AVS-Z4212S
2 Megapixel Indoor, Mini HD-AVS PTZ Dome Camera

The AVS-Z4212S is a 2 Megapixel camera with 12× optical zoom. This camera adopts a flush mount style of PTZ cameras. The PTZ itself can auto recognize standard protocols over RS-485 such as ICR-SD and Pelco-P/D, without troublesome dip switches or configuration. Beyond that, it can also send control commands over coax, and audio over coax (COC - Control over Coax, AOC - Audio over Coax). It supports both H.264 video and MPEG4 audio transmission, simultaneously. Beyond this, the camera itself is also part of the latest lineup of high speed recording cameras, capable of recording 720P resolution at a full 60 FPS! By utilizing H.264 video and MPEG4 audio compression, the highest stream quality is achieved while also maintaining excellent stream compression and bandwidth. The AVS-Z4212S enclosure itself has a strong impact rating, which can guarantee proper operation even under a heavy strike.

Features

- 5.1mm ~ 61.2mm vari-focal lens, 12× Optical zoom

- RS485 Over Coax

- 60FPS@720P, 30FPS@1080P

- MPEG 4 Audio, Bi-directional Talk

- DWDR, Day/Night (ICR), DNR (2D & 3D), Auto iris, & Auto focus

- AC24V/1.5A

AVS-Z4212S

Specifications

Model	AVS-Z4212S
Camera	
Image Sensor	1/2.8" Exmor CMOS
Effective Pixels	1944(H)×1092(V), 2 Megapixels
Horizontal Resolution	≥1000TVL
Scanning System	Progressive
Electronic Shutter Speed	1/3s ~ 1/30,000s
Min. Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
S/N Ratio	More than 55dB
Resolution	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC HD-AVS high definition video output
Camera Features	
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	2D / 3D
Privacy Masking	Up to 24 areas
Digital Zoom	16×
Lens	
Focal Length	5.1mm ~ 61.2mm (12× Optical zoom)
Max Aperture	F1.2 ~ F2.1
Focus Control	Auto / Manual
Angle of View	51.3° ~ 4.64°
Close Focus Distance	100mm ~ 1000mm
PTZ	
Pan/Tilt Range	Pan: 0° ~ 360° endless; Tilt: -2° ~ 90°, auto-flip 180°
Manual Control Speed	Pan: 0.1° ~ 200°/s; Tilt: 0.1° ~ 120°/s
Preset Speed	Pan: 300°/s; Tilt:200°/s
Preset	80 (ICR-SD); 255 (Pelco-P/D)
PTZ Mode	5 Pattern, 8 Tour, 5 Auto Scan, Auto Pan
Speed Setup	Human-oriented focal length / speed adaptation
Power-up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/Pan/Scan/Tour/Pattern if there is no command in the specified period
Protocol	ICR-SD, Pelco-P/D (Auto recognition)
Audio	
Interface	1 channel In
Auxiliary Interface	
RS485	1
Alarm	2/1 channel In/Out
General	
Power Supply	AC24V/1.5A (±10%)
Power Consumption	10W
Working Environment	-14ºF ~ 122ºF/-25ºC ~ 50ºC; Less than 90% RH

Dimensions	Φ6.69"×6.10"/Φ170mm×155mm
Weight	3.97lbs/1.8kg