

# 360° Camera has no blind spot

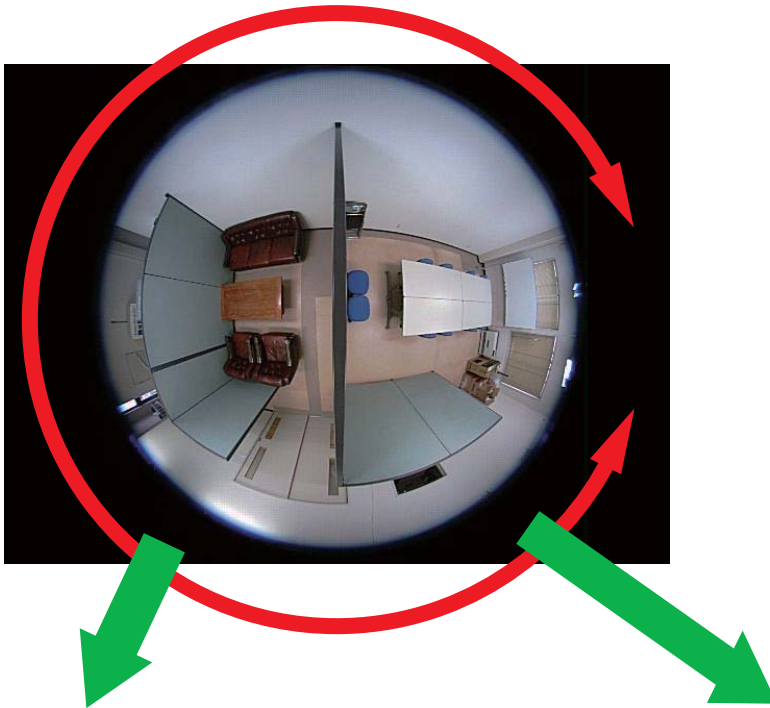
- ◎ Fit in the ceiling
- ◎ All Around View
- ◎ Easy Installation

**Ceiling Fit type**

**CFC-360F**



Hemispherical all around image from a fish-eye lens is dewarped into several patterns. Easy to zoom-in/out. JPEG image digital output.



180° panoramic images

The area in the white frame in the hemispherical image is dewarped and shown in a VGA size.

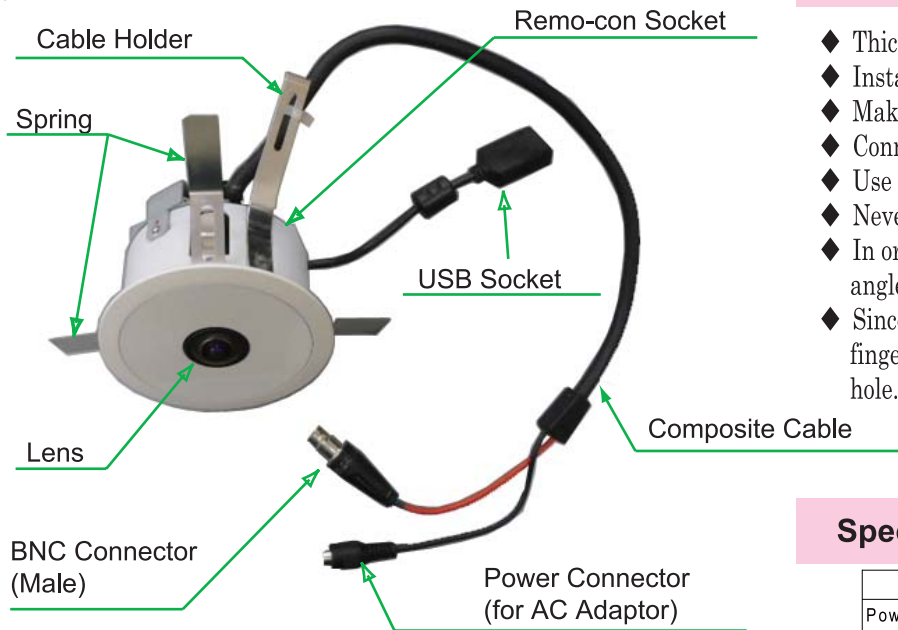


Partially enlarged

## Key Features

- 3Mega Pixel color CMOS Sensor
- JPEG compressed digital image via USB port
- max 15 frames per second
- NTSC/PAL composite output
- Built-in high-speed DSP to dewarp images
- Digital Pan/Tilt/Zoom with no moving parts = High Durability

