



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				Science First	E-Planetarium
Model	Digitalium® Delta	Digitalium® Zeta	Digitalium® Epsilon	Digitalium® Kappa	Digital Starlab®	Elumenati ZOOM SX3
Website	http://DigitalisEducation.com				http://www.starlab.com	http://www.e-planetarium.com
Estimated set up time (w/out dome)	Two minutes				Unknown	Unknown
Dimensions/weight (system in transit case)	26 x 21.5 x 22.5 in (66 x 54.6 x 57 cm); 88 lbs (40 kg)	31 x 21 x 19 in (47.5 x 52.5 x 77.5 cm); 94 lbs (42.7 kg)	39 x 25 x 22 inches (99 x 64 x 56 cm); 120 lbs (54.5 kg)	39 x 25 x 22 inches (99 x 64 x 56 cm); 120 lbs (54.5 kg)	39 x 30 x 20 inches (99 x 76 x 51 cm); 131 lbs (59.3 kg)	Unknown
User interface	Backlit, handheld remote control 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	1200 pixel diameter circle	1200 pixel diameter circle or truncated 1344 x 1200	1600 pixel diameter circle	1200 pixel diameter circle	1050 pixel diameter circle or truncated 1400 x 1050
Projection type	DLP				DLP	LCOS
Base projector brightness (with non-fisheye lens)	4000 lumens	4000 lumens	7500 lumens	7500 lumens	5000 lumens	4000 lumens
Contrast ratio	50,000:1 nominal	2000:1 nominal	7500:1 nominal	8000:1 nominal	2200:1 nominal	Unknown
Planetarium software	Nightshade™ *, open source				Starry Night Small Dome, proprietary	Stellarium, open source
Seller develops system planetarium software	Yes				No	No
No. of stars in database	11,500,000 +				16,000,000	100,000 +
Scriptable planetarium features	Yes, including audio, video, and image manipulation				No	Maybe (depends on Stellarium version)

Seller	Digitalis				Science First	E-Planetarium
Model	Digitarium® Delta	Digitarium® Zeta	Digitarium® Epsilon	Digitarium® Kappa	Digital Starlab®	Elumenati ZOOM SX3
Integrated multimedia viewer w/ dynamic placement and distortion correction	Yes				Unknown	No
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	Unknown
Lease to own program	Yes				Unknown	No
Grant writing assistance offered	Yes				Yes	No
Warranty period	Three years				Conflicting information on website	See their website
Return policy	Full refund (less shipping charges) if returned within 30 days of purchase				Returns allowed only if company makes an error	No published policy
Cost of full system (US price in USD)	\$21,500 portable; \$25,000 fixed **	\$30,150 portable; \$31,770 fixed **	\$47,330 portable; \$48,950 fixed **	\$68,830 portable; \$70,450 fixed **	\$44,995	Unknown
Cost of full portable system and 5m inflatable dome (US price in USD)	\$29,450	\$38,100	\$55,280	\$76,780	\$49,995	\$49,235 *
Notes	<p>* Nightshade is a fork of the award-winning software Stellarium. It focuses on planetarium users and fixes many bugs in Stellarium. Nightshade is a community-supported project spearheaded by Digitalis. Learn more at: www.NightshadeSoftware.org</p> <p>** All fixed dome Digitarium systems include the Universal Console interface software. This is available as an optional add-on for portable systems.</p> <p>Digitarium systems are the best-selling digital systems worldwide. The Epsilon's 155 degree and the Kappa's 165 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.</p>				<p>Each square pixel is blurred into more of a circular shape.</p> <p>More detailed comparison: http://digitaliseducation.com/faq.html#dstarlab</p>	<p>* See their website for what the price includes.</p>