

Robot CPU board <VS-RC003/VS-RC003HV> List of Variables

locked-in variable
defined variable
not defined variable

Variable	Brief	Read/Write	comment
0	Pose Slider bar number 0 Output CN1-1 servo motor	Read	
1	Pose Slider bar number 1 Output CN1-2 servo motor	Read	Interpolation Type is Cubic spline interpolation
2	Pose Slider bar number 2 Output CN1-3 servo motor	Read	Interpolation Type is Cubic spline interpolation
3	Pose Slider bar number 3 Output CN1-4 servo motor	Read	Interpolation Type is Cubic spline interpolation
4	Pose Slider bar number 4 Output CN1-5 servo motor	Read	Interpolation Type is Cubic spline interpolation
5	Pose Slider bar number 5 Output CN1-6 servo motor	Read	Interpolation Type is Cubic spline interpolation
6	Pose Slider bar number 6 Output CN1-1 servo motor	Read	Interpolation Type is Cubic spline interpolation
7	Pose Slider bar number 7 Output CN1-2 servo motor	Read	Interpolation Type is Cubic spline interpolation
8	Pose Slider bar number 8 Output CN1-3 servo motor	Read	Interpolation Type is Cubic spline interpolation
9	Pose Slider bar number 9 Output CN1-4 servo motor	Read	Interpolation Type is Cubic spline interpolation
10	Pose Slider bar number 10 Output CN1-5 servo motor	Read	Interpolation Type is Cubic spline interpolation
11	Pose Slider bar number 11 Output CN1-6 servo motor	Read	Interpolation Type is Cubic spline interpolation
12	Pose Slider bar number 12 Output CN1-1 servo motor	Read	Interpolation Type is Cubic spline interpolation
13	Pose Slider bar number 13 Output CN1-2 servo motor	Read	Interpolation Type is Cubic spline interpolation
14	Pose Slider bar number 14 Output CN1-3 servo motor	Read	Interpolation Type is Cubic spline interpolation
15	Pose Slider bar number 15 Output CN1-4 servo motor	Read	Interpolation Type is Cubic spline interpolation
16	Pose Slider bar number 16 Output CN1-5 servo motor	Read	Interpolation Type is Cubic spline interpolation
17	Pose Slider bar number 17 Output CN1-6 servo motor	Read	Interpolation Type is Cubic spline interpolation
18	Pose Slider bar number 18 Output CN1-1 servo motor	Read	Interpolation Type is Cubic spline interpolation
19	Pose Slider bar number 19 Output CN1-2 servo motor	Read	Interpolation Type is Cubic spline interpolation
20	Pose Slider bar number 20 Output CN1-3 servo motor	Read	Interpolation Type is Cubic spline interpolation
21	Pose Slider bar number 21 Output CN1-4 servo motor	Read	Interpolation Type is Cubic spline interpolation
22	Pose Slider bar number 22 Output CN1-5 servo motor	Read	Interpolation Type is Cubic spline interpolation
23	Pose Slider bar number 23 Output CN1-6 servo motor	Read	Interpolation Type is Cubic spline interpolation
24	Pose Slider bar number 24 Output CN1-1 servo motor	Read	Interpolation Type is Cubic spline interpolation
25	Pose Slider bar number 25 Output CN1-2 servo motor	Read	Interpolation Type is Cubic spline interpolation
26	Pose Slider bar number 26 Output CN1-3 servo motor	Read	Interpolation Type is Cubic spline interpolation
27	Pose Slider bar number 27 Output CN1-4 servo motor	Read	Interpolation Type is Cubic spline interpolation

