HIKVISION

DS-2DT6223-AELY
2.0 MP Anti-Corrosion Network PTZ Camera

DARKFIGHTER

smart PTZ

Hikvision Anti-Corrosion series DS-2DT6223-AELY smart PTZ Cameras is able to effectively avoid acidic and neutral salt fog corrosion. DS-2DT6223-AELY is also able to capture high quality colored images in dim light environment with its low illumination level down to 0.002 lux (color). The embedded 1/1.9" progressive scan CMOS chip makes the true WDR (120dB) and 2.0 MP real-time resolution possible. With the 23× optical zoom day/night lens, the camera offers more details over an expansive area.

The Anti-Corrosion PTZ camera features a wide range of smart functions, including face detection, intrusion detection, line crossing detection and audio exception, benefitting users with a great improvement on security efficiency. These features, combined with smart tracking, enable the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault. Smart Defog and EIS (Electronic Image Stabilization) are further supported to improve the image quality in challenging conditions.

Key Features

- Anti-corrosion stainless steel, avoids acidic and neutral salt fog corrosion
- 1/1.9" progressive scan CMOS
- 2.0 MP (1920 × 1080) full HD
- 23× optical zoom
- Ultra-low illumination
- 120 dB true WDR
- 316L stainless steel
- C5-M, NEMA 4× anti-corrosion standard
- IP67 standard
- Smart tracking, smart detection, EIS, defog
- Hi-PoE/24 VAC power supply

DARKFIGHTER

Function Description

Basic Function:

- Anti-corrosion stainless steel, avoids acidic and neutral salt fog corrosion
- C5-M, NEMA 4X anti-corrosion standard
- IP67 standard
- High performance CMOS, up to 1920 × 1080 resolution
- ±0.1° Preset Accuracy
- ONVIF (Open Network Video Interface Forum), CGI (Common Gateway Interface), PSIA (Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D positioning
- 3D DNR
- 7 alarm inputs, and 2 alarm outputs
- Scheduled PTZ movement

Smart Function:

- Smart tracking modes: manual/panorama/intrusion trigger/line crossing trigger/region entrance trigger/region exiting trigger
- Smart detection: face detection, intrusion detection, line crossing detection, audio exception detection, region entrance detection, region exiting detection
- Smart recording: edge recording, dual-VCA for smart search in smart NVR
- Smart image processing: defog, HLC, EIS
- Smart code: low bit rate, ROI

Camera Function:

- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: Min. Illumination: 0.002 lux @ (F1.5, AGC ON)(Color), 0.0002 lux @ (F1.5, AGC ON)(B/W).

- Privacy mask with multiple colors and mosaics on polygonal areas

PTZ Function:

- 360° endless pan range and -20° to 90° tilt range
- 540°/s Pan Preset Speed and, 400°/s Tilt Preset Speed
- 0.1° to 300°/s manual pan speed and 0.1° to 240°/s manual tilt speed
- 300 programmable presets and able to freeze preset image
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the recording time not less than 10 minutes per pattern
- Proportional zoom function
- Park action: auto call up of PTZ movement, after a defined time of inactivity
- Power-off memory: restore PTZ & Lens status after reboot

Network Function:

- H.264/MJPEG/MPEG4 video compression
- H.264 encoding with Baseline, Main and High profiles
- ROI (Region of Interest) encoding (support 24 areas with adjustable levels)
- Built-in Web server
- Onboard storage, up to 128 GB
- Supports up to 8 NAS storage, and edge recording (transmit the videos from SD card to the NAS after network resumed)
- HTTPS encryption and IEEE 802.1X port-based network access control
- Supports three streams
- Multiple network protocols are supported: IPv4/Ipv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- 1 audio input, and 1 audio output

