

# MMI Inflatable Planetarium Domes

- \* Available in sizes from 4 meters (15 feet) to 8 meters (26.3 feet) diameter. Custom configurations are available
- \* **FREE:** Nylon storage bag and wheeled travel case (similar to airline luggage), making storage and travel easy and safe.
- \* Optional complimentary logo art imprinted on your dome.
- \* Designed for digital or non-digital projection
- \* Includes illustrated user's guide
- \* Dome fabric is certified fire retardant by the NFPA 701:2010.
- \* Walk in 2 meter (6 foot) high entrance with heavy duty zipper together with full length Velcro closure
- \* Provides the perfect solution where a permanent planetarium dome is not possible due to space or budget limitations.
- \* For school systems or organizations who desire a planetarium which can serve a number of locations, thus greatly minimizing equipment cost.

MMI domes are manufactured from our carefully selected and tested blackout fabric which assures zero outside light penetration. This six layer polyester-cotton fabric is specially formulated to yield the best possible night sky image on the dome. The inside flocked projection surface is specially created to eliminate spurious reflections, glare and wrinkles on the dome. For digital projection, we furnish a light grey projection surface while, for non-digital projection, a flat white surface is available, both ideal for their respective usages.

The special inside flocked fabric surface is also sound absorbent, and minimizes sound reflection inside the dome

A floor based 18 inch diameter 3 speed electric fan is used for dome inflation. The fan is infinitely adjustable from inside the dome with a rheostat controller, so that the operator does not have to depend on an outside person to adjust the speed of the blower fan.

The illustrated User's Guide enables the user to be up and running quickly and easily!

Users have told us they appreciate the enhanced visibility they experience while entering the dome due to width of the entryway. In some domes with other entrance designs, such as ones with airlock type entrance, it is not easy for entering people to see where they are going, for various design reasons. This is a great advantage, especially in the case of young students, who may feel uneasy when entering a dark, unfamiliar airlock-type entrance,. Teachers like the easy ingress and egress offered by MMI domes.

With MMI domes you will always have fresh air circulating inside the dome with no need to remember what flap is open or closed, if the airflow is going upward or toward the audience, if the doorway is closed with Velcro strap, etc. Our domes have no flaps or straps to open or close. Instead they have a simple design that keeps all things working fine, allowing you to concentrate on your presentation and to run your planetarium show inside. The only thing to be "operated" in our domes is the entrance zipper: Open to enter people and close to start the show. Just easy as that.



Dome with cover



Dome without cover



## Specific Features:

- Domes are a perfect hemisphere for projecting a realistic image of the night sky. The projection surface is completely smooth and free of any obstruction. Seams are bonded with adhesives, thus eliminating wrinkles caused by stitching used in many other domes. The fabric resists wrinkles and fraying, even after continued use and folding.
- Exclusive dome fabric meets NFPA 701:2010 flame retardance standard.
- Dome can be erected or taken down and packed in just a few minutes.
- Entrance features: All domes feature a two meters (six foot) high doorway for entry and exit. Wheelchair access is easy. Special air vents keep the dome inflated for quite a long time, even if fan is turned off. The doorway, closing with both Velcro and heavy duty zipper, is both lightproof and airtight.

- Note that, by design, there is no floor to the dome. For quick egress, dome may be easily lifted on one side and quickly collapsed, and the audience can simply walk out. There is never any danger.
- *Exclusive MMI domes feature:* An included special extra cloth dome cover completely eliminates the possibility of pinholes developing after extended usage. You will never see a pinhole in our domes! Cover is available in a choice of colors so that your dome will be sure to attract student interest. Inquire for details.
- Specially designed fan air tunnel with two right angle bends keeps light out and insures a perfectly dark interior when in use.
- Three year limited warranty. This is our 40th year supplying astronomy educational equipment and materials and our 12th year of expertise manufacturing planetarium domes. Hundreds of satisfied customers are using them all around the world.



Your new dome can be delivered with the logo and name of your school or organization stamped on the body or air tunnel as shown here.

For easy portability, the dome and its cover are rolled up, secured with straps, and placed in the nylon bag. The bag then fits neatly in the carrying case, ready to go. All components shown here are included at no extra cost.



## Specifications

See the table below for dome specifications. Larger dome sizes are available on request. We offer custom sizes and configurations to meet special needs, such as shorter heights to accommodate short ceilings or taller domes for chair type seating.

| DOME DIAMETER<br>meters / feet | HEIGHT AT ZENITH        | ESTIMATED SEATING CAPACITY |                | APPROX DOME WEIGHT |
|--------------------------------|-------------------------|----------------------------|----------------|--------------------|
|                                |                         | Adults                     | Young Children |                    |
| 4 meters (~13 feet)            | 2.7 meters (~9 feet)    | 15                         | 20             | 21 kg (45 pounds)  |
| 5 meters (~16 feet)            | 3.2 meters (~10.5 feet) | 25                         | 40             | 28 kg (62 pounds)  |
| 6 meters (~19.5 feet)          | 3.7 meters (~12 feet)   | 45                         | 60             | 36 kg (78 pounds)  |
| 7 meters (~23 feet)            | 4.2 meters (~13.5 feet) | 60                         | 80             | 47 kg (104 pounds) |
| 8 meters (~26 feet)            | 4.9 meters (~16 feet)   | 80                         | 100            | 60 kg (133 pounds) |

Prices are available upon request.

Domes include fan blower, dome cover, wheeled dome travel case and User's Manual.

Domes do not include a projection system. Our domes are designed and manufactured to be used with any of the digital projection system currently available on the market. Either a video projector with a fish eye lens placed in the center of the dome or a video projector projecting onto a convex mirror placed on one side of the dome.

Domes with same specs also available with white inside surface for non-digital projection at same prices.

Ask for our recent customer testimonials list which gives you the opportunity to contact current users and to review their comments about MMI domes.

Please feel free to contact us if you need any further information.



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