

# Discover the Difference!

More Choices, Better Value!



System	Discovery Dome® mirror systems			Discovery Dome® fisheyes		Digitarium®	Digitarium®	Starlab®	Digitar®
Model	DD-1920N	DD-1400N	DD-1400M	DD-1400F	DD-1024F	Alpha 2	Gamma	Digital Starlab	D3 -SP2
Optical Technology	Newtonian-1	Newtonian-1	Newtonian-1	fisheye	fisheye	fisheye	fisheye	fisheye	dual fisheye
Optical Provider	by Avela	by Avela	by Avela	Elumenati	Elumenati	Digitalis	Digitalis	Learning Technologies	E&S
Pixels	<b>1920 x 1080</b>	1400x1050	1400x1050	1400x1050	1024x768	768x768	1050x1050	1080x1080	1400x1400
Format	warped	warped	warped	truncated or full ¶	truncated	768 circle	1050 circle	1080 circle	1400circl(2 proj)
Dome Coverage	~97% §	~90% §	~90% §	75-100% zoom¶§	75% §	100%	100%	100%	100%
Pixels <b>actually used</b>	<b>1.6 MP</b>	<b>1.3 MP</b>	<b>1.3 MP</b>	1.15 MP	.618 MP	0.462MP	0.87 MP	0.92 MP	<b>1.5 MP</b>
COST*(proj system)	\$15,390	\$14,390	\$17,985	\$35,310	\$20,610	\$19,750	\$41,100	\$48,500	?
<b>COST PER PIXEL ACTUALLY PROJECTED</b>	<b>&lt;1 ¢</b>	<b>1.2 ¢</b>	<b>1.5 ¢</b>	<b>3.1 ¢</b>	<b>3.3 ¢</b>	<b>4.3 ¢</b>	<b>4.7 ¢</b>	<b>5.3 ¢</b>	<b>?</b>
Sky Software	Stellarium	Stellarium	Stellarium	Stellarium	Stellarium	Stellarium	Stellarium	Starry Night	Proprietary
Optional software	The Sky**	The Sky**	The Sky**	The Sky**	The Sky**				
Galaxy software	Celestia	Celestia	Celestia	Uniview**	Uniview**				
Solar System	Seeker**	Seeker**	Solar System	Seeker**	Seeker**				
Projection software	MediaSHOW	MediaSHOW	Mirrodome	MediaSHOW	MediaSHOW	proprietary	proprietary	proprietary	proprietary
Movie controls	full control	full control	play/stop	full control	full control	full control¥	full control¥	?	?
Movies played	prewarped 1920x1080	prewarped 1400x1050	fisheye 1400	fisheye 1400t	fisheye 1024t	fisheye 768¥	fisheye 1050¥	fisheye 1080	fisheye 1400
Fisheye still images	zoom/pan	zoom/pan	zoom/rotate	zoom/rotate	zoom/rotate	zoom/pan	zoom/pan	?	?
Computer	PC or Mac***	PC or Mac***	MacbookPro 17	PC or Mac***	PC or Mac***	PC (Linux)	PC (Linux)	Mac	sealed in box
Notes	<b>Only true HIDEF SYSTEM to use all 1920 pixels!</b>		will play any fisheye content or program	¶ Also zooms to full circle 1050 (100% coverage)	will play any fisheye content or program	¥ has remote control; movies must be on external media in order to play			requires two projectors
Distributed by	e-Planetarium	e-Planetarium	e-Planetarium also cosmodome	e-Planetarium	e-Planetarium	Digitalis		Learning Technologies	Evans&Sutherland
Projector X	1920	1400	1400	1400	1024	1024	1400	1920	1400
Projector Y	1080	1050	1050	1050	768	768	1050	1080	1400
Projector fraction used	76%	84%	84%	79%	79%	59%	59%	44%	79%
Pixels projected	1,575,936	1,234,800	1,234,800	1,153,950	617,349	462,422	865,901	916,116	1,538,600
Cost*(proj system)	\$15,390	\$14,390	\$17,985	\$35,310	\$20,610	\$19,750	\$41,100	\$48,500	?
<b>COST PER PIXEL</b>	<b>\$0.0098</b>	<b>\$0.012</b>	<b>\$0.015</b>	<b>\$0.031</b>	<b>\$0.033</b>	<b>\$0.043</b>	<b>\$0.047</b>	<b>\$0.053</b>	<b>?</b>
Rank (1-best value)	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>?</b>

\* COST (projection system) = Cost of projector, stand, sound, plus computer (if separate) and software (if separate)

\*\* extra cost item

\*\*\* At present MacG4's only but all intel Macs starting spring 2008

**§ About 100% dome coverage:**

Any 100% dome coverage system must project the view above the heads of all participants, much as in a traditional planetarium. The horizon must be high. We offer special tube domes with higher horizons.

Projection systems with shadow zones in the rear, such as truncated fisheyes and mirror systems, allow a more immersive experience for video, since the horizon can be lowered.

This allows adults or handicapped to be seated in chairs in the back while projecting over the heads of children seated on the floor. In addition, the doorway, since shaded, can remain open for late entrants.

Our mirror systems allow adjustable shadow zones to either maximize dome coverage or to increase the shadow zones for comfort. See our website for details.

Chart © MTPE Inc; subject to change without notice.

(the only additional would be dome, cart, blower, installation and shows) inhouse installation, training and extended support available at modest cost

To order any of the top 5 systems  
email: [contact@e-planetarium.com](mailto:contact@e-planetarium.com)  
Data as of 2/13/08



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