



**DS-2AM1-614X/604X Analog Speed Dome  
Technical Manual**

## Notices

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Please send any comments regarding the documentation to:  
[overseabusiness@hikvision.com](mailto:overseabusiness@hikvision.com)

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## 1. Key Features

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- High Performance Sony CCD
- 75°/s Pan Preset Speed and 50°/s Tilt Preset Speed
- 0.2-75°/s Manual Pan Speed and 0.3-50°/s Manual Tilt Speed
- Park Action: Start to Call Preset / Patrol / Auto Scan, after a Defined Time of Inactivity
- Parameter Restore: PTZ & Lens Status after Reboot
- Proportional Pan / Tilt: Continually Decreases Pan / Tilt Speeds, in Proportion to Depth of Zoom
- Programmable Limit Stops for Auto Scan
- Built-in Surge Protection and Limited Lightning Protection
- Water and Dust Resistance: IP66, for Outdoor Dome
- Working Temperature -30°C ~ 60°C (Outdoor Models) or -10°C ~50°C (Indoor Models)

## 2. Specifications

Parameter		DS-2AM1-614X DS-2AM1-604X
Camera	Image Sensor	1/4 inch Sony Super HAD CCD
	Effective Pixels	PAL: 752 (H)×582 (V) NTSC: 768 (H)×494 (V)
	Horizontal Resolution	480 (Color) 520 (B/W)
	Signal System	NTSC / PAL
	Min. Illumination	0.2Lux / F1.6 (Color) 0.02Lux / F1.6 (B/W)
	White Balance	Auto / ATW / Indoor / Outdoor
	AGC	Auto / Manual
	S/N Ratio	Better than 50dB
	BLC	ON / OFF
	Electronic Shutter	N: 1/60~1/120,000s P: 1/50~1/120,000s
	Day & Night	ICR
	Digital Zoom	---
	Auto Focus	Auto / Manual
Lens	Focal Length	3.84-88.4mm, 23x zoom
	Zoom Speed	Approx. 5.4sec (Optical WIDE-TELE )
	Angular of View	52.2 degree (WIDE end) to 2.36 degree (TELE end)
	Min. Working Distance	1200mm (TELE end)
	Aperture Range	F1.6-F3.2
Pan and Tilt	Pan Range	360° endless
	Pan Speed	Manual: approx. 0.2°/s-75°/s Preset: up to approx. 75°/s
	Tilt Range	0°~90°
	Tilt Speed	Manual: approx. 0.2°-50°/s

		Preset: up to approx. 50°/s
	Proportional Pan/Tilt Control	YES
	Number of Presets	104
	Auto Mode	OFF / Preset 1-3 / Patrol 1 / Auto Scan 1
	Patrol	.1 / 2 / 3
	Parameter Restore	Go to the speed dome last status after reboot
	Park Action	Trigger Action: Preset / Patrol / Auto Scan, after a defined time of inactivity
<b>Monitor Output</b>	Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
<b>General</b>	RS-485 Protocols	HIKVISION, PELCO-P, PELCO-D (addible), self-adaptive
	Power Supply	24VAC (12VDC option)
	Power Consumption	12W (50W Heater ON, Except indoor dome)
	Working Temperature / Humidity	.-30°C ~ 60°C (outdoor) / -10°C ~ 50°C (indoor) 90% or less (without condensation)
	Water and Dust Resistance	IP66 standard compatible (Just for Outdoor dome), TVS 3000V limited lightning protection
	Dimensions	6 inch, Φ243 (mm)×287 (mm)
	Weight (approx.)	5kg

## 3. Dimension