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DARKFIGHTER

Model	DS-2DT6223-AELY
Camera Module	
Image Sensor	1/1.9" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), B/W: 0.0002Lux @ (F1.5, AGC ON)
Max. Image Resolution	1920 × 1080
Focal Length	5.9 to 135.7 mm, 23x
Digital Zoom	16×
Zoom Speed	Approx. 4.4s (Optical Wide-Tele)
Field of View	59.8° to 3.0° (Wide-Tele)
Working Distance	10 to 1500 mm (Wide-Tele)
Aperture Range	F1.5 to F3.4
Focus Mode	Auto/Semi-Auto/Manual
WDR	120 dB
S/N Ratio	≥ 55dB
Shutter Time	50Hz: 1 to 1/30,000s; 60Hz: 1 to 1/30,000s
AGC	Auto/Manual
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	24 programmable privacy masks; optional multiple colors and mosaics
Enhancement	3D DNR, EIS, Defog, HLC/BLC, SVC
Pan and Tilt	
Range	Pan:360° endless; Tilt: -20° to 90° (auto flip)
Speed	Pan Manual Speed: 0.1° to 300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1° to 240°/s, Tilt Preset Speed: 400°/s
Preset No.	300
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park Action	Preset/Patrol/Pattern/Auto scan/Tilt scan/Random scan/Frame scan/Panorama scan
Scheduled Task	Preset/Patrol/Pattern/Auto scan/Tilt scan/Random scan/Frame scan/Panorama scan/Dome reboot/Dome adjust/Aux output
Smart Feature	
Smart Tracking	Manual/Panorama/Intrusion trigger/Line crossing trigger/Region entrance trigger/Region exiting trigger; smart tracking when patrol between multiple scenarios
Smart Detection	Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
ROI Encoding	Support 24 areas with adjustable levels

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Alarm	
Alarm I/O	7/2
Alarm Trigger	Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client

Input/Output	
Monitor Output	1.0 V [p-p]/75 Ω, NTSC (or PAL) composite, BNC
Audio Input	1 Mic in/Line in interface, line input: 2-2.4 V [p-p]; output impedance: 1 KΩ, ±10%
Audio Output	1 Audio output interface, line level, impedance: 600 Ω

Network	
Ethernet	10Base-T/100Base-TX, RJ45 connector
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 352 × 288, 176 × 144); 60Hz: 30fps (704 × 480, 352 × 240, 176 × 120)
Third Stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 352 × 288, 176 × 144) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 352 × 240, 176 × 120)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline, Main, and High profiles
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Memory Card	Up to 128 GB Micro SD/SDHC/SDXC card , and supports edge recording
User/Host Level	Up to 32 users, 3 Levels: Administrator, Operator, and User
Security Measures	User authentication (ID and PW), host authentication (MAC address), IP address filtering

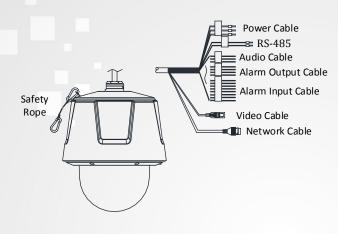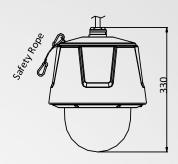| System Integration	
Application Programming	Open-ended API, supports ONVIF, PSIA , CGI and Genetec
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, supports multi-language
RS-485 Protocols	HIKVISION, Pelco-P, Pelco-D, self-adaptive
Power	Hi-PoE & 24 VAC, Max.60W
Working Temperature	-40° C to 65° C (-40° F to 149° F)
Humidity	90% or less
Anti-Corrosion Standard	C5-M, NEMA 4X
Protection Level	IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1
Dimensions	Φ262 mm × 330 mm (Φ10.3" × 13.0")
Weight (approx.)	Approx.: 10 kg (22 lb.)

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DARKFIGHTER

Dimension

Safety Rope

Power Cable
RS-485
Audio Cable
Alarm Output Cable
Alarm Input Cable
Video Cable
Network Cable

Safety Rope

330

Φ 262

Unit: mm

Junction Box

Unit: mm

364

256

238

Application (Optional)

DS-1697ZJ

Wall Mounting

DS-1696ZJ

Pendant Mounting

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