

ASI-16 Basic All Sky Imager

Technical Specifications

5MP fish eye camera

Real time images

Optional Find Clouds software for cloud analysis

Optional Cloud base height software

The ASI-16 Basic All Sky Imager is an automatic full sky camera system with a 180° field of view. It provides high-resolution images, both as pre-scheduled network stored JPGs and as a video live stream. The ASI-16 can take clear full hemispheric pictures of the sky, even under full sunlight conditions.

The 5MP camera developed by Schreder CMS is provided by EKO world-wide.

With the optional Find Clouds software, cloud coverage and cloud classification can be analyzed for photovoltaic evaluation applications. Cloud base height can be measured with two ASI-16 cameras and the optional Cloud Base Height (CBH) software. The CBH software allows for the evaluation of cloud height in real time. A stereoscopic method is applied to process time synchronized images of two sky imagers and the local data (latitude, longitude, and elevation).

The Basic model of the ASI-16 does not include an integrated ventilator and heater system.

	ASI-16 Basic
Camera	5MP CMOS
Operating	Daytime
Field of View FOV	180 °
Images	HDR JPG
Operating temperature range	-25 - 50 °C
Power supply	PoE 48V
Cable length	15 m
Power consumption	6 W
Dimensions mm	ø200 x 210

Options	ASI-16 Basic
Find Clouds software	Cloud classification & Analysis
Cloud Base Height software	Cloud base height (2 x ASI-16 required)

Specifications are subject to change without further notice.