

# Industrial Crane Monitoring System

## CZ-3041-1

- Provides increased crane operator awareness
- Explosion-proof, outdoor zoom camera
- Advanced camera stabilization system
- Day/night switching
- 36x optical zoom



### Rugged camera system designed for use on crane booms

The CZ-3041-1 is a high quality video solution designed to be mounted on crane booms. A high-resolution, analog, color video camera is housed in a rugged weatherproof enclosure suitable for hostile environments. The enclosure is sealed and certified for Class I Division 1, groups B, C and D, Class II Division 1 groups E, F, and G, AEx d IIC, ATEX Exd IIC.

The complete assembly is suitable for outdoor use (Type 4X/ IP66). The camera provides increased operational awareness for crane operators, even in poor lighting or weather conditions. The result is improved crane operation safety and efficiency. The 36x zoom camera is a high performance low-light camera with image stabilized video.

It automatically switches to black and white and removes an IR cut filter to increase sensitivity in low light conditions.

The camera enclosure is mounted on an adjustable camera stabilization and vibration dampening mechanism. This mechanism provides smooth and reliable operation under the most demanding conditions. The camera may be ordered with a safe or hazardous area remote control and color display monitor. The remote controls provide push button management of camera zoom, focus, and auto white balancing functions.

## ▸ specifications

<b>Imager</b>	1/4" Sony ExView CCD
<b>Resolution</b>	640 x 480
<b>Shutter Speed</b>	1 to 1/10,000 Seconds
<b>Minimum Illumination</b>	1.4 lx (F1.6, 50IRE)
<b>F number</b>	F1.4 to F4.5
<b>Focal Length</b>	3.4 to 122.4 mm
<b>View Angle</b>	1.7° to 57.8°
<b>Zoom ratio</b>	36x
<b>Iris</b>	Auto and Manual
<b>Day/night</b>	Auto
<b>Focus</b>	Auto and Manual
<b>White Balance</b>	Auto, Manual, ATW
<b>Connection</b>	1.0Vp-p; 75Ω on BNC
<b>Frame Rate</b>	30 FPS
<b>Voltage Required</b>	100 - 240 VAC
<b>Power Consumption</b>	Camera: 3W ATEX Monitor: 10W Safe Area Monitor: 10W
<b>Camera Weight</b>	29.0 lbs.
<b>Operating Temperature</b>	0° C to 50° C
<b>Dimensions</b>	Camera: 8.3" x 14.2" x 14.0" ATEX Monitor: 13.1" x 17.0" x 9.0" Safe Area Box: 10.0" x 6.8" x 6.0" Safe Area Monitor: 10.2" x 7.7" x 1.6"
<b>Mount</b>	Crane mount standard
<b>Camera Enclosure Rating</b>	Class I Division 1, Groups B, C & D, Class II Division 1, Groups E, F & G, Class III Division 1, Groups E, F & G, AEx d IIC T6, ATEX EXd IIC Type 4X, IP66

## ▸ IVC camera management software

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## ▸ options

### Monitors



10.4" Safe Area Monitor



12.1" ATEX-rated Monitor

### Remote Control



Safe Area Controller



ATEX-rated Controller

## ▸ ordering information

**CZ-3041-1-CMCNFnV**

V	<b>Voltage Required</b>
	AC 100 - 240 VAC
Fn	<b>Connection Type</b>
CN	<b>Controller</b>
	0 NONE
	S Safe Area
A ATEX-rated	
M	<b>Monitor</b>
	0 NONE
	S10 10.4" Safe Area
	S17 17" Safe Area
	S19 19" Safe Area
A12 12.1" ATEX-rated	
-C	<b>Camera</b>
	36 Image Stabilized 36x Zoom

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