CAM-5Z-35X-AT-DN

35X Optical Zoom, Object Tracking WDR Day/Night PTZ, Wall Mount, Weatherproof, 24 VAC

Bravo series

With our Auto Tracking PTZ camera system, a moving object or a person can be tracked automatically and recorded, without any manual operation or any operator intervention. Upon detection of motion in the image, the PTZ camera is positioned on the detected object and tracks it automatically, occasionally zooming in to catch close-up shots.

In a context of standalone (no operator) recording, video sequences recorded in the intelligent tracking mode have much more chances to capture significant events with enough details to enable identification. In most cases, a static camera or a PTZ camera in scan mode will not have the zoom level to enable useful identification. With the ATI's Auto Track system, full capabilities of PTZ cameras are exploited without the need of an operator. The ATI Auto Track PTZ can be easily integrated with our PC or embedded based DVR systems.

The use of PTZ cameras is generally a very advantageous solution for the surveillance of a site since it makes it possible to cover a wide surface with only one camera. However, in its conventional use, this type of cameras requires manual operator for its control. The PTZ proves to be an interesting solution to give a control in any time on the camera. This system is able to substitute the human intervention for the control of the camera in order to make a better recognition of moving objects to provide to the user some catches sights supporting the access to desired visual information.

Perfect for unattended locations such as:
- High security buildings
- Perimeter security
- Private and public parking
- Maritime ports, trains stations
- Bridges
- Public parks, monuments
- Car dealerships
- Government, defense
- Municipal Garages
- Construction sites
- Unattended utilities installations
- Factories, refineries, pipelines
- Schools
- Law enforcement Note: To use an Object Tracking pan tilt zoom camera on our PC-Based DVRs, you must have an RS485 Converter

Features:
- New intelligent PTZ camera technology
- IP66 Weatherproof
- Auto tracking of moving objects
- Configurable default position or tour
- Scheduled modes of operation
- Areas of non-significant motion masked out
- Manual override PTZ control
- Automatic close-up pictures
- Standalone operation or Integrated operation with a DVR IP66 Weatherproof
- Auto search and track on moving object
- Adjustable precision and tracking state after object moving out of target area, auto return to home position/preset and keep tracking
- OSD menu (with password protection) to display and program dome info and data, set and call presets, pattern scan, auto cruise, zone scan and start/stop tracking
- Auto activation on power up/reset or as per schedule: after power-up or dome reset or as scheduled, zone scan, random scan, auto cruise, pattern scan, and tracking; presets can be auto activated
- Up to 8 zones of windows blanking Programmable zone title, preset, title, and dome title
- Hi-precision motor providing stable and precise performance
- P/T speed adjustable as per the zoom times
- Alarm input and relay output
- Easy CLIP connection and installation
- Multi-preset, auto cruise, zone scan and pattern scan
- Manual-controlled scan area adjustable
- Multi-protocols supported (Pelco D/P, Kalatel) with adjustable baud rate
- Auto/Manual adjustments of IRIS, BLC, focus and WB
- Auto/Manual start of heating device
- Continuous 360 degree pan, 0 ~ 90 degree tilt with auto flip

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- **35x optical, 12x digital zoom**
- 540 TVL Day/Night WDR
- Automatic object tracking
- Built-in Memory to Store 220 Presets
- Built-in Multi-protocol Setting
- 24 VAC

AVAILABLE MODELS

Part number	Description
CAM-5Z-35X-AT-DN	35x auto object tracking PTZ, day/night, wall mount bracket, power supply included

SPECIFICATIONS

CAMERA	
Style	Auto tracking PTZ
Horizontal Resolution (D/N)	540 TVL day / 600 TVL night

Image Sensor	1/4" CCD
Picture Elements	NTSC: 768 (H) x 494(V) PAL: 752 (H) x 582 (V)
Zoom	35X optical, 12X digital
Lens	3.4~119 zoom length
Horizontal Angle of View	55.8° at 3.4 mm wide zoom; 1.7° at 119 mm telephoto zoom
Auto Iris	Yes
Min. Illumination (day)	Color (day) 1 lux at f1.2
Min. Illumination (night)	B/W (night) 0.05 lux at f1.2
IR Beam Distance	- - - -
Infrared	- - - -
Day/Night (Electronic)	Yes
True Day/Night	Yes
Scanning System	2:1 Interlaced
Signal-to-Noise Ratio	≥50 dB (AGC off)
Synchronization	Internal
Gamma Correction	0.45 Approx
Back Light Compensation	Yes
White Balance	Yes
On-Screen Display	Yes
Extra Spot Monitor Output	- - - -
PoUTP	- - - -
DNR (Digital Noise Reduction)	- - - -
WDR (Wide Dynamic Range)	Yes
IR Cut Filter (Mechanical)	Yes
3 Way Axis Gimbal	- - - -
Communication	RS485
PTZ FEATURES	
Auto Object Tracking	Yes
Built-In Protocols	Pelco-D, Pelco-P
Image Stablization	Yes
Privacy Mask	Up to 8
Alarm	7 inputs, 2 outputs
Pattern Tour	4 with PTZ function
Presets	220
ID	0-255 (1-9999 for Biphase code)
Password Protection	Yes
Baud Rate	2400/4800/9600/19200 bps
Heater & Blower	Yes
ACCESSORIES	
Bracket	Yes
Sun Shield	- - - -
Remote Control	- - - -
Power Pigtail Lead	- - - -
ENVIRONMENTAL	
Operation Temperature	-40°F to 122°F (-40°C to 50°C)
Storage Temperature	-40°F to 122°F (-40°C to 50°C)
Operating Humidity	Up to 95%
Ingress Protection Rating (IEC 60529)	IP66
Weatherproof	Yes
Vandal Proof	Yes
ELECTRICAL	
Video Out	Composite Signal (1Volt p-p 75 Ω)
Signal Connector	BNC
Input Voltage	24 VAC
Current Draw	500 mA~2 A
Power Consumption	50 Watts
PHYSICAL	
Dimensions (W x H)	8.5" ø x 12.5" (216 x 305 mm)
Weight	9.25 lb (4195 g)
Housing Material	Zinc
Housing Color	Beige
Camera Mounting	Wall/ceiling
REGULATORY	
Regulatory Type	CE, FCC, UL
Warranty (Effective Jan 1, 2009)	
3 Years	

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