



DS-2AF1-401 Analog Speed Dome Technical Manual





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1. Key Features

- High Performance Sony CCD
- ±0.1° Preset Accuracy
- 400°/s Pan Preset Speed and 150°/s Tilt Preset Speed
- 0.3-300°/s Manual Pan Speed and 0.7-90°/s Manual Tilt Speed
- Scheduled Task: Programmable Preset / Patrol / Auto Scan / Pattern / Random Scan / Frame Scan
- Park Action: Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity
- Parameter Restore: PTZ & Lens Status after Reboot
- Patterns: Up to 4, On-Screen, User-defined Programmable Patterns; Including Pan, Tilt, Zoom and Preset Functions
- Password Protection: Prevent Modifying Menu Parameter
- Line Failure Diagnoses: RS-485 and Manchester Line Failure Diagnoses
- Proportional Pan / Tilt: Continually Decreases Pan / Tilt Speeds, in Proportion to Depth of Zoom
- Freeze Frame between Presets
- Programmable Zoom Speeds
- Variable Scan Speed: Scan Speed Can Be Programmable between 1 to 40°/sec
- Programmable Limit Stops for Auto / Random Scan / Frame Scan Modes
- Built-in Menu System for Setup of Programmable Functions
- On-Screen Compass, Pan ,Tilt and Zoom Display
- Alarm I/O: 2 Channels input and 1 Channel Relay output
- Alarm Actions: 200 Presets, 8 Patrols, 4 Patterns, Auto Scan, Alarm Output, Alarms can be Individually Programmed for 3 Priority Levels
- Resume after Alarm: Allow the Dome Return to Previous State after Alarm Acknowledgement
- Built-in Surge Protection
- Working Temperature -10°C ~50°C (Indoor Model)



2. Specifications

	Parameter	DS-2AF1-401
Camera	Image Sensor	1/4 Inch Interline Transfer SONY CCD
	Effective Pixels	PAL: 752 (H)×582 (V)
	Horizontal Resolution	500 (Callan) 570 (DAM)
	(TVL)	500 (Color), 570 (B/W)
	Signal System	PAL
	Min. Illumination	0.7Lux / F1.4
		0.02Lux / F1.4 (ICR ON)
	White Balance	Auto / ATW / Indoor / Outdoor / Manual
	AGC	Auto / Manual
	S/N Ratio	Better than 50dB
	BLC	ON / OFF
	Electronic Shutter	PAL: 1/50~1/120,000s
	Day & Night	ICR
	Digital Zoom	Up to 10x
	Privacy Blank	Up to 4 zones
	Auto Focus	Auto / Manual
Lens	Focal Length	3.8-38mm, 10x zoom
	Zoom Speed	1.7sec (Optical WIDE-TELE)
	Angular of View	51.2-5.58 degree (WIDE-TELE)
	Min. Working Distance	200-1000mm
Pan and Tilt	Pan Range	360° endless
	Pan Speed	Manual: approx. 0.3°/s -300°/s
		Preset: up to approx. 400°/s
	Tilt Range	0°~90° (Auto flip)
	Tilt Speed	Manual: approx. 0.3° ~ 90°/s
		Preset: up to approx. 150°/s
	Proportional Pan/Tilt	VEC
	Control	YES
	Number of Presets	200
	Auto Mode	OFF / Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan
	Patrols	8
	Patterns	4



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	Scheduled Task	Scheduled Task: programmable Preset / Patrol / Auto Scan /
		Pattern / Random Scan / Frame Scan.
	Freeze Frame	Freeze Frame during Preset.
	Auto Flip	YES
	Parameter Restore	Go to the speed dome last status after reboot
	Park Action	Start to Call Preset / Patrol / Pattern / Auto Scan / Random Scan / Frame Scan, after a Defined Time of Inactivity
	PTZ Position Display	ON / OFF
Alarm	Alarm Input	2 channels input
	Alarm Output	1 channel output
	Alarm Actions	Preset 1 ~ 200, Patrol 1 ~ 8, PATTERN 1 ~ 4, Relay output
Monitor Output	Monitor Output	1.0V[p-p] / 75Ω, PAL composite, BNC
General	Menu Language	English, Chinese
	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive
	Power Supply	24VAC / 12VDC
	Power Consumption	12W max
	Working Temperature	-10°C ~ 50°C (indoor),
	/ Humidity	90% or less (without condensation)
	Dimensions	4 inch, Φ145 (mm)×132.8 (mm)
	Weight(approx.)	2kg



3. Dimension