28	Pose Slider bar number 28 Output CN1-5 servo motor	Read	Interpolation Type is Cubic spline interpolation
29	Pose Slider bar number 29 Output CN1-6 servo motor	Read	Interpolation Type is Cubic spline interpolation
30	Pose Slider bar number 30 Output audio	Read	Interpolation Type is Switching before transition
31	Pose Slider bar number 31 VS-IX001(Gyro/acceleration board) Gyro X-axis gain	Read	Interpolation Type is Cubic spline interpolation
32	Pose Slider bar number 32 VS-IX001(Gyro/acceleration board) Gyro Y-axis gain	Read	Interpolation Type is Cubic spline interpolation
33	Pose Slider bar number 33 VS-IX004(LED board) DUTY0	Read	Interpolation Type is Cubic spline interpolation
34	Pose Slider bar number 34 VS-IX004(LED board) DUTY1	Read	Interpolation Type is Cubic spline interpolation
35	Pose Slider bar number 35 VS-IX004(LED board) PCS0	Read	Interpolation Type is Cubic spline interpolation
36	Pose Slider bar number 36 VS-IX004(LED board) PCS1	Read	Interpolation Type is Cubic spline interpolation
37	Pose Slider bar number 37 VS-IX004(LED board) SEL0	Read	Interpolation Type is Switching before transition
38	Pose Slider bar number 38 VS-IX004(LED board) SEL1	Read	Interpolation Type is Switching before transition
39	Pose Slider bar number 39 VS-IX007(Digital I/O board) I/O 0-7ch Output reference variables	Read	Interpolation Type is Switching before transition
40	Pose Slider bar number 40 VS-IX007(Digital I/O board) I/O 8-15ch Output reference variables	Read	Interpolation Type is Switching before transition
41	Pose Slider bar number 41	Read	Interpolation Type is No interpolation
42	Pose Slider bar number 42	Read	Interpolation Type is No interpolation
43	Pose Slider bar number 43	Read	Interpolation Type is No interpolation
44	Pose Slider bar number 44	Read	Interpolation Type is No interpolation
45	Pose Slider bar number 45	Read	Interpolation Type is No interpolation
46	Pose Slider bar number 46	Read	Interpolation Type is No interpolation
47	Pose Slider bar number 47	Read	Interpolation Type is No interpolation
48	Pose Slider bar number 48	Read	Interpolation Type is No interpolation
49	Pose Slider bar number 49	Read	Interpolation Type is No interpolation
50	Pose Slider bar number 50	Read	Interpolation Type is No interpolation
51	Pose Slider bar number 51	Read	Interpolation Type is No interpolation
52	Pose Slider bar number 52	Read	Interpolation Type is No interpolation
53	Pose Slider bar number 53	Read	Interpolation Type is No interpolation
54	Pose Slider bar number 54	Read	Interpolation Type is No interpolation
55	Pose Slider bar number 55	Read	Interpolation Type is No interpolation
56	Pose Slider bar number 56	Read	Interpolation Type is No interpolation
57	Pose Slider bar number 57	Read	Interpolation Type is No interpolation
58	Pose Slider bar number 58	Read	Interpolation Type is No interpolation
59	Pose Slider bar number 59	Read	Interpolation Type is No interpolation
60	Pose Slider bar number 60	Read	Interpolation Type is No interpolation
61	Pose Slider bar number 61	Read	Interpolation Type is No interpolation
62	Setting of joint free function CN1-1 to CN3-4	Read	Interpolation Type is Switching before transition (Fixed)
63	Setting of joint free function CN3-5 to CN5-6	Read	Interpolation Type is Switching before transition (Fixed)
64	User's variable	Read/Write	user definable
65	User's variable	Read/Write	user definable
66	User's variable	Read/Write	user definable
67	User's variable	Read/Write	user definable
68	User's variable	Read/Write	user definable

