

Binocular Stars

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Winter’s Bright Stars (Data from Stellarium 25.3)

Name	Mag	Spec	Constellation	Comment
Rigel	0.13	B8	Orion	Winter Hexagon
Sirius	-1.46	A0	Canis Major	Winter Hexagon
Castor	1.51	A2	Gemini	Winter Hexagon
Procyon	0.37	F5	Canis Minor	Winter Hexagon
Capella	0.08	G3	Auriga	Winter Hexagon
Pollux	1.14	K0	Gemini	Winter Hexagon
Aldebaran	0.86	K5	Taurus	Winter Hexagon
Betelgeuse	0.42	M1	Orion	Winter Hexagon
Vega	0.03	A0	Lyra	Summer Triangle
Deneb	1.25	A2	Cygnus	Summer Triangle
Altair	0.76	A7	Aquila	Summer Triangle
Mintaka	2.41	O9.5	Orion	Orion’s Belt
Alnitak	1.77	O9.7	Orion	Orion’s Belt
Alnilam	1.69	B0	Orion	Orion’s Belt
Bellatrix	1.64	B2	Orion	
Polaris	2.02	F8	Ursa Minor	North Star

Winter's Variable Stars (Data from Crossen and Tirion)

Name	Const	Mags	Period	Type	Comment
Beta	Perseus	2.1 – 3.4	2.867 days	Eclipsing	Algol
Omicron	Cetus	2.5 – 9.5	333 days	Long-period	Mira
Delta	Cepheus	3.6 – 4.3	5.37 days	Cepheid	
Eta	Aquila	3.7 – 4.5	7.2 days	Cepheid	
Epsilon	Auriga	3.0 – 3.8	27.06 yrs	Uncertain	
Chi	Cygnus	3.5 – 14.2	407 days	Long-period	
Beta	Lyra	3.4 – 4.3	12.91 days	Eclipsing	
RR	Lyra	7.1 – 8.0	0.57 days	Cluster	

Winter's Double Stars (Data from AstrroLeague Binocular Double Star List)

Name	Const	Mags	Sep (")	Comment
Kappa + 6	Draco	3.9, 5.0	926	
65 + 64	Gemini	5.0, 5.1	818	
Zeta + 80	Ursa Major	2.2, 4.0	716	
Sigma1	Taurus	4.7, 5.1	439	
Omicron1	Cygnus	3.9, 7.0, 4.8	109, 337	
Phi	Cassiopeia	5.1, 7.0	133	
Theta	Orion	5.0, 6.6	75	
Beta	Cygnus	3.2, 4.7	35	Albireo, Very colorful double
14	Aries	4.0, 8.0, 8.0	93, 106	
11	Camelopardalis	5.2, 6.2	178	
Eta	Canis Major	2.5, 6.8	177	
Alpha	Capricornus	3.7, 4.3	381	
Beta	Capricornus	3.2, 6.1	205	
Rho	Capricornus	5.0, 6.7	259	
Delta	Cepheus	4.2, 6.1	41	
61	Cygnus	5.4, 6.1	32	
Kappa + 6	Draco	3.9, 5.0	926	
Nu	Draco	4.9, 4.9	62	
Psi	Draco	4.6, 5.6, 5.6	30, 370	
16 + 17	Draco	5.4, 5.5	90	
Gamma + 6	Equuleus	4.7, 6.1	335	
Nu	Gemini	4.1, 8.0	113	
Gamma	Lepus	3.6, 6.3	96	
Delta	Lyra	4.3, 5.6	617	
Epsilon	Lyra	5.2, 5.2	208	
Zeta	Lyra	4.3, 5.6	44	
Delta	Orion	2.4, 6.8	56	
Upsilon	Puppis	6.6, 6.5	128	
Psi-one	Pisces	5.3, 5.5	30	
Theta	Taurus	3.4, 3.9	337	
15	Triangulum	5.6, 6.8	142	
