

## Specifications and simple comparison(7.4V)

	Traditional R/C servo		Bus robot servo	
Model	Futaba S9204	MG995	AX12+	UP-TECH CDS5500
Length/width/ height /mm	40.5× 20× 35.5	40.8× 20× 38	50× 32× 38	40× 20.5× 42
Weight /g	50	56	<b>55</b>	<b>61</b>
Power supply /VDC	4.8~6	4.8~7.4	7~10	6.5~8.4
Gearbox	<b>Hybrid gear</b>	<b>alloy gear</b>	<b>Resin gear</b>	<b>alloy gear</b>
Output shaft	alloy spline	alloy spline	<b>Resin spline</b>	<b>Alloy spline with O-ring</b>
Output bearing	<b>Ball bearing</b>	<b>Ball bearing</b>	<b>Sliding bearing</b>	<b>2 ball bearing</b>
Slewing range / servo mode	<b>180 °</b>	185 °	<b>300 °</b>	<b>300 °</b>
Max holding torque /kgf.cm	14(7.4V)	<b>13</b>	13	<b>&gt;14</b>
Max rotate velocity/ sec/60 °	<b>0.15</b>	0.2	0.2	0.18
angular resolution	<b>0.35 °</b>	<b>0.74 °</b>	0.35 °	<b>0.35 °</b>
Continuous complete rotate	×	×	•	•
Double-ended output shaft	×	•	•	•
Compatible with R/C servo PPM signal	•	•	×	•
Serial bus port	×	×	•	•
Current/voltage feedback	×	×	•	•
Position/torque feedback	×	×	•	•
Temperature feedback	×	×	•	•
Communication Protocol	×	×	<b>Dynamixel</b>	<b>Dynamixel +PPM</b>
Max number of servo on bus	×	×	<b>(Theoretical) up to 254</b>	<b>(Theoretical) up to 254</b>
Output cable length /cm	30	30	15 or 30cm separately	16 or 35cm separately