69	User's variable	Read/Write	user definable
70	User's variable	Read/Write	user definable
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74	User's variable	Read/Write	user definable
75	User's variable	Read/Write	user definable
76	User's variable	Read/Write	user definable
77	User's variable	Read/Write	user definable
78	User's variable	Read/Write	user definable
79	User's variable	Read/Write	user definable
80	User's variable	Read/Write	user definable
81	User's variable	Read/Write	user definable
82	User's variable	Read/Write	user definable
83	User's variable	Read/Write	user definable
84	User's variable	Read/Write	user definable
85	User's variable	Read/Write	user definable
86	User's variable	Read/Write	user definable
87	User's variable	Read/Write	user definable
88	User's variable	Read/Write	user definable
89	User's variable	Read/Write	user definable
90	User's variable	Read/Write	user definable
91	User's variable	Read/Write	user definable
92	User's variable	Read/Write	user definable
93	User's variable	Read/Write	user definable
94	User's variable	Read/Write	user definable
95	User's variable	Read/Write	user definable
96	User's variable	Read/Write	user definable
97	User's variable	Read/Write	user definable
98	User's variable	Read/Write	user definable
99	User's variable	Read/Write	user definable
100	User's variable	Read/Write	user definable
101	User's variable	Read/Write	user definable
102	User's variable	Read/Write	user definable
103	User's variable	Read/Write	user definable
104	User's variable	Read/Write	user definable
105	User's variable	Read/Write	user definable
106	User's variable	Read/Write	user definable
107	User's variable	Read/Write	user definable
108	User's variable	Read/Write	user definable
109	User's variable	Read/Write	user definable
110	User's variable	Read/Write	user definable
111	User's variable	Read/Write	user definable
112	User's variable	Read/Write	user definable
113	User's variable	Read/Write	user definable
114	User's variable	Read/Write	user definable
115	User's variable	Read/Write	user definable
116	User's variable	Read/Write	user definable
117	User's variable	Read/Write	user definable
118	User's variable	Read/Write	user definable
119	User's variable	Read/Write	user definable
120	User's variable	Read/Write	user definable
121	User's variable	Read/Write	user definable
122	User's variable	Read/Write	user definable
123	User's variable	Read/Write	user definable
124	User's variable	Read/Write	user definable
125	User's variable	Read/Write	user definable
126	User's variable	Read/Write	user definable
127	User's variable	Read/Write	user definable
128	VS-IX001(Gyro/acceleration board) status	Read	a variable for VS-RC003 IXPUS option board
129	VS-IX001(Gyro/acceleration board) acceleration sensor X-axis data	Read	a variable for VS-RC003 IXPUS option board
130	VS-IX001(Gyro/acceleration board) acceleration sensor Y-axis data	Read	a variable for VS-RC003 IXPUS option board

131	VS-IX001(Gyro/acceleration board) acceleration sensor Z-axis data	Read	a variable for VS-RC003 IXBUS option board
132	VS-IX001(Gyro/acceleration board) Gyro sensor X-axis data	Read	a variable for VS-RC003 IXBUS option board
133	VS-IX001(Gyro/acceleration board) Gyro sensor Y-axis data	Read	a variable for VS-RC003 IXBUS option board
134	VS-IX004(LED board) status	Read	a variable for VS-RC003 IXBUS option board
135	VS-IX007(digital I/O board) status	Read	a variable for VS-RC003 IXBUS option board
136	VS-IX007(digital I/O board) I/O 1-7ch Input data	Read	a variable for VS-RC003 IXBUS option board
137	VS-IX007(digital I/O board) I/O 8-15ch Input data	Read	a variable for VS-RC003 IXBUS option board
138	VS-IX008(analogue input board) status	Read	a variable for VS-RC003 IXBUS option board
139	VS-IX008(analogue input board) ch0 data	Read	a variable for VS-RC003 IXBUS option board
140	VS-IX008(analogue input board) ch1 data	Read	a variable for VS-RC003 IXBUS option board
141	VS-IX008(analogue input board) ch2 data	Read	a variable for VS-RC003 IXBUS option board
142	VS-IX008(analogue input board) ch3 data	Read	a variable for VS-RC003 IXBUS option board
143	VS-IX008(analogue input board) ch4 data	Read	a variable for VS-RC003 IXBUS option board
144	VS-IX008(analogue input board) ch5 data	Read	a variable for VS-RC003 IXBUS option board
145	VS-IX008(analogue input board) ch6 data	Read	a variable for VS-RC003 IXBUS option board
146	VS-IX008(analogue input board) ch7 data	Read	a variable for VS-RC003 IXBUS option board
147		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
148		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
149		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
150		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
151		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
152		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
153		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
154		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
155		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
156		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
157		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
158		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
159		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
160		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
161		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
162		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device
163		Read/Write	a variable for VS-RC003 IXBUS option board, In days ahead, It will be defined as a variable for other device

