


CC360


Cloud Camera

Cloud Camera 360 is a 360° fisheye camera mounted together with pan / tilt head controller. It can be utilized in wide range of environments, where detailed meteorological monitoring is required, as it provides real-time overview of the current cloud and soil conditions.







Full HD resolution



Operating temperature
-40 °C to +50 °C



Real-time display of
daytime sky conditions



IP 66-rated for water
and dust resistance

Cloud condition and soil state

Thanks to the 360° range of view and moving head controller, it is able to provide real-time data processing and analysis of current cloud conditions, as well as current soil conditions. These elements are needed in wide range of meteorological applications: synoptical observations, aviation meteorology, agrometeorology and others.

Fisheye camera

The output from 360° fisheye camera are 1080 full HD images

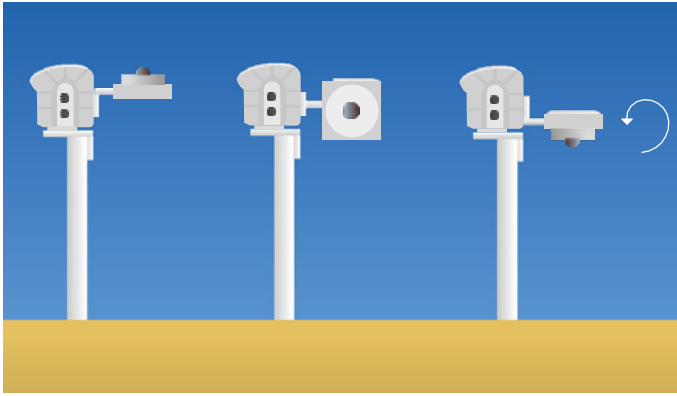
in jpeg format, that can be accessed immediately via internet. The camera is suitable for wide range of weather conditions, as it has operating temperature range from -40 °C to +50 °C.

Pan / Tilt head controller

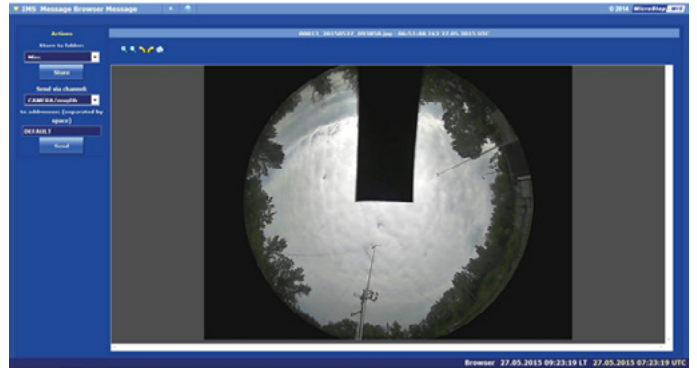
The device controls the movement of a camera mounted on a pan / tilt head based on commands from a master system. The controller is mains powered and is intended for mounting onto a standard DIN rail. It connects to its master using EUROCLAMP (or compatible) 3.5 mm plug-in terminal blocks.

Technical parameters

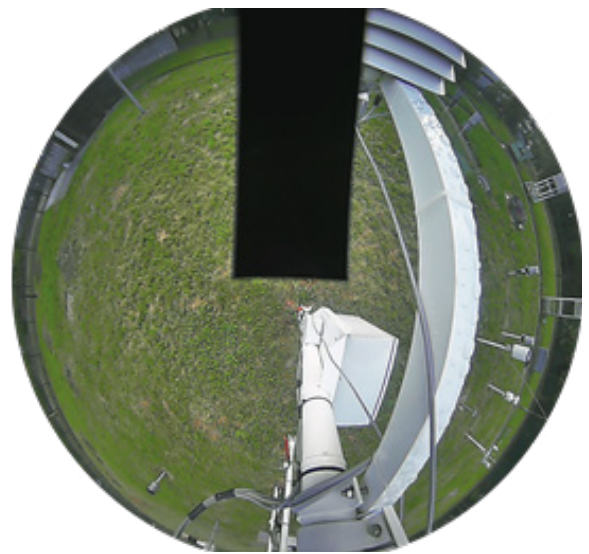
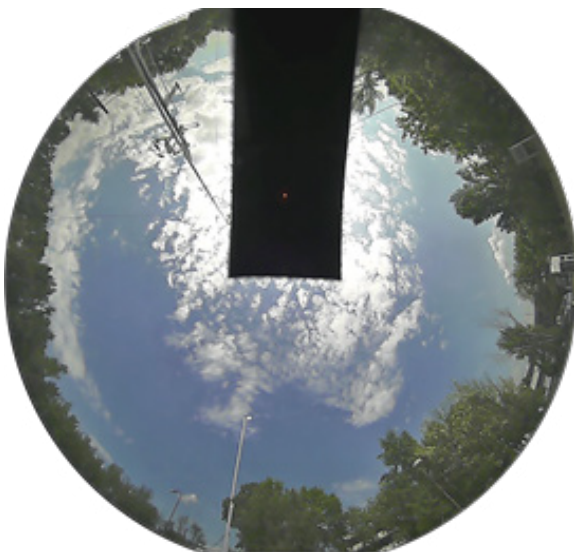
Mounting	top hat DIN rail as per EN 50022
Size (w x h x d)	80 x 105 x 70 mm
Power	230 V AC, 50 Hz
Power consumption	
• Controller	• 1 W (active)
• Pan/Tilt head	• motors 14 W (active) heating 20 W (active)
Control options	automatic, manual for installation / maintenance purposes
Communication	Ethernet (supported protocols: FTP server, HTTP server, FTP client)



Positions of controller: Thanks to the head controller, the fisheye camera is able to reach various positions and give full overview of the sky and current weather conditions.



Software (optional): Integrated Monitoring System IMS4 is MicroStep-MIS` open meteorological system, suitable for building of national meteorological networks, airport weather systems, and meteorological stations for commercial use. It allows the user to access the data from the camera via internet in real-time as well as long-term archiving of the imagery.



Shadow arm: Motorized shadow arm blocks the direct sun to allow correct exposure of the images. Shadow arm is necessary in order to ensure correct visualization of the current cloud situation.