

PTZ-1801WDR

600TVL 18× Optical Zoom Indoor/Outdoor, Full Sized PTZ Camera



The PTZ-1801WDR is one of our finest full-size robotic point and zoom cameras with all the professional features you would expect. The camera features an 18× optical zoom with an additional 12× digital zoom for times when you need to take a closer look from distance. The PTZ-1801WDR is a perfect camera for retail, commercial, and industrial especially with lighting conditions that would interfere with lower-end cameras due to its powerful wide dynamic range capability. Wide Dynamic Range balances the dark shaded area and the bright sun-lit areas to produce a balanced image with corrected contrast. The camera also sports 3D/2D noise reduction reducing overall data recording size on DVRs, which increases storage size dramatically. The camera has full on-screen-display menus for total control of presets, tours, and pattern for automated patrols. Each PTZ-1801WDR also supports ICR's proprietary 3D positioning technology allows user-friendly click to zoom. Finally, each PTZ is built with all-weather IP67 protection against both dust and water, which means it can be used in either the desert or the sea.

Features

- 1/4" EXview HAD CCD II
- 18× optical zoom and 12× Digital Zoom
- 600TVL Day/650TVL Night (IR Sensitive)
- Wide Dynamic Range Compensation (WDR)
- DNR (2D & 3D), Auto-iris, Auto-focus, AWB, AGC, BLC
- Up to 255 presets, 5 auto scan, 8 tour, 5 pattern
- IP67 all-environments protection, 4000V of lightning protection
- Max 400°/s pan & tilt speed, 360° endless pan rotation
- 24V AC, 3A

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Specifications

Model	PTZ-1801WDR
Camera	
Image Sensor	1/4" Ex-View HAD CCD (Progressive Scan)
Effective Pixels	752×582; 440,000 pixels
Horizontal Resolution	600TVL (Color) / 650TVL (B/W)
Lens	4.1mm – 73.8mm; 18× Optical zoom; F1.4 ~ F3.0
Digital Zoom	12×
Angle of View	48° (W) ~ 2.8° (T)
Min. Object Distance	290mm(W) ~ 800mm(T)
Min. Illumination	0.7Lux@F1.4 (Color); 0.1Lux@F1.4 (B/W)
Electronic Shutter Speed	1/4sec ~ 1/10000sec
Gain	Auto / Manual / Max. Gain Limit (-3 dB to 28 dB; 2 dB steps)
Exposure Control	Auto, Manual, Priority mode (shutter / iris), Bright, EV compensation, Slow AE
WDR	On / Off / Auto (128×)
Day / Night	On / Off / Auto (ICR)
Noise Reduction	On / Off
Backlight Compensation	On / Off
White Balance	Auto, ATW, Indoor, Outdoor, Outdoor Auto, Sodium Vapor Lamp (fix/auto), One-push, Manual
Picture Effects	E-Flip, Nega Art, Black & White, Mirror image, Color Enhancement
S/N Ratio	> 50dB
Privacy Masking	On / Off (Up to 24 Privacy Masking Areas)
Video Output	1.0V p-p 75Ω
Dome Drive	
Pan / Tilt Range	Pan: 0° ~ 360°endless, Tilt: -2° ~ 90°; auto flip180°
Manual Control Speed	Pan: 0.1°/s ~ 300°/s, Tilt: 0.1°/s ~ 150°/s
Preset Speed	Pan: 400°/s, Tilt: 180°/s
Preset Positions	255
PTZ Mode	5 Auto Scan, 8 Tour, 5 Pattern
3D Positioning	Yes
Auto Speed Control	Automatic focal length/speed adaptation
Info Display	Time, Location, Dome title, Dome coordinates, Temperature, Alarm, etc.
Power-up Action	Auto-restore to previous PTZ and lens status after power failure
Idle Motion	Activate preset / scan / tour / pattern if there is no command in the specified period.
Time Task	Auto activation of Preset/Scan/Tour/ Pattern by preset-time
Alarm	7/2 alarm input/output, Triggering Preset/Tour/Pattern/Scan/On-off Output
Remote Upgrade	Yes, RS485
Protocol	ICR-SD, Pelco-P/D, Auto recognition of general protocols
Fan & Heater	Automatic fan and heater control
General	
Power Supply	24V AC, 3A (±10%)
Power Consumption	12W (Indoor), 50W (Outdoor, heater on)
Working Environment	-40°F ~ 140°F/-40°C ~ 60°C; RH: 10% ~ 90%
Ingress Protection	IP67, 4000V thunder, surge, & wave protection
Dimensions	Φ8.74"×12.67"/Φ222mm×322mm
Weight	11.02lbs/5kg

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Accessories



[PWR-24VAC TRANSFORMER](#)