

# DS-I215(D)

DS-I215(D) 5-75mm 2mp Optical Zoom 15X IR 100m IP PTZ Kamera HiWatch



Model	DS-I215(D)
Brend	Hiwatch
Növ	IP
Meqapixel	2 MP
Obyektiv	PTZ
İşıqlandırma	İR
İşıqlandırma məsafəsi	100m
Qoruma	IP66
Material	Metal

## Specification

### Camera

Matrix	1/2.8" Progressive Scan CMOS
Sensitivity	Color: 0.005lux@(F1.6,AGC on), B/W: 0.001lux@(F1.6,AGC on), 0lux with IR
Electronic shutter speed	From 1/1 to 1/30000 s
Slow shutter support	Eat
Day/Night mode	IR filter
Zoom	15 × optical zoom, 16 × digital zoom
Maximum resolution	1920×1080

### Lens

Focusing	Automatic, semi-automatic, manual
Focal length	From 5 to 75 mm
Zoom speed	Approx. 2.3 s
Viewing angle	Horizontal: 57.6 to 4° (Wide-Tele), Vertical: 34.4 to 2.2° (Wide-Tele), Diagonal: 64.5 to 4.6° (Wide-Tele)
Aperture	Max. F1.6

### Backlight

Backlight type	IR illumination
Additional backlight range	IR illumination range up to 100 m

### PTZ

Turning range	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
Proportional Panning	Eat

Presets	300
Patrolling	8 patrols, up to 32 presets each
Templates	4 templates
Power-off position memory	Eat
Actions during downtime	Preset / Patterns / Patrol / Auto Scan / Vertical Scan / Random Scan / Frame Scan / Panoramic Scan
3D positioning	Eat
Display PTZ position	Eat
Freeze frame when switching to preset	Eat
Scheduled tasks	Preset/patterns/patrol/auto scan/vertical scan/random scan/frame scan/panoramic scan/reboot/initialize/sub screen output

Video

Main thread	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Additional stream	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third stream	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)
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
Video bitrate	From 32 to 16384 Kbps
H.264 profile	Baseline profile / Main profile / High profile
H.265 profile	Main Profile
S.V.C.	H.264 and H.265 encoding
Region of interest (ROI)	8 fixed areas per thread

Audio

Audio compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM
Audio bitrate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2)
Sampling frequency	8 kHz / 16 kHz / 32 kHz / 48 kHz
Environmental noise filtering	Eat

Net

Network storage	NAS (NFS, SMB/CIFS), ANR
Protocols	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
API	Open network video interface (version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Simultaneous real-time viewing	Up to 20 channels
User/host	Up to 32 users, 3 user levels: administrator, operator, user
Smooth Streaming	Eat
Safety	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)
Client	iVMS-4200, HikCentral Pro, Hik-Connect
Web interface	Chrome 57.0+, Firefox 52.0+, Safari 11+, IE11

Image

Picture Options Switch	Eat
Day/Night mode switching	Day / Night / Automatic / Scheduled
Image enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Anti-fog	Digital anti-fog
Exposition area	Eat
Focus on area	Eat
Image Settings	Saturation, brightness, contrast, sharpness and white balance are adjustable via client software or web interface

Masking an area	24 custom polygonal area masks, custom colors and location of area masks
SNR	>52 dB

## Interface

Ethernet interface	1 RJ45 auto 10/100M Ethernet port
Local storage	Built-in Micro SD/SDHC/SDXC card slot, up to 256GB
Anxiety	1 input, 1 output
Audio	1 input (line), max. input signal amplitude: from 2 to 2.4 V pp, input resistance: 1 kOhm $\pm$ 10%; 1 output (line), output impedance: 600 Ohm
Reset	Eat

## By event

Main events	Motion detection, tamper detector, alarm input and output
Smart Events	Line crossing detection, intrusion detection, area entry/exit detection, abandoned luggage detection, object movement detection, sound event detection
Alarm binding	Alarm actions: preset, patrol, alarm recording, send Email, notify monitoring center, upload to FTP/memory card/NAS, etc.

## Features based on deep learning algorithm

Face capture	Simultaneous detection of up to 5 faces. Supports detection, capture, evaluation, selection of faces in motion and output of the highest quality face image
Perimeter protection	Line crossing, intrusion detection, area entry/exit detection Alarm triggering for various types of objects ("Person", "Vehicle")

## Basics

Anti-fog	Eat
Nutrition	DC 12 V, max. 18 W incl. max. 1.6 W for heating and 9 W for IR illumination; PoE (802.3 at)
Working conditions	-40 to +65 °C, humidity 90% or less (non-condensing)
Material	ADC12
Dimensions	Ø 165.5 × 290 mm (Ø 6.48 × 11.42")
Weight	Approx. 2 kg

## Certificates

EMC Standards	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 + A1: 2014); RCM (AS/NZS CISPR 32:2015); IC (ICES-003: issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety Standards	UL (UL 62368-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 62368-1:2014 + A11:2017); BIS (IS 13252 (Part 1):2010 + A1:2013 + A2:2015); LOA (IEC/EN 60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection Standards	IP66 (IEC 60529-2013), lightning protection TVS 6000 V, surge and transient overvoltage protection