

Compact training and simulation dome display



The Barco SEER mini-dome is a **complete visualization system** developed for a wide variety of immersive training applications. It is a **compact and flexible** solution designed to maximize training space. The SEER mini-dome system provides constant eye relief over the entire 240°/270° spherical surface and optimizes out-of-window scenes, enabling users to **experience full-immersive training** at a level not previously possible. Barco engineered this system to accommodate **from four up to nine visual channels**, depending on the application, budget, and visual requirements.

Typical applications:

- Distributed Mission Operations
- Threat station
- Player station
- Air-to-air/air-to-ground combat
- Fast jet, vehicle, or boat
- Pilot-in-the-loop
- e-Dome replacement
- Forward observer
- Single driver
- Helmet mount display replacement
- Research

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Key benefits:

- Small footprint and low height profile
- Configurable to meet unique facility and budget needs
- Several mini-domes can be linked together for networked training
- Optimized projection technology for matching color, brightness, grayscale, and other visual parameters
- Uniform resolution across all channels of the dome
- Operates as a discrete system with a single, scalable interface
- Uniform pixel size from front to top channels
- High-resolution growth path with light-valve technology

Product specifications

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Horizontal field-of-view (HFOV)	<ul style="list-style-type: none">• 5-channel system: +110°/-110°• 6-channel system: +100°/-100°• 7-channel system: +110°/-110°• 9-channel system: +120°/-120°
Vertical field-of-view (VFOV)	<ul style="list-style-type: none">• 5-channel system: +90°/-50°• 6-channel system: +70°/-30°• 7-channel system: +90°/-42°• 9-channel system: +120°/-35°
Brightness	<ul style="list-style-type: none">• 5-channel system: ≥ 6 Ft Lamberts• 6-channel system: ≥ 6 Ft Lamberts• 7-channel system: ≥ 7 Ft Lamberts• 9-channel system: ≥ 6 Ft Lamberts
Resolution	<ul style="list-style-type: none">• 5-channel system: 7-9 arcmin/OLP• 6-channel system: 5-6 arcmin/OLP• 7-channel system: 5-7 arcmin/OLP• 9-channel system: 5-6 arcmin/OLP
Contrast	<ul style="list-style-type: none">• 5-channel system: $\geq 8:1$• 6-channel system: $\geq 10:1$• 7-channel system: $\geq 9:1$• 9-channel system: $\geq 8:1$