Class I Division 2 Pan/Tilt/Zoom IP-Camera
APTZ-3142-22

- Nonincendive, non-sparking outdoor PTZ camera

- Day/night switching; IR sensitive

- 36x zoom

- Multiple streams, MJPEG, H.264

- Suitable for hazardous environments

- IP ready

High-performance, outdoor camera for hazardous environments

The APTZ-3142-22 is a quality, high-resolution, color, 36x zoom video camera with outstanding low-light performance. The pan, tilt, and zoom functions can be controlled automatically and precisely from anywhere using the click-to-point and preset view features of IVC camera management software. This PTZ camera is a high-performance low-light camera that automatically switches to black and white and removes an IR cut filter to increase sensitivity in low light conditions.

The camera is housed in a heavy-duty, stainless steel weatherproof dome suitable for hostile environments. The enclosure is sealed and pressurized with dry nitrogen and certified for Class I Division 2, groups A through D, T4. It includes an automatic heater and blower. The complete assembly is rated NEMA Type 4x.

The camera is ready for mounting and requires only power and an RJ-45 network connection. Fiber connection options are available. Camera power supply and electronics are housed in an enclosure that is certified Class I Division 2 and constructed of fiberglass, suitable for wall mounting.

IV&C
INDUSTRIAL
VIDEO & CONTROL

▶ specifications

Imager	1/4" Sony ExView CCD
Shutter	1 to 1/10,000 seconds
Minimum Illumination	0.7 Lux (Color); 0.01 Lux (B/W)
Exposure	Auto
White Balance	Auto
Iris	Auto
Focus	Auto and Manual
View Angle	1.7° - 57.8°
Focal Length	3.4 - 122.4 mm
F-number	1.6 to 4.5
Zoom Ratio	36x Optical; 4x Digital; 144x Total
Pan Angle	360°
Pan Speed	360° per second
Tilt Angle	-90° to 0° (113° view range)
Tilt Speed	360° per second
Ethernet	100Base-TX/10BaseT (RJ-45), 100Mb or 1 GbFiber (see below)
I/O Terminals	1 Input, 1 Output
Resolution	704 x 480 and 352 x 240 pixels
Compression	MJPEG, MPEG-4, H.264
Frame Rate	30 FPS
Protocols	TCP/IP, HTTP, FTP, SMTP
Weight	22 lbs.
Voltage Required	110-120 VAC, or 220-240 VAC
Power Consumption	120 W
Operating Temperature	-29° to 50° C
Dimensions	21.625" H x 10" W x 11.5" D
Mount	Wall Mount Standard
Rating	Class I Division 2, Groups A-D, T4 NEMA4x

▶ IVC camera management software

Point & click camera management & control
Robust, enterprise class software to manage and control your cameras and video from anywhere in the world.

▶ features

Class I Division 2, Groups A-D NEMA 4x rated enclosure

30 frames per second for smooth video

H.264 encoding transfers high quality video at a lower frame rate for seamless motion

High speed pan/tilt provides 360 degree rotation in under 1 second

▶ accessories

ACC-402	Pressurized fill kit
ACC-402-01	Fill kit with nitrogen
MB-101	Pole mount kit

▶ ordering information

APTZ-3142-22-Fn-YZ-V

-V	Voltage Required
115	110-120 VAC
230	220-240 VAC

-Y	-Z	SFP Option *Y = 0 for F18 option	Distance	Available for
0	0	None		F1 - F4
1	1	MM Gigabit fiber SFP (SX/LC), 850 nm	550 m	F17, F18*
2	2	MM Gigabit fiber SFP (SX/LC), 1310 nm	2 km	F17, F18*
3	3	SM Gigabit fiber SFP (LX), 1310 nm	10 km	F17, F18*
4	4	SM Gigabit fiber SFP (LX), 1310 nm	25 km	F17, F18*
5	5	SM Gigabit fiber SFP (ZX), 1550 nm	40 km	F17, F18*
6	6	SM Gigabit fiber SFP (ZX), 1550 nm	70 km	F17, F18*
7	7	MM 100 Mb fiber SFP (LC), 1310 nm	2 km	F17
8	8	SM 100 Mb fiber SFP (LC), 1310 nm	20 km	F17
9	9	SM 100 Mb fiber SFP (LC), 1310 nm	40 km	F17

Connection Options				
-Fn	Mode	Connector Type	Bit Rate	Distance
F0	Copper	RJ-45	100 Mb	100m
F1	MM	ST, 1310 nm	100 Mb	2 Km
F2	MM	ST, 1310 nm	100 Mb	2 Km
F3	SM	ST, 1310 nm	100 Mb	20 Km
F4	SM	ST, 1310 nm	100 Mb	20 Km
F17	SM/MM	2 open SFP ports	100Mb/1Gb	varies
F18	SM/MM	1 open SFP port	1Gb	varies

FM Approvals
ISO 9001 Certified

MADE IN THE USA

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