202	Override for servo motor(CN2-5)	Write	default value is x8000 = no operation
203	Override for servo motor(CN2-6)	Write	default value is x8000 = no operation
204	Override for servo motor(CN3-1)	Write	default value is x8000 = no operation
205	Override for servo motor(CN3-2)	Write	default value is x8000 = no operation
206	Override for servo motor(CN3-3)	Write	default value is x8000 = no operation
207	Override for servo motor(CN3-4)	Write	default value is x8000 = no operation
208	Override for servo motor(CN3-5)	Write	default value is x8000 = no operation
209	Override for servo motor(CN3-6)	Write	default value is x8000 = no operation
210	Override for servo motor(CN4-1)	Write	default value is x8000 = no operation
211	Override for servo motor(CN4-2)	Write	default value is x8000 = no operation
212	Override for servo motor(CN4-3)	Write	default value is x8000 = no operation
213	Override for servo motor(CN4-4)	Write	default value is x8000 = no operation
214	Override for servo motor(CN4-5)	Write	default value is x8000 = no operation
215	Override for servo motor(CN4-6)	Write	default value is x8000 = no operation
216	Override for servo motor(CN5-1)	Write	default value is x8000 = no operation
217	Override for servo motor(CN5-2)	Write	default value is x8000 = no operation
218	Override for servo motor(CN5-3)	Write	default value is x8000 = no operation
219	Override for servo motor(CN5-4)	Write	default value is x8000 = no operation
220	Override for servo motor(CN5-5)	Write	default value is x8000 = no operation
221	Override for servo motor(CN5-6)	Write	default value is x8000 = no operation
222	reserved	Read/Write	
223	reserved	Read/Write	
224	reserved	Read/Write	
225	reserved	Read/Write	
226	reserved	Read/Write	
227	reserved	Read/Write	
228	reserved	Read/Write	
229	reserved	Read/Write	
230	reserved	Read/Write	
231	reserved	Read/Write	
232	reserved	Read/Write	
233	reserved	Read/Write	
234	reserved	Read/Write	
235	reserved	Read/Write	
236	reserved	Read/Write	
237	reserved	Read/Write	
238	DIP switch	Read	0-9
239	Battery voltage	Read	4.0V=4000
240	controller type	Read	not connect=0, gamepad=1, Probo=2, RRC-T11=3
241	controller button input 1	Read	
242	controller button input 2	Read	
243	gamepad vibration	Write	
244	gamepad analogue right stick lateral direction	Read	from -127 to +128
245	gamepad analogue right stick vertical direction	Read	from -127 to +128
246	gamepad analogue left stick lateral direction	Read	from -127 to +128
247	gamepad analogue left stick vertical direction	Read	from -127 to +128
248	gamepad: SELECT+tri,sq,cir,cross Probo: SW1 input status	Read	controller map number
249	Probo: SW2 input status	Read	
250	gamepad: analogue stick operation ON/OFF	Read	
251	gamepad: SELECT+START input status Probo: SW4 input status	Read	servo motor ON/OFF OFF=0, ON=1
252	servo motor enable timer	Write	
253	reserved	Read/Write	
254	reserved	Read/Write	
255	reserved	Read/Write	