



Camera

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| Image Sensor: | 2/3" progressive scan CMOS |
| Effective Pixels: | 4096x2160 |
| Signal System: | PAL/NTSC |
| Minimum Illumination: | Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) |
| White Balance: | Auto/Manual/ATW (Auto-Tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp |
| AGC: | Auto/Manual |
| BLC: | ON/OFF |
| HLC: | Support |
| Smart defog: | Support |
| WDR: | DWDR |
| Shutter Time: | 50Hz: 1/1-1/30,000s 60Hz: 1/1-1/30,000s |
| Day& Night: | ICR |
| Digital Zoom: | 16X |
| Privacy Masking: | 24 privacy masks programmable; optional multiple colors and mosaics |
| Auto Focus: | Auto / Semi-automatic / Manual |
| Rapid Focus: | Support |

Lens

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| Focal Length: | 7.5 mm to 270 mm, 36x optical zoom |
| Zoom Speed: | Approx.7.8s(Optical Wide-Tele) |
| Angle of View: | Horizontal field of view: 56.1° to 2.0° (wide-tele) Vertical field of view: 33.4° to 1.1° (wide-tele) Diagonal field of view: 62.9° to 2.3° (wide-tele) |
| Minimum Working Distance: | 10-1500mm(Wide-Tele) |
| Aperture Range: | F1.5 to F4.5 |

Pan & Tilt

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| Pan Range: | 360°endless |
| Pan Speed: | Configurable, from 0.1°/s to 350°/s, preset speed: 540°/s |
| Tilt Range: | -20°~90°(Auto Flip) |
| Tilt Speed: | Pan Manual Speed: 0.1° -240°/s, Pan Preset Speed: 400°/s |
| Proportional Zoom: | Rotation speed can be adjusted automatically according to zoom multiples |

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| 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 |
| Power-off Memory: | Support |
| Park Action: | Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan |
| PTZ Position Display: | ON/OFF |
| Smart-tracking: | Manual Tracking, Auto Tracking (support tracking specified target types such as human and vehicle), Event Tracking |

Alarm

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| Alarm Input: | 7 Inputs |
| Alarm Output: | 2 |
| Alarm Actions: | Preset, patrol, pattern, SD/SDHC card recording, relay output, notification on client |

Input & Output

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| Monitor Output: | 1.0Vp-p / 75Ω, NTSC (or PAL) composite, BNC |
| Audio Input: | Audio input (LINE input), 2-2.4Vp-p; output impedance: 1KΩ, ±10% |
| Audio Output: | Line level, impedance: 600Ω |

Network

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| Ethernet: | 10Base-T, /100Base-TX, RJ45 Connector |
| Max.Image Resolution: | 4096 × 2160 |
| Main Stream: | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (4096 × 2160, 3840 × 2160, 3072 × 1728, 2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub Stream: | 50Hz: 25fps(704×576), 25fps (352×288), 25fps (176×144) 60Hz: 30fps(704×480), 30fps (352×240), 30fps (176×120) |
| 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 |
| ROI encoding: | Support 24 areas with adjustable levels |
| Audio Compression: | G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM |
| No. of Simultaneous Users: | Up to 20 users |
| Three-Stream: | Support |
| Mini SD Card: | Built-in memory card slot, support Micro SD/SDHC/SDXC, up to 256 GB |
| Security Measures: | User authentication (ID and PW), Host authentication (MAC address) IP address filtering |

Client GUI

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Camera Control: Pan/Tilt, Zoom, Focus, Click centering, Zoom by mouse dragging, Iris, preset calling and programming, auto mode

Date & Time Display: Time: Week: Date, 6 formats on the Client

Client: iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect

Web Browser: IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51

General

RS-485 Protocols: HIKVISION, Pelco-P, Pelco-D, self-adaptive

Menu Language: English

Power Supply: 24 VAC & Hi-PoE

Power Consumption: 24 VAC (Max. 60 W)
Hi-PoE (Max. 50 W)

Working Temperature/Humidity: Outdoor: -40°C to 65°C (-40°F to 149°F)

Protection Level: IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection

Material: Aluminum alloy

Dimensions: Φ 231.1 mm \times 355.6 mm (Φ 9.10" \times 14")

Weight (approx.): Approx. 6 kg (13.23 lb)