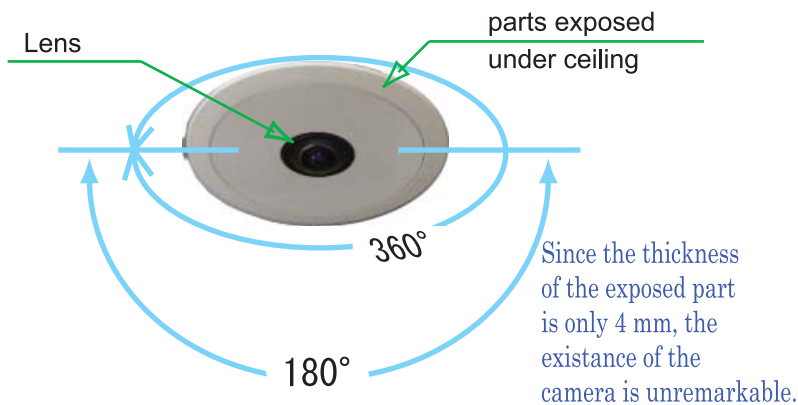
## Appearance



## Remarks

- ◆ Thickness of the ceiling board must be 5 ~ 15 mm.
- ◆ Installing to a soft material like the RockWall is prohibited.
- ◆ Make a hole of  $\phi 78 \sim 80$  mm on the ceiling.
- ◆ Connected the enclosed AC Adaptor to the Power Connector.
- ◆ Use only the enclosed AC Adaptor (5V 2A) .
- ◆ Never connect to the superposed cable.
- ◆ In order to decided the image pattern to output or the view angle, use a PC via USB or a Remo-con (optin).
- ◆ Since the spring forth is strong, be careful not to injure fingers or hands when installing the housing into the ceiling hole.

## View Angle



## Specification

Item	Value
Power	Voltage: 5.0 V $\pm$ 5% (Absolute Rated Voltage : -0.3 ~ 6V) Max. Consumption Current : 500 mA
Appearance	Size : $\phi 74$ (outer diameter) x 72 mm (except spring) Weight : 250 g
Operational Environment	Temperature : 5 ~ 35 $^{\circ}$ C Humidity : 45 ~ 85 % (RH) (no condensing)
Storage Environment	Temperature : -20 ~ 60 $^{\circ}$ C Humidity : 5 ~ 80 % (RH) (no condensing)
Lens	Object Distance : 10 mm ~ infinity (from the lens surface) Viewing Angle : 180 $^{\circ}$ x 360 $^{\circ}$
Image Sensor	Single-panel 1/2" Color CMOS Effective Pixels H : 2048 x V : 1536 (3.15 M pixels) Usable Pixels : approx. 1.7 M pixels Minimum Light Required : 5 lux
Video Output (analog)	Composite Video 1 Vp-p, Negative sync. NTSC/PAL (selectable ex-factory) Output Drive Capability : 75 $\Omega$
Video Output (digital)	JPEG, USB1.1 Frame Rate : 15 fps max. 640 x 480 pixels (VGA size) 320 x 240 pixels (QVGA size)

## Features

- Equipped with a newly developed small-sized fisheye lens ( $\phi 20$ mm) , taking pictures in hemispheric field of vision can reduce the number of cameras to use.
- Thanks to the built-in, newly developed, high-speed processor, you can convert a hemispherical image to a flat image and can zoom or scroll any portion of the images.
- JPEG compressed digital image output via USB port keeps high-resolution images to PC. Beside its very large data, 15 fps frame rate provides smooth video image.
- Thanks to the auto-panning function, you can enjoy auto-panning at your ease without turning your camera or extra image processing. The elimination of the swinging mechanism has reduced its cost and risk of malfunction.

## Purposes

Surveillance and monitoring of store, factory, bank, school, entrance, and such the places where the camera would not like to be easy to notice.

## Accessories

AC Adaptor  
CD (manual, operation software)  
USB cable

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