

BAADER DOMES

50 years of experience



Germany



Jungfrauoch, Swiss
2.6 m Dome



NyAlesund, Svalbard
3.2 m Dome



Wendelstein, Germany
8.5 m Dome



SALT, South Africa
3.5 m AllSky Dome



Wendelstein, Germany.
Helicopter Installation
of 8.5 m Classic Dome



Kent, UK - 3.5 m AllSky Dome



Sharjah, UAE - 4.5 m AllSky Dome



Assembly area - 2.3/3.5/4.5 m AllSky Dome



Rendering of 6.5 m AllSky Dome

Baader AllSky Domes

180° full sky view, maximum interior space, automated operation with remote control, auto-close with cloud and rain sensors. Full conformity with EU-fire-safety regulations with permanently accessible entrance door. Individual segment movement for optimized wind and light protection. ASCOM compatible.

Various climatic versions - made even for antarctic climate conditions down to -80°C, sized 2.3, 3.5, 4.5 and 6.5 meter in diameter.



Dome C
Antarctica
-84°C coldest
place on earth
4.5 m AllSky
Dome

PlaneWave Astrographs and Direct-Drive mounts ex stock:
CDK 12,5" f/8, CDK 14" f/7.2
CDK 17" f/6.8, CDK 20" f/6.8,
CDK 24" f/6.8, CDK 700 f/6.5,
CDK 1000 f/6, L-350 (45kg), L-500 (90 kg), L-600 (136kg)



10 Micron mounts ex stock:
GM 1000 HPS, GM 2000 HPS II,
GM 3000 HPS, GM 4000 HPS II,
AZ 5000 DDS, AZ 8000 DDS



PlaneWave CDK 24 Astrograph with 10Micron AZ 5000 DDS robotic mount



Turnkey Observatories

Our company specializes in erecting turnkey observatories utilizing mainly PLANEWAVE astrographic and infrared telescopes with professional CCD-Camera equipment. 10Micron and PlaneWave equatorial and AltAz-telescope mounts are available up to 700 kg loading capacity.

We produce a wide variety of eyepieces, astronomical filters, educational selfguided slit-spectrographs as well as professional Echelle-spectrographs up to 20.000 (λ/Δλ) resolution. SiC-mirrors are under development for large, ultra-lightweight optical assys.

PlaneWave L-500 Direct Drive Mount
with CDK 17" and Celestron RASA
Astrograph f/2.2



Hamburg Univ. - 4.5 m AllSky + CDK 700



Rocket test ground 5.5m high speed Dome



Wetzell, Germany - 6 m SLR-Dome



GFZ Potsdam, Germany - 5.5 m SLR-Dome

Contact us



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Follow us on

www.youtube.com/baaderplanetarium



Baader Domes

Baader Planetarium GmbH near Munich specializes in the production of professional quality, hermetically sealed, thermally insulated fiberglass domes for more than 45 years.

Three product lines of fiberglass reinforced polyester (FRP) domes are in production:

- Classic Observatory Domes with slit
- AllSky Domes with 180° full view
- Planetarium Projection Domes – for indoor use

Domes for harsh environments are our speciality.

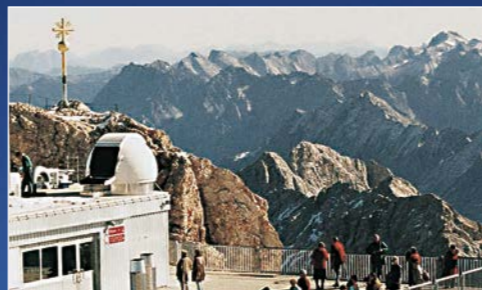
Our remote controlled domes are to be found in Middle East desert areas, at German military sites, in Arctic regions and on mountain top locations sporting up to 300 km wind-speed – as well as at Dome C in Antarctica, the coldest place on earth.

Customers range from Carl Zeiss to a wide variety of German and European science institutes, universities and high schools – more than 500 domes are in use.

Baader Classic Domes

Observatory domes with broad up- and over-shutter and remote control, sized from 2 to 10 meter in diameter. Telescope controlled high speed endless rotation and horizontal flap movement, optional absolute encoders, fully ASCOM compatible.

Optional: flat-screen, integrated cloud and rain sensors and specialized Li-FePo4 UPS-power supplies to ensure ultra-reliable long term emergency dome closure.



Zugspitze, Germany – 2.6 m Classic Dome



Wendelstein, Germany – mounting of 8.5 m Dome



Khazan, Russia – installation of 4.5 m turnkey AllSky Dome

Wendelstein, Germany
8.5 m Classic Dome

