

VMGB-410

2MP LightGuard Automatic License Plate Recognition Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 4.3x



- Automatic License Plate Recognition
- 2 Megapixel
- LightGuard
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Extreme WDR (140dB)
- Super wide angle
- Event trigger, response and notification

► Specifications

Device

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| Product Type | Zoom Bullet |
| Maximum Resolution | 2MP |
| Product Application | Automatic License Plate Recognition |
| Application Environment | Outdoor |
| Description | Wide Angle Camera Built-in Deep learning-based ALPR with working for car speed <60km/h. (Available for cars in Taiwan) |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/1.8 " |
| Day / Night | Yes |
| Low Light Sensitivity | Superior |
| Minimum Illumination | Color: 0.0005 lux at F1.2 (AGC on); B/W: 0 (IR LED on) |
| LightGuard | Yes |
| Mechanical IR Cut Filter | Yes |
| IR LED | Adaptive IR LED (850 nm) |
| IR Working Distance | 50m |
| Electronic Shutter | 1-1/100000 second (auto mode) |
| Number of Traffic Lanes | 2 |

Lens

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| Focal Length | Zoom, f2.8-12mm |
| Aperture | F1.2-F2.5 |
| Zoom Ratio | 4.3x optical zoom |
| Iris | P-Iris |
| Focus | Auto focus |
| Horizontal Viewing Angle | 114.5° - 41.8° |
| Vertical Viewing Angle | 59.3° - 23.6° |

Video

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| Compression | H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 (Baseline/ Main/ High profile), MJPEG |
| Maximum Frame Rate vs. Resolution | 60 fps at 1920 x 1080 30 fps at 1920 x 1080 60 fps at 1280 x 960 60 fps at 1280 x 720 30 fps at 1280 x 720 30 fps at 704 x 480 30 fps at 640 x 480 |
| Multi-Streaming | Simultaneous 5 streams |
| Wide Dynamic Range | Extreme WDR (140 dB) |
| Image Enhancement | White Balance, Saturation, Brightness, Contrast, Sharpness, Automatic gain control, Backlight compensation (BLC), Defogging, Digital Image Stabilizer (DIS, EIS) |
| Digital Noise Reduction | 3D DNR |
| Privacy Mask | Yes |
| Built-in Analytics | Smart Motion Detection, People Detection, Vehicle Detection, Smart Intrusion Protection, Object Metadata, Tampering Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection, Vehicle Counting, License Plate Detection, Automatic License Plate Recognition, Road Traffic Monitoring |

Analytics

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| Camera Object Metadata | Vehicle type, Vehicle color, Vehicle brand, Vehicle direction |
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Network

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| Network Protocol & Service | IPv4/v6, TCP, UDP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, SFTP, IGMP, ICMP, ARP, UPnP, Bonjour, QoS, SNMP, TLS 1.2, IEEE 802.1X |
| Ethernet Port | 1 x Ethernet (10/100/1000 Base-T), RJ-45 connector |
| Security | IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control |

Detection Range

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| Observation Range | Detection: 45m-111.8m Recognition: 9m-60m Identification: 4.5m-30m |
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Event

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| Event Trigger | Video motion detection, External device through digital input, Intelligent event detection, Disk full, Disk not found |
| Event Response | Send E-mail Notification, Save video to storage, Upload snapshot to FTP server, Activate external device through digital output |

System

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| Language | Multi-Language, English, Traditional Chinese |
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Integration

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| ONVIF Compliant | Yes, Profile S, Profile G, Profile T |
| Supported Countries | Taiwan |

Storage

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| Blocklist/Allowlist | up to 10,000 records |
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Interface

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| Analog Video Output | 1 x CVBS, Composite output, for installation only |
| Digital Input/Output | 2/2 |
| Operating Button | Reset Button |


Installation

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| Vehicle Capture Speed | Front-Installation: 120 km/h Side-Installation: 80 km/h |
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General

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| Power Source | DC 12V, PoE Class 4 (IEEE802.3at) |
| Power Consumption | 14.28 W (DC), 16.8 W (PoE) |
| Dimensions | (Ø x L): 144mm x 347mm (5.7" x 13.7") |
| Environmental Casing | Weatherproof (IP67), Vandal proof (IK10) |
| Corrosion Protection | Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years. |
| Heater | Yes |
| Starting Temperature | -35°C ~ 60°C (-31°F ~ 140°F) |
| Operating Temperature | -35°C ~ 60°C (-31°F ~ 140°F) |
| Real-time Clock (RTC) | Yes |
| Warranty | 3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

► Related Products**Power Supply Accessories - Power Adapter**

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| PPBX-0015 |  Power Adapter AC 100~240V (12V/2A Output), with universal connectors for R21CF-xx |
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Power Supply Accessories - PoE Injector

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| PPOE-0107 |  High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952) |
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