 01 00 03 00 62 66	
International Content of Conten			FF 01 00 03 00 60 64	
FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 61 65 FF 01 00 03 00 datal sum datal stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			FF 01 00 03 00 data1 sum	
FF 01 00 07 00 5A 62 FF 01 00 03 00 62 66 FF 01 00 03 00 61 65 FF 01 00 03 00 data1 sum data1 stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			data1 stands for time	
FF 01 00 03 00 62 66 FF 01 00 03 00 61 65 FF 01 00 03 00 data1 sum data1 stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 50 60 17 Set line scan end FF 01 00 03 00 50 61 18 Run line scan FF 01 00 07 00 63 68 FF 01 00 07 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			FF 01 00 03 00 5A 5E	
15 Cruising speed set FF 01 00 03 00 61 65 FF 01 00 03 00 data1 sum data1 stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 07 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 63 65			FF 01 00 07 00 5A 62	
FF 01 00 03 00 61 65 FF 01 00 03 00 data1 sum data1 stands for speed, optional 1-63 16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65	15	Cruining appeal ant	FF 01 00 03 00 62 66	
data1 stands for speed, optional 1-63 16	כו	Cruising speed set	FF 01 00 03 00 61 65	
16 Set line scan start FF 01 00 03 00 5C 60 17 Set line scan end FF 01 00 03 00 5D 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			FF 01 00 03 00 data1 sum	
17 Set line scan end FF 01 00 03 00 50 61 18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65			data1 stands for speed, optional 1-63	
18 Run line scan FF 01 00 07 00 63 6B FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65	16	Set line scan start	FF 01 00 03 00 5C 60	
FF 01 00 03 00 5A 5E FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65	17	Set line scan end	FF 01 00 03 00 5D 61	
FF 01 00 07 00 5A 62 FF 01 00 03 00 63 67 FF 01 00 03 00 61 65	18	Run line scan	FF 01 00 07 00 63 6B	
FF 01 00 03 00 63 67 Set line scan speed FF 01 00 03 00 61 65	19	Set line scan speed	FF 01 00 03 00 5A 5E	
19 Set line scan speed FF 01 00 03 00 61 65			FF 01 00 07 00 5A 62	
FF 01 00 03 00 61 65			FF 01 00 03 00 63 67	
			FF 01 00 03 00 61 65	
FF 01 00 03 00 data1 sum			FF 01 00 03 00 data1 sum	
data1 stands for speed, optional 1-63			data1 stands for speed, optional 1-63	



20	Pan angle positioning	FF ADD 00 4B DATA1 DATA2 SUM	
21	Tilt angle positioning	FF ADD 00 4D DATA1 DATA2 SUM	
22	Enable guard location	FF 01 00 03 00 5E 62	
23	Disable guard location	FF 01 00 07 00 5E 66	
		FF 01 00 03 00 5A 5E	
		FF 01 00 07 00 5A 62	
24	Set guard location time	FF 01 00 03 00 5E 62	
24		FF 01 00 03 00 60 64	
		FF 01 00 03 00 data1sum	
		data1 stands for time	
25	Open Aux	FF add 00 09 00 data2 sum	
26	Shut Aux	FF add 00 OB 00 data2 sum	
27	Zoom +	FF 01 00 20 00 00 21	
28	Zoom -	FF 01 00 40 00 00 41	
29	Focus far	FF 01 00 80 00 00 81	
30	Focus near	FF 01 01 00 00 00 02	



31	Iris open	FF 01 02 00 00 00 03	
32	Iris shut	FF 01 04 00 00 00 05	
33	Open real time angle feedback	FF 01 00 03 00 69 6D	
34	Shut real time angle feedback	FF 01 00 07 00 69 71	
35	Remote restart	FF 01 00 03 00 FE 02	
36	Factory default	FF 01 00 03 00 5A 5E	
		FF 01 00 07 00 5A 62	
		FF 01 00 03 00 FF 03	
		FF 01 00 07 00 FF 07	

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