

Explosion proof compact PoE network camera EXP-C01

Certification: JAPAN (JPEX) No. TC22644X

The world's smallest class PoE network camera
for hazardous area.
Best solution for fixed pin-point monitoring.



MADE IN JAPAN



No power supply installation work required

PoE power supply by
ethernet cable.

Extremely compact body

Approx. 1/2 volume of the conventional
small type explosion proof cameras.

Dimension: 65 mm (W) x 65 mm (H) x 125 mm (D)

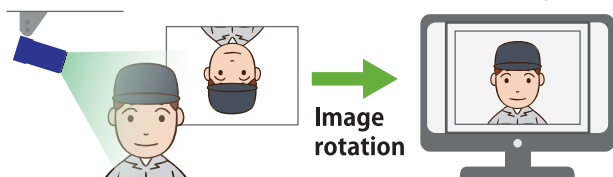


Intelligent camera mounted

Mounted with an intelligent camera with a view-
point correction function, there's no worrying
about the installation direction.
You can check the corrected image in real time.



Even if it's not possible to install the camera in front of
the meters, you can monitor corrected image.

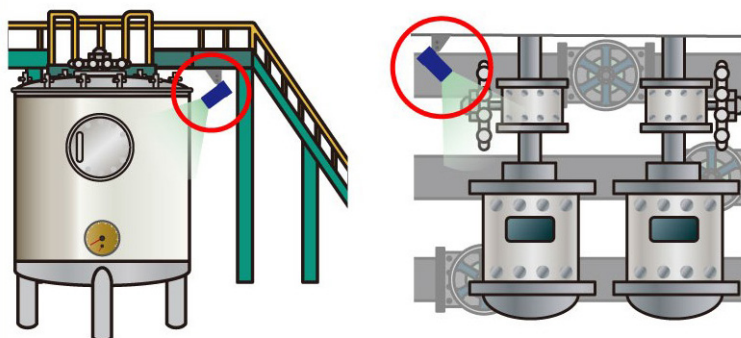


It's also applicable to a short-distance
face recognition system.

Flexible angle and easy installation in any location.

Small body, and highly accurate fixed pinpoint monitoring
system for;

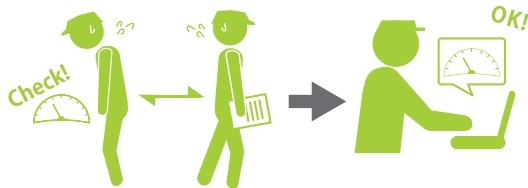
- analog meters
- sight glass fluid flow, liquid level status
- unmanned surveillance system



Application

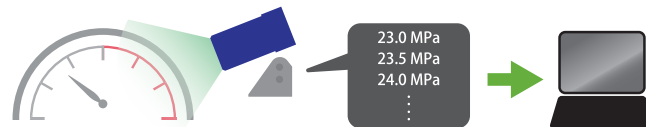
Sight glass fluid flow monitoring / liquid level status monitoring

By installing this camera, it's possible to constantly monitor the liquid flow and liquid level without deploying personnel and going to the site over and over.

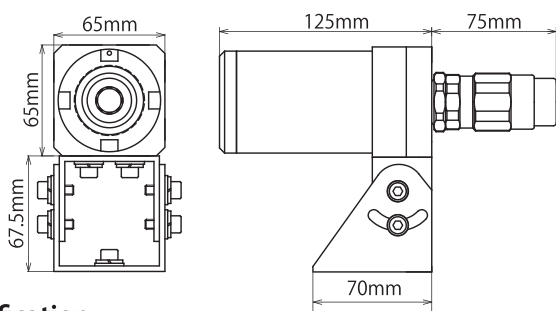


Digitization for analog meter

Using our camera with AI meter reading software, you can digitize analog meter automatically. This solution reduces the time and efforts for surveillance.



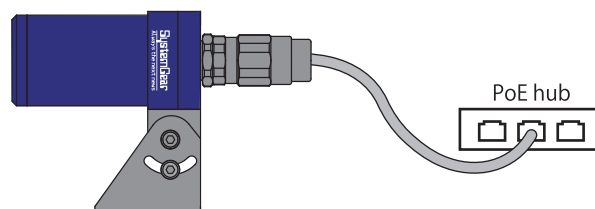
Appearance



Connection

Only one cable enables power supply and image data transmission.

※In explosion proof areas, wiring must conform to explosion proof structures.



Specification

Name		Explosion proof compact PoE network camera
Model		EXP-C01
Type of protection / mark		Ex d IIC T5 Gb
Certification		JAPAN (JPEX) No. TC22644X
Camera	Image Sensor	CMOS color sensor
	Pixels (max.)	640 (H) × 480 (V) 300,000 pixels
	Shutter method	Rolling shutter
Lens	Sensor size	1 / 4 type
	Angle of view	Standard lens : Vertical 34° Horizontal 44° Diagonal 52° (Optional lens : Vertical 54° Horizontal 74°)
Video	Frame rate	60fps maximum
	Compression format	MotionJPEG
Software	General setting & monitoring	Configuration & monitoring tool included
	Image rotation	Horizontal flip / Vertical flip
	Viewpoint conversion	Image can be cut out by specifying 4-point coordinates.
Dustproof and waterproof	IP Code	IP65
LAN network	Protocol	UDP
Cable	LAN	100BASE-TX (※1)
Installation	External dimensions	Body / Width : 65 mm, Height : 65 mm, Depth : 125 mm (not including cable gland) Stand / Width : 65 mm, Height : 67.5 mm, Depth : 70 mm (not including bolts)
	Weight	Body + Stand = Approx. 1.5kg
	Power supply	PoE
	Power consumption	Approx. 3W
	Installation environment	Ambient temperature : -10°C to 45°C Ambient humidity : 20 to 85% (during operation) No condensation, no icing

※1 : LAN cable is not included. For LAN wiring, perform explosion-proof electrical work wiring in consideration of external damage protection and chemical resistance according to the explosion-proof environment.

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General warning

To ensure correct and safe use, be sure to read the instruction manual before using the product.

●The specifications, standards and appearance of this product are subject to change without notice for improvement. ●Please note that, because of the printing, photos and screens used in this manual may differ in its color and details from the actual ones. ●Sales, production, and maintenance of the products in this paper may be discontinued without prior notice or notification.