

# DS-I225(D)

DS-I225(D) 4.8-120mm 2mp Optical Zoom 25X IR 100m IP PTZ Kamera HiWatch



## Specifications

Model	DS-I225(D)
Brand	Hiwatch
??qland?rma	IR
Material	Metal
Növ	IP
Meqapixel	2 MP
Obyektiv	PTZ
??qland?rma m?saf?si	100m
Qoruma	IP66
?? mühiti	Outdoor

## KEY FEATURES

## Camera

Matrix	1/2.8" Progressive Scan CMOS
Maximum resolution	1920×1080
Sensitivity	Colour: 0.005 lux @ (F1.6, AGC on), B&W: 0.001 lux @ (F1.6, AGC on), 0 lux with IR
Slow shutter support	Eat
Day/night mode	IR filter
Zoom	25 × optical, 16 × digital
Focusing	Automatic, semi-automatic, manual
Aperture	Max. F1.6
Zoom speed	Approx. 3.6 s
Focal length	From 4.8 to 120 mm, 25 × optical
Viewing angle	Horizontal: 57.6 to 2.5° (Wide-Tele), Vertical: 34.4 to 1.4° (Wide-Tele), Diagonal: 64.5 to 2.9° (Wide-Tele)
Backlight type	IR illumination
Additional backlight range	IR illumination range up to 100 m
Proportional Panning	Eat
Actions during downtime	Preset / Patterns / Patrol / Auto Scan / Vertical Scan / Random Scan / Frame Scan / Panoramic Scan
Scheduled tasks	Preset/patterns/patrol/auto scan/vertical scan/random scan/frame scan/panoramic scan/reboot/initialize/sub screen output
Turn	360°
Incline	-15 to +90° (auto-rotate)
Turning speed	Rotation speed: adjustable, from 0.1 to 80 °/s; by preset: 80 °/s
Tilt speed	Tilt speed: adjustable, from 0.1 to 80 °/s; by preset: 80 °/s
Presets	300
Patrolling	8 patrols, up to 32 presets each
Templates	4 templates
Power-off position memory	Yes
3D positioning	Yes
Display PTZ position	Yes
Freeze frame when switching to preset	Yes
Video compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265 / H.264 / MJPEG Third stream: H.265 / H.264 / MJPEG
Region of interest (ROI)	8 fixed areas per thread
Main thread	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)

<b>Additional stream</b>	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
<b>Third stream</b>	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
<b>Video bitrate</b>	From 32 to 16384 Kbps
<b>H.264 profile</b>	Baseline Profile/Main Profile/High Profile
<b>H.265 profile</b>	Main Profile
<b>S.V.C.</b>	Main Profile
<b>ROI</b>	H.264 and H.265 encoding
<b>Audio compression</b>	G.711 / G.722.1 / G.726 / MP2L2 / PCM
<b>Audio bitrate</b>	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2)
<b>Sampling frequency</b>	8 kHz/ 16 kHz/ 32 kHz/ 48 kHz
<b>Environmental Noise Filter</b>	Yes
<b>Network storage</b>	NAS (NFS, SMB/CIFS), ANR
<b>Protocols</b>	IPv4 / IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP / IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
<b>API</b>	Open network video interface (version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
<b>Simultaneous real-time viewing</b>	Up to 20 channels
<b>User/Host</b>	Up to 32 users, 3 user levels: administrator, operator, user
<b>Safety</b>	Password protection, strong password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermarking, IP address filtering, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for HTTP/HTTPS, RTP/RTSP over HTTPS, Timeout Management Settings, Security Audit Log, TLS 1.2, TLS 1.3, Host Authentication (MAC Address)
<b>Client</b>	iVMS-4200, HikCentral Pro, Hik-Connect
<b>Web interface</b>	Chrome 57.0+, Firefox 52.0+, Safari 11+, IE11
<b>Picture Options Switch</b>	Yes
<b>Image Settings</b>	Saturation, brightness, contrast, sharpness and white balance are adjustable via client software or web interface
<b>Day/Night mode switching</b>	Day / Night / Automatic / Scheduled
<b>Wide Dynamic Range (WDR)</b>	120 dB
<b>SNR</b>	more than 52 dB
<b>Anti-fog</b>	Digital anti-fog
<b>Image enhancement</b>	BLC, HLC, 3D DNR
<b>Masking an area</b>	24 custom polygonal area masks, custom colors and location of area masks
<b>Focus on area</b>	Yes
<b>Exposition area</b>	Yes
<b>Ethernet interface</b>	1 RJ45 auto 10/100M Ethernet port
<b>Local storage</b>	Built-in Micro SD/SDHC/SDXC card slot, up to 256GB
<b>Anxiety</b>	© 2026 Hiwatch. All rights reserved.   Eurotechnology 1 input, 1 output
<b>Audio</b>	