

# IK-EXB485530

5MP 30x Explosion-proof Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS, up to 5MP (2592 × 1944) @ 25/30 fps
- 30x optical zoom, 16x digital zoom
- Supports face, human, and vehicle detection with snapshot capture
- Supports human and vehicle attribute analysis
- Intelligent analytics: Intrusion, smart motion detection, line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, smoke and flame detection, and people counting.
- True WDR, 3D DNR, ICR, Defog, and DIS
- Material: 316L Stainless steel, IP68 water resistant, built-in wiper
- ATEX: II 2 G Ex db IIC T6 Gb, Ex II 2 D Ex tb IIIC T80°C Db

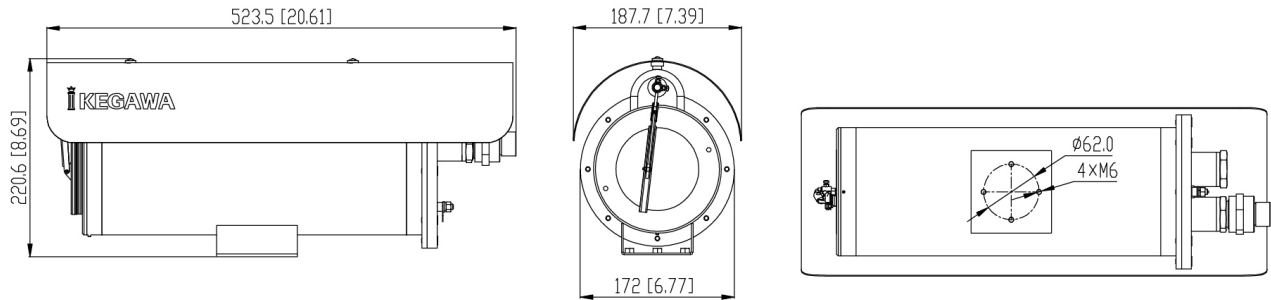
## Specifications

| Camera                    |                                                                                                                                                                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor              | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                                                                                                                         |
| Max Resolution            | 5MP (2592 × 1944)                                                                                                                                                                                                                                                                                                    |
| Shutter Speed             | 1/5 to 1/100,000s                                                                                                                                                                                                                                                                                                    |
| Min Illumination          | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON)                                                                                                                                                                                                                                                   |
| Day & Night               | Auto (ICR)                                                                                                                                                                                                                                                                                                           |
| S/N Ratio                 | 55 dB                                                                                                                                                                                                                                                                                                                |
| Lens                      |                                                                                                                                                                                                                                                                                                                      |
| Focal Length              | 5.3–159 mm                                                                                                                                                                                                                                                                                                           |
| Max. Aperture             | F1.6–F4.4                                                                                                                                                                                                                                                                                                            |
| Field of View (FOV)       | H: 56.8°–2.6°, V: 42.7°–2.0°                                                                                                                                                                                                                                                                                         |
| Optical Zoom              | 30×                                                                                                                                                                                                                                                                                                                  |
| Digital Zoom              | 16×                                                                                                                                                                                                                                                                                                                  |
| Iris                      | Auto / Manual                                                                                                                                                                                                                                                                                                        |
| Focus Control             | Auto / Manual                                                                                                                                                                                                                                                                                                        |
| Intelligent Analytics     |                                                                                                                                                                                                                                                                                                                      |
| AI Multi-Target Detection | <ul style="list-style-type: none"> <li>- Supports face, human, and vehicle detection with snapshot capture</li> <li>- Supports human and vehicle attribute analysis</li> <li>- Supports tracking display modes: Full Frame, Four-Corner Frame, and Mosaic</li> </ul>                                                 |
| Attribute Analysis        | Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest.<br>Vehicle Attributes: Type, color, brand, orientation                                                                                                                                |
| Intelligent Analysis      | Intrusion detection, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection.<br>- Supports alarm triggering based on specified target types (human/vehicle) |
| Smoke and Flame Detection | Supported                                                                                                                                                                                                                                                                                                            |
| People Counting           | Supported                                                                                                                                                                                                                                                                                                            |
| Video & Audio             |                                                                                                                                                                                                                                                                                                                      |
| Number of Streams         | 3 Streams                                                                                                                                                                                                                                                                                                            |
| Resolution                | Stream 1: 2592 × 1944, 2592 × 1520, 1920 × 1080, 1280 × 720<br>Stream 2: D1, VGA, CIF<br>Stream 3: VGA, CIF, QVGA                                                                                                                                                                                                    |
| Frame Rate                | Up to 25/30 fps                                                                                                                                                                                                                                                                                                      |
| Bit Rate Control          | CBR/VBR                                                                                                                                                                                                                                                                                                              |

