# DP-22DY5223IW-AE
## 2MP 23X Ultra-low illumination IR Positioning System Lite

**DARKFIGHTER**

HD | WDR | Intelligent Positioning | Ultra Low Light | IR

SD | 3D DNR

Dunlop darkfighter series DP-22DY5223IW-AE Network IR Positioning System Lite is able to capture high quality images in dim light environment. Embedded with 1/1.9'' progressive scan CMOS chip makes true WDR and 2MP real-time resolution possible. With the 23X optical zoom Day/Night lens, the positioning system offers more details over expansive areas.

Dunlop darkfighter series DP-22DY5223IW-AE Network IR Positioning System Lite also features Smart Defog and EIS (Electronic Image Stabilization), which can further supported to improve image quality in challenging conditions.

## Key Features

- 2MP, 1920 x 1080
- 23X optical zoom, 16X digital zoom
- Ultra-low illumination (0.002Lux/F1.5(color),
- 0.0002Lux/F1.5(black), 0 Lux with IR)
- Low bit rate, true WDR, Defog, Smart IR
- 3D intelligent positioning
- Power-off memory, proportional zoom
- Analog/Network dual output
- Support Wiper
- Up to 150m IR distance
- Support Hi-PoE

## Function Description

**Basic function:**
- High performance CMOS, up to 1920x1080 resolution
- ± 0.1° Preset Accuracy
- ONVIF(OpenNetwork Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- 3D DNR
- IP66 standard
- 7 alarm inputs and 2 alarm outputs
- Support Hi-PoE

**Smart function:**
- Smart image processing: support defog, HLC/BLC
- Smart codec: low bit rate, ROI
- Smart detection: support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection

**Camera function:**
- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: Color : 0.002Lux @ (F1.5, AGC ON), B/W : 0.0002Lux @(F1.5, AGC ON)
- Support 24 privacy masks

**PTZ function:**
- 360° endless pan range and -90° ~ 90° tilt range
- 0.1° ~ 200°/s Manual Pan Speed and 0.1° ~ 50°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 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 video compression
- H.264 encoding with Baseline/Main/High profile
- ROI(Region of Interest) encoding(support 2 areas with adjustable levels)
- Built-in Web server
- Onboard storage, up to 128GB
- Support up to 8 NAS storage; 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
- Support trip-streams
- Multiple network protocols 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

# DP-22DY5223IW-AE
## 2MP 23X Ultra-low illumination IR Positioning System Lite

**DARKFIGHTER**

| Model | DP-22DY5223IW-AE |
|---|---|
| **Camera Module** | |
| Image Sensor | 1/1.9'' Progressive Scan CMOS |
| Max. Image Resolution | 1920 X 1080 |
| Min. Illumination | Color：0.002Lux @ (F1.5, AGC ON)<br>B/W：0.0002Lux @(F1.5, AGC ON) |
| Day & Night | ICR |
| Focus Mode | Auto / Semiautomatic / Manual |
| Shutter Time | 1/1-1/10,000s |
| S / N Ratio | >52dB |
| Digital Zoom | 16X |
| White Balance | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp |
| AGC | Auto / Manual |
| **Lens** | |
| Focal Length | 5.9-135.7mm, 23X |
| Angle of View | 59.8° -3.0° (Wide-Tele) |
| Min. Working Distance | 10-1500mm(Wide-Tele) |
| Aperture Range | F1.5-F3.4 |
| **Image** | |
| Main Stream | 50Hz:25fps(1920× 1080), 25fps(1280× 720)<br>60Hz:30fps(1920× 1080), 30fps(1280× 720) |
| Sub Stream | 50Hz:25fps(704× 576), 25fps(352× 288), 25fps(176× 144)<br>60Hz:30fps(704× 480), 30fps(352× 240), 30fps(176× 120) |
| Image Compression | H.264(Baseline, Main, High Profile)/MJPEG |
| Audio Compression | G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM |
| SVC | Support |
| Protocols | IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE |
| Standard | ONVIF, PSIA, CGI, Genetec |
| Others | Defog, EIS, Privacy Mask, 3D DNR, BLC, true WDR |
| **Smart Features** | |
| Smart detection | Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection |
| ROI encoding | Support 12 areas with adjustable levels |
| **Infrared** | |
| IR Distance | Up to 150m |
| IR Intensity | Automatically adjusted, depending on the zoom ratio |
| **Pan and Tilt** | |
| Movement Range | Pan: 360° endless, Tilt: +90° ～-90° |
| Movement Speed | Pan: 0.1° -200° /s, Tilt: 0.1° -50° /s |
| Number of Preset | 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 | Support |

# DP-22DY5223IW-AE
# 2MP 23X Ultra-low illumination
# IR Positioning System Lite

**DARK FIGHTER**

| | |
|---|---|
| Proportional Zoom | Support |
| PTZ Position Display | On / Off |
| Simultaneous Live View | Up to 20 users |
| **System Integration** | |
| Menu | English |
| 3D Positioning | Support |
| Preset Freezing | Support |
| Scheduled Task | Support |
| Alarm I/O | 7 alarm inputs, 2 alarm outputs |
| Ethernet | 1 RJ45 10M/100M Ethernet interface |
| CVBS Output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC |
| RS485 | Half duplex, HIKVISION, Pelco-P, Pelco-D, self-AI2daptive |
| Onboard Storage | Built-in Micro SD/SDXC card slot, up to 128GB, manual/alarm recording, ANR |
| Number of Simultaneous Live View | Up to 20 |
| User/Host Level | Up to 32 users,3 Levels: Administrator, Operator and User |
| **General** | |
| Power | Hi-PoE&24 VAC, Max. 45W |
| Working Temperature/Humidity | -40° C ~ 65° C, humidity 90% or less |
| Protection Level | IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection |
| Dimensions(mm) | 306× 167× 212 |
| Weight(approx.) | 7.8kg |

## Dimensions



Unit:mm