

Total Sky Camera + Cloud Detection Software

Clear full hemispheric pictures of the sky even under direct sun light conditions. Including analysis and control software.



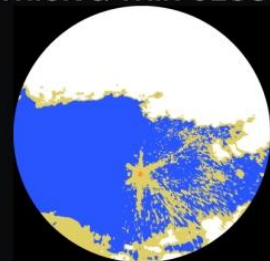
CMS Corporation is pleased to announce the release of the newest version of the Total Sky Camera - a fully automatic imaging system capturing pictures of the total, hemispheric sky, which represents the next generation for atmospheric science and solar energy professionals doing site evaluation, monitoring and forecasting.

- 4 megapixel
- digital colour camera
- $2\pi / 180^\circ$ field of view
- high-quality lens system
- glass dome protected
- weather proof
- low power (3W)
- HDR image
- internal memory
- automated exposure
- standalone operation
- full sun without shading
- integrated levelling feeds
- standard Ethernet interface
- cloud detection algorithm
- optically thin & thick cloud
- classifying clear sky
- horizon by drag and drop
- total hemispheric cloud cover
- cloud cover of free horizon
- direct sun detection
- ASCII data stored

RAW SKY IMAGE



THICK & THIN CLOUD



cloud observation
weather observation
solar power forecasting
grid power management
evaluation of PV performance
online evaluation on automatic mode

