

Fisheye Lens Camera

What is Fisheye Lens

Fisheye Lens is a revolutionary wide angle lens covering a **360°** hemisphere view which you can explore in detail. Simply put, this lens provides double the panoramic view from both sides using one lens to provide a complete 360° view. In the fisheye camera every one meter the subject is further from the camera, the Field of View increases ~6 meters (as the FoV is the perimeter of a circle) elaborating the super wide angle coverage compared to lenses with 70° FoV.

Fisheye in Security

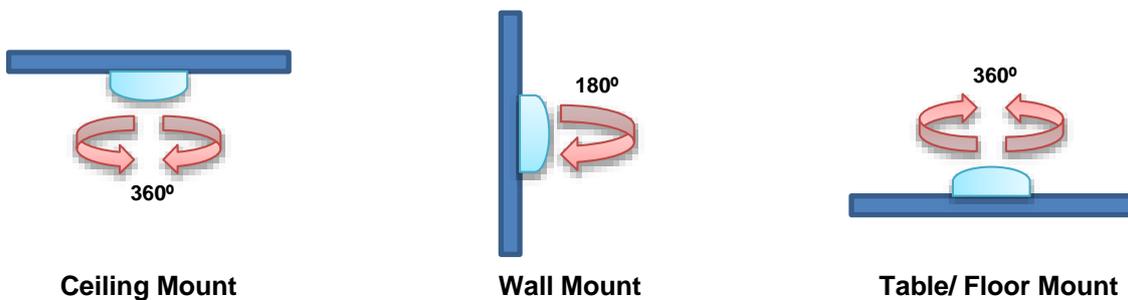
The Fisheye replaces the use of multiple cameras covering the sum of their angles, allowing the capture of an entire room without any dead spots and also without overlapping.

In matter of hardware, the Miniature Fisheye lens combines several cameras with different views in one small size camera covering a wide area.



Fisheye Mounting

The fisheye camera can be mounted in any way depending on the view mode defined by the application of the camera where it is needed to provide a complete overview of the scene.



Applications

Wide Open areas

Extremely suitable for monitoring open areas such as airports, shopping malls, parking lots, retail stores, offices and more. For example in comparison one fisheye lens covering an office of 20 x 7.5m and mounted in the ceiling on 3m height, versus a PTZ camera directed at an explicit area at any certain time, the fisheye camera can simultaneously monitor all four corners of a space. The viewer would be able to keep a track of events without missing anything.

Closed Cubic Areas

In the case of elevators, small cabins, ATM rooms, buses, kiosks and any small area if covered by normal camera a certain area would be excluded as the field of view starts narrow and then widens; therefore the fisheye lens provides the perfect solution as one camera can cover the whole cubic area details.



GNU30-360



- 3 Megapixel Very High Resolution
- Fisheye Lens, Fixed, 0.98mm (Short Axis) ~ 1.12mm (Long Axis),
- Real-Time Streaming @ full HD Resolution
- Tri-Streaming for Recording and Monitoring
- 360° Overview, Panoramic, Double Panoramic and Quad View
- On-Camera Recording with Micro SD Card (Up to 32 GB)
- Day & Night with True Night Function
- Digital Wide dynamic Range (WDR)
- Dual Power Operation 12VDC or PoE

ONVIF

Compatible
With 3rd party
software or
device

3 Megapixel Resolution

GNU30-360 supports 3MP resolution as when covering such a wide area a very high resolution is a must, allowing you to explore inside the full image and zoom anywhere to see a clear 2048x1536 pixels image; also the multiple modes of the camera provides clear resolutions for each direction.

Different Display Modes

As in multiple cameras you wish to have wrapping function to provide one view, GNU30-360 can de-wrap the 360° image to your needed mode based on application.

360° View



Global view for the whole image where with PTZ can move in the 4 directions and zoom in on details as well

Panorama



Panomorph wall: single de-wrapped image when camera is wall mounted

Quad View



Quad de-wrapped images showing as 4x cameras each with 90° View

Dual Panorama



Panomorph ceiling: two horizontal de-wrapped images for ceiling mount gives Dual Panorama or wall mount gives dual aisle which is ideal for use in hallways and corridors where it is important to view the activity as it "comes and goes."

Dual Aisle



Wide Dynamic Range

Video Enhancement function provides gradation compensation to improve the contrast of subjects whose gradation has been lost in cases where, for instance, both low-luminance areas and high-luminance areas exist in the same picture. The Tone Reproduction improves the visibility of the entire picture by providing the optimum gradation compensation for the image in one field based on the luminance information.

