



Feature Comparisons of Portable Digital Planetarium Systems: Full Dome, Fisheye Lens Systems Only

- Compiled by Digitalis Education Solutions, Inc. Please independently verify information with vendors and inform us if you find any errors.
- We have limited our comparison to fisheye lens systems with full dome coverage. Visit our FAQ page (DigitalisEducation.com/faq.html) for details about how any fisheye lens system easily outperforms a spherical mirror system.
- While we believe these feature comparisons provide helpful information, nothing compares to seeing the systems in action before making a decision.

Seller	Digitalis	Digitalis	Digitalis	Digitalis	Science First	E-Planetarium
Model	Digitalarium [®] Delta 4	Digitalarium [®] Iota – <i>World's Smallest!</i>	Digitalarium [®] Epsilon 2	Digitalarium [®] Kappa 2	Digital Starlab [®] 4	Elumenati DD-1920F Omnifocus
Website	http://DigitalisEducation.com				http://www.starlab.com	http://www.e-planetarium.com
Dimensions/weight (system in transit case)	27 x 24 x 16 in. (68 x 60 x 40 cm); 67.5 lbs (31 kg)	23 x 18.0 x 11.6 in (58 x 46 x 29.3 cm); 46 lbs (21 kg) w/tripod	19 x 21 x 31 inches (47.5 x 52.5 x 77.5 cm); 82.5 lbs (37.5 kg)	19 x 21 x 31 inches (47.5 x 52.5 x 77.5 cm); 82.5 lbs (37.5 kg)	Unknown	Unknown
User interface	Backlit, handheld remote control, wireless game pad, or Universal Console™ web-based interface (for desktop computer or touch screen tablet devices)				Laptop (Mac or Windows)	Laptop (Mac or Windows)
Resolution	1080 pixel diameter circle	1166 pixel diameter circle	1200 pixel diameter circle or truncated 1344 x 1200	1600 pixel diameter circle	1200 pixel diameter circle	1200 pixel diameter circle or truncated 1920 x 1200
Projection type	DLP				DLP	LCOS
Base projector brightness (with non- fisheye lens)	4500 lumens	3000 lumens	5000 lumens	5000 lumens	5000 lumens	5000 lumens
Contrast ratio	6000:1 nominal	2500:1 nominal	5300:1 nominal	5300:1 nominal	2000:1 nominal	1000:1 nominal
Projector designed for vertical use	N/A – projector mounted horizontally with right angle lens	N/A – projector mounted horizontally with right angle lens	Yes, Barco F50, WUXGA	Yes, Barco F50, WQXGA	Optoma user manual says no.	Unknown
Planetarium software	Nightshade NG Basic ¹	Nightshade NG Basic or Pro ^{1,2}	Nightshade NG Pro ¹	Nightshade NG Pro ¹	Starry Night Small Dome	Stellarium
Seller develops system planetarium software	Yes				No	No

Seller	Digitalis				Science First	E-Planetarium
Model	Digitarium® Delta 4	Digitarium® Iota	Digitarium® Epsilon 2	Digitarium® Kappa 2	Digital Starlab®	Elumenati DD-1920F Omnicore
Multimedia player with dynamic placement and distortion correction	Yes				Unknown	No
Scriptable planetarium features	Yes, including audio, video, and image manipulation				No	Maybe (depends on Stellarium version)
Easily switch between planetarium software and multimedia viewer	Yes				Unknown	No—must quit Stellarium to view media
Seller maintains/updates all system software (OS, planetarium, multimedia)	Yes. Automated software updates free for life of system.				No	No
Free technical support for life of system	Yes				Yes	No
Lease to own program	Yes				Unknown	No
Grant writing assistance	Yes				Yes	No
Warranty period	Three years. Full text at: http://DigitalisEducation.com/terms_and_conditions.html				See their website	See their website
Return policy	30 day return period. Full refund less shipping charges and small restocking or exchange fee.				Returns allowed only if company makes an error	No published policy
Base price of full system (US price in USD)	\$15,970	\$25,930 ²	\$44,025 ³	\$60,825 ³	Starts at \$24,995	\$29,205 ⁵
Base price of full system & 5m inflatable dome (US price in USD)	\$22,570	\$32,530 ²	\$50,625	\$67,425	Packages from \$30,490	\$40,875 ⁵
Notes	<p>1: Nightshade NG for dome use is exclusive to Digitarium systems. Learn more at: http://digitaliseducation.com/products-nightshade.html</p> <p>2: Iota available in Professional or Basic versions. Details on our website.</p> <p>3: We also sell systems for fixed domes. Details on our website.</p> <p>Digitarium systems are the best-selling digital systems worldwide. The Digitarium Epsilon's 155 degree and the Kappa's 167 degree angle of projection make them ideal for fixed domes (do not block sight lines). Our other systems offer a 175 degree angle of projection. All project a full, 180 degree (all sky) field of view. See the full model line up at: DigitalisEducation.com.</p>				<p>4: They also have a higher resolution version but have not published enough details to include it here.</p> <p>More detailed comparison: http://digitaliseducation.com/faq.html#dstarlab</p>	<p>5: See their website for what the prices include.</p>