|                                   |                                                                                                                                                   |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Bit Rate                          | Stream 1: 200 Kbps to 12 Mbps<br>Stream 2: 100 Kbps to 6 Mbps<br>Stream 3: 100 Kbps to 3 Mbps                                                     |
| Smart Encoding                    | Supported                                                                                                                                         |
| Region of Interest (ROI)          | Up to 8 zones                                                                                                                                     |
| Audio Compression                 | G.711 A-law, G.711 $\mu$ -law, RAW_PCM                                                                                                            |
| Audio Bit Rate                    | 64 kbps (G.711), 128 kbps (RAW_PCM)                                                                                                               |
| <b>Image</b>                      |                                                                                                                                                   |
| Image Adjustment                  | Brightness, Sharpness, Contrast, Saturation adjustable                                                                                            |
| Scene Mode                        | Indoor, Outdoor, Mirror                                                                                                                           |
| Exposure Mode                     | Auto, Manual, Shutter priority, Iris priority                                                                                                     |
| White Balance                     | Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual                                                                                             |
| Day/Night Setting                 | Auto, Day mode, Night mode, Timer                                                                                                                 |
| Noise Reduction                   | 2D/3D DNR                                                                                                                                         |
| Image Enhancement                 | HLC, BLC, Defog, WDR, Anti-shake                                                                                                                  |
| Wide Dynamic Range                | True WDR (120 dB)                                                                                                                                 |
| Privacy Masking                   | Up to 8 zones                                                                                                                                     |
| <b>Event</b>                      |                                                                                                                                                   |
| Alarm Triggers                    | IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection                                   |
| Event Actions                     | Alarm record, FTP upload, Email notification, Snapshot, Alarm output, Audible alarm output                                                        |
| <b>Network</b>                    |                                                                                                                                                   |
| Protocols                         | IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTP/RTCP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast |
| Application Programming Interface | ONVIF (Profile S/T/G/M), SDK, CGI                                                                                                                 |
| Max Concurrent Streams            | 10 channels                                                                                                                                       |
| User/Host Level                   | 32+ users, 3 levels: Administrator, Operator, Media user                                                                                          |
| Web Viewer                        | Chrome, Firefox, Microsoft Edge, IE11 or earlier                                                                                                  |
| <b>Security</b>                   |                                                                                                                                                   |
| OS / Firmware Protect             | Encrypted firmware, Secure boot, Signed firmware                                                                                                  |
| User Authentication               | Digest authentication, Brute-force attack protection                                                                                              |
| Network Authentication            | IEEE 802.1X (EAP-TLS)                                                                                                                             |
| Secure Communication              | HTTPS, WSS (WebSocket Secure), SRTP                                                                                                               |
| Access Control                    | IP-based access control, Auto logout                                                                                                              |
| Data Protect                      | Encryption credentials                                                                                                                            |
| Audit                             | Access, system, and event logs                                                                                                                    |
| Secure Storage                    | AES-256 encrypted SD card storage                                                                                                                 |

|                                            |                                                                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Supply Chain Security                      | SBOM                                                                                                                                               |
| <b>Interface</b>                           |                                                                                                                                                    |
| Network Interface                          | 1 × RJ45 10/100 Mbps Ethernet port                                                                                                                 |
| Audio Interface                            | 1 input, 1 output                                                                                                                                  |
| Alarm Interface                            | 2 inputs, 1 output                                                                                                                                 |
| RS-485                                     | 1 × RS-485                                                                                                                                         |
| CVBS Output                                | 1 × BNC                                                                                                                                            |
| SD Card Slot                               | Built-in microSD card slot (up to 1 TB)<br>*Memory card must be factory pre-installed and is not field-installable.                                |
| Reset Button                               | Supported                                                                                                                                          |
| <b>General</b>                             |                                                                                                                                                    |
| Language                                   | English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English |
| Power Supply                               | 100–240 VAC                                                                                                                                        |
| Power Consumption                          | ≤ 30 W                                                                                                                                             |
| Operating Temperature                      | –40 °C to 60 °C (–40 °F to 140 °F)                                                                                                                 |
| Operating Humidity                         | ≤ 95% RH (Non-condensing)                                                                                                                          |
| Ingress Protection                         | IP68                                                                                                                                               |
| Wiper                                      | Supported                                                                                                                                          |
| Cable Entry                                | M25 × 1.5                                                                                                                                          |
| Certifications                             | ATEX: II 2GD Ex db IIC T6 Gb / Ex tb IIIC T80°C Db;<br>IECEX: Ex db IIC T6 Gb / Ex tb IIIC T80°C Db                                                |
| Material                                   | SUS316L                                                                                                                                            |
| Dimensions                                 | 523.5 × 187.7 × 220.6 mm (20.61 × 7.39 × 8.69 in)                                                                                                  |
| Net Weight                                 | Approx. 13 kg (28.66 lb)                                                                                                                           |
| <b>DORI Distance (EN 62676-4 standard)</b> |                                                                                                                                                    |
| Detect                                     | 103–3,090 m (337.93–10,137.8 ft)                                                                                                                   |
| Observe                                    | 41.2–1,236 m (135.17–4,055.1 ft)                                                                                                                   |
| Recognize                                  | 20.6–618 m (67.59–2,027.6 ft)                                                                                                                      |
| Identify                                   | 10.3–309 m (33.79–1,013.8 ft)                                                                                                                      |

## Dimensions (mm)

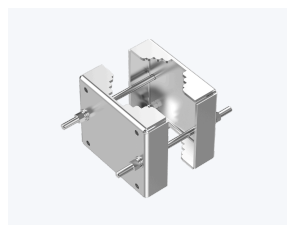


## Accessories

### Optional:



IK-AW401  
Wall Mount Bracket



IK-AP406  
Pole Mount Bracket



IK-ACR407  
Corner Mount Bracket



IK-EXJ200(-F)  
Explosion-proof Junction Box



IK-EXJ150(-N)  
Explosion-proof Junction Box



IK-EXW10L  
Washing Tank