

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

Imager	1/4" Sony ExView CCD
Resolution	640 x 480
Shutter Speed	1 to 1/10,000 Seconds
Minimum Illumination	1.4 lx (F1.6, 50IRE)
F number	F1.4 to F4.5
Focal Length	3.4 to 122.4 mm
View Angle	1.7° to 57.8°
Zoom ratio	36x
Iris	Auto and Manual
Day/night	Auto
Focus	Auto and Manual
White Balance	Auto, Manual, ATW
Connection	1.0Vp-p; 75Ω on BNC
Frame Rate	30 FPS
Voltage Required	100 - 240 VAC
Power Consumption	Camera: 3W ATEX Monitor: 10W Safe Area Monitor: 10W
Camera Weight	29.0 lbs.
Operating Temperature	0° C to 50° C
Dimensions	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"
Mount	Crane mount standard
Camera Enclosure Rating	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	Voltage Required
	AC 100 - 240 VAC
Fn	Connection Type
CN	Controller
	0 NONE
	S Safe Area
A ATEX-rated	
M	Monitor
	0 NONE
	S10 10.4" Safe Area
	S17 17" Safe Area
	S19 19" Safe Area
A12 12.1" ATEX-rated	
-C	Camera
	36 Image Stabilized 36x Zoom

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