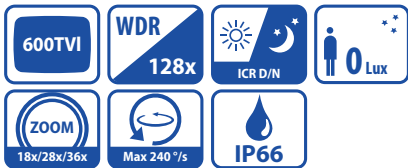


DH-SD6963/6965/6966E-H

18x/28x/36x 600TVL WDR All-Weather IR PTZ Dome Camera



Model

- DH-SD6963E-H: 18x optical zoom, 600TVL, WDR, IR, IP66
- DH-SD6965E-H: 28x optical zoom, 600TVL, WDR, IR, IP66
- DH-SD6966E-H: 36x optical zoom, 600TVL, WDR, IR, IP66

Features

Camera

- 1/4" Progressive Scan EXview HAD CCD
- High resolution of 600TVL (Color), 650TVL (B/W)
- Super low minimum illumination at Color & B/W
- Powerful 18x/28x/36x optical zoom and 12x digital zoom
- WDR, Day/Night (ICR), DNR (3D/2D), Auto iris, Auto focus, AE, AWB, AGC, BLC
- Up to 24 privacy masking areas

Dome Drive

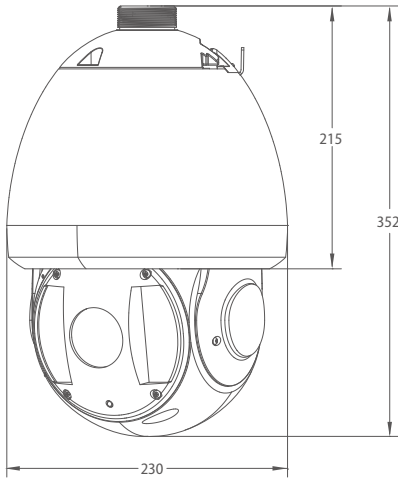
- Max 240°/s pan speed, 360° continuous pan rotation & auto flip with no blind spot monitor
- Up to 255 preset, 5 auto scan, 8 tour, 5 pattern
- Auto recognition of general protocols such as DH-SD, Pelco-P/D, and etc

- Speed setup according to the focal distance, auto rotation speed adjust in accordance with the lens zoom rate
- Auto restore to previous PTZ and lens status after power failure
- Time Task: Auto activation of Preset/Scan/Tour/ Pattern by preset-time
- Idle Motion: Call preset/tour and etc operations after idle for the specified time (including the idle status after the system boots up)
- OSD and operation prompts of various languages
- Build-in 7/2 channel alarm input/output
- Intelligent 3D positioning function
- IP66 all-environments protection, 4000V thunder-proof
- Easy installation with user-friendly designs

IR Lamp

- The longest distance of the build-in IR lamp is over 100m

Dimensions (mm)



Specifications

Model	DH-SD6963E-H		DH-SD6965E-H		DH-SD6966E-H	
Camera						
Image Sensor	1/4" EXview HAD CCD (Progressive Scan)					
Effective Pixels	PAL: 752(H) x 582(V), NTSC: 768(H) x 494(V)					
Lens	18x optical zoom		28x optical zoom		36x optical zoom	
	f=4.1mm(wide) ~ 73.8mm(tele), F1.4 ~ F3.0		f=3.5mm(wide) ~ 98.0mm(tele), F1.35 ~ F3.7		f=3.4mm(wide) ~ 122.4mm(tele), F1.6 ~ F4.5	
Digital Zoom	12x					
Horizontal Viewing Angle	48°(wide) ~ 2.8°(tele)		55.8°(wide) ~ 2.1°(tele)		57.8°(wide) ~ 1.7°(tele)	
Min. Object Distance	10mm(wide) ~ 800mm(Tele)		10mm(wide) ~ 1500mm(Tele)		10mm(wide) ~ 1500mm(Tele)	
Horizontal Resolution	600TVL(Color), 650TVL(B/W)					
Min. Illumination	0.7 lux (F1.4, 50IRE)		0.65 lux (F1.35, 50IRE)		1.4 lux (F1.6, 50IRE)	
	0.04 lux/Color		0.04 lux/Color		0.1 lux/Color	
	0.01 lux/B/W, (1/3,1/4 sec)		0.005 lux/B/W, (1/3,1/4 sec)		0.01 lux/B/W, (1/3,1/4 sec)	
Electronic Shutter	PAL: 1/3 ~ 1/10000 sec (20 steps), NTSC: 1/4 ~ 1/10000 sec (20 steps)					
Gain	Auto/Manual/Max. Gain Limit (-3 dB to +28 dB, 2 dB steps)					
Exposure Control	Auto, Manual, Priority mode (shutter priority & iris priority), Bright, EV compensation, Slow AE					
WDR	ON/OFF/Auto					
Day/Night	ON/OFF/Auto (ICR)					
3D Noise Reduction	ON/OFF					
BLC	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	More than 50 dB					
Privacy Masking	ON/OFF (up to 24 privacy masking areas)					
Video Output	BNC(1.0Vp-p / 75Ω), PAL / NTSC					
Dome Drive						
Pan/Tilt Range	Horizontal: 0°~360° endless, Vertical: -2°~90° auto flip 180° to continue monitor					
Manual Control Speed	Horizontal: 0.1° ~160° /s, Vertical: 0.1° ~120° /s					
Preset Speed	Horizontal: 240° /s, Vertical: 200° /s					
Preset	255					
PTZ Mode	5 Auto Pattern, 8 Auto Tour, 5 auto scan					
3D Positioning	Yes					
Speed Setup	Human-oriented focal Length/ speed adaptation					
Info Display	Time, Location, Dome title, Dome coordinates, Temperature, Alarm, and etc.					
Power up Action	Auto restore to previous PTZ and lens status after power failure					
Idle Motion	Activate preset/scan/tour/ patter 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/Alarm output					
Protocol	DH-SD, Pelco-P/D, Auto recognition of general protocols					
Remote Upgrade	Yes, RS485					
IR LED	Auto / Near light / Far light / OFF, 6 Near light + 8 Far light, up to 100m					
General						
Power Supply	AC 24V/3A (±10%)					
Power Consumption	12W/30W(IR lamp on)					
Working Temperature	-20°C ~ 60°C					
Working Humidity	<90%					
Protection Level	IP66, 4000V thunder, surge and wave protection					
Dimension	Φ230(mm) x 352(mm)					
Weight	7.0kg					