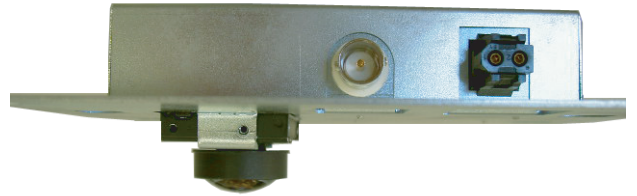


# Train Car Monitoring Camera

Ceiling Fit type

Model : CFCT-360F

## 360° Camera



### Key Features

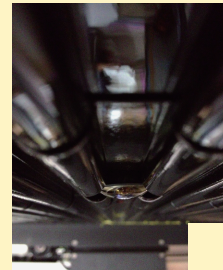
- 3 Megapixel Color CMOS sensor : provide clear view
- Customized Fisheye Lens : 1 for all directions, no blind spot
- Built-in Image Processor : dewarped image output
- NTSC Video Output : no network environment
- Small and light weight : high durability, meet with JIS E4031
- Thin design : Fit in a narrow space, only the lens appears



<Ex: China Shanghai Sub-way car>



It is difficult to find the camera.  
No damage of scenery.

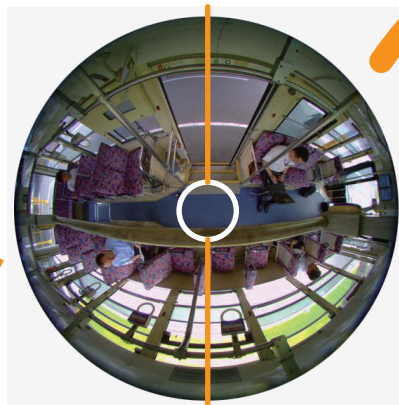


<Example: JR Express Train>

Whole surrounding image taken by a fisheye lens can be output after dewarped in a suitable mode.



Ex: 4 x Quad view in Shanghai Sub-way car



<Ex: Installed at the center of a bus facing downward.>

180° Panorama



180° Panorama

## Dimensions

Technical drawing of the SPSR1 power supply unit, showing three views: top, side, and front.

**Top View Dimensions:**

- Overall width: 143
- Overall height: 107
- Mounting hole diameter:  $\phi 5.6$
- Mounting hole pitch: 4x6
- Internal component width: 60
- Internal component height: 25
- Internal component pitch: 4x6
- Internal component width: 57
- Internal component height: 20
- Internal component pitch: 19
- Internal component width: 13.75
- Internal component height: 16.25

**Side View Dimensions:**

- Overall width: 143
- Overall height: 65
- Mounting hole diameter:  $\phi 5.6$
- Mounting hole pitch: 4x6
- Internal component width: 60
- Internal component height: 25
- Internal component pitch: 4x6
- Internal component width: 57
- Internal component height: 20
- Internal component pitch: 19
- Internal component width: 13.75
- Internal component height: 16.25

**Front View Dimensions:**

- Overall width: 143
- Overall height: 107
- Mounting hole diameter:  $\phi 5.6$
- Mounting hole pitch: 4x6
- Internal component width: 60
- Internal component height: 25
- Internal component pitch: 4x6
- Internal component width: 57
- Internal component height: 20
- Internal component pitch: 19
- Internal component width: 13.75
- Internal component height: 16.25

**Labels:**

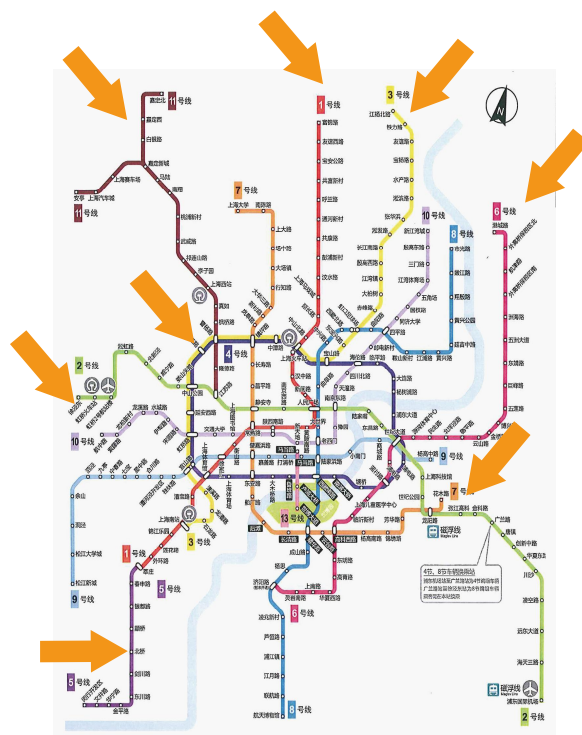
- CN1: 電源レギュラ
- CN2: BNCレギュラ
- 電圧レギュラ
- SMSR1

The diagram illustrates the layout of a train car, divided into sections by vertical dashed lines. The top part shows a side view of the car, and the bottom part shows a top-down view. The car is divided into sections by vertical dashed lines, with circular seating areas indicated by dashed circles. The top part shows the car's profile with various equipment and seating areas. The bottom part shows the car's floor plan with circular seating areas. The diagram is divided into sections by vertical dashed lines.

In the above example, it is sufficient to install only three in 20 m vehicles. As the result, the system is simplified and the total cost is reduced.

- 360° camera with NTSC video output is available only with our camera.
  - Low power consumption
  - Our camera contributes to reduce the number of cameras and simplify the system
- = Reduce total cost**

- Conforming to JIS E 4031 (Vibration, shock)
- Flame retardant materials
- Glass lens mounted
- Customize housing design is available



<Ex: Installation in Shaghai Sub-way lines>

Designed by:

OPT Corporation

5423-2 Miyagawa, Chino-shi, Nagano-ken 391-0013 Japan

Phone: +81-266-82-0020, Fax: +81-266-82-0022

<http://www.optnagano.co.jp>