

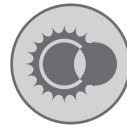
5MP Day & Night Fixed IR IP Turret Camera

V1R4452E2

www.meritlilin.com



5MP



30m LED



AI



Waterproof



120db HDR



Vandalproof

| AI Spec | |
|--------------------------------|---|
| Recognized objects | Support detection of the following types of human postures: standing, running, squatting, moving forward, crawling, climbing, hatted, under umbrella, etc Support the following types of vehicle recognition: bicycle, car, motorbike, bus, truck |
| Results Display | Support conditional display results according to specified objects |
| Behavior Detection | Prohibited Zone : Support triggering an event when specified object(s) enters restricted area Zone with Dwell : Support triggering an event when specified object(s) enters restricted area and stays for a predefined duration of time Tripwire / Traffic Flow : Support triggering an event when specified object(s) crosses the designed line in a predefined direction AI Missing Object Detection : Support triggering an event when specified object(s) has been missing from the set detection zone for a predefined duration of time All Object Detection (AND) : Support triggering an event when all of the specified objects show up within the set detection zone at the same time (based on AND rule) Lack of any Object Detection (NAND) : Support triggering an event when any of the specified objects is not present within the set detection zone (based on NAND rule) |
| Recognition Speed | Support object recognition speed up to 4 frames per second |
| Number of Detectable Objects | Can detect up to 18 objects per frame |
| Video Resolution | Support up to 5M (2880 x 1612) resolution for image capture, 720P resolution is used for recognition |
| Object Filtering | Object Type : Support recognizing specified object, instead of processing all types of objects. Object Size : Support 0~100% adjustable size of object (compared to frame) for classification Object Confidence Level : Support 0~100% adjustable confidence level of object |
| Event Trigger | Support setting trigger by specific behaviors of specified objects Support setting 8 Cold Zones to minimize false alarms and improve the accuracy |
| Detection Time | After an event is triggered by specified object, the next detection will be carried out according to the set detection time (2~30 seconds) |
| Minimum Recognition Resolution | Support recognition of specified object with more than 200 x 200 pixels |
| Detection Zone / Line | Support setting 4 detection zones (about the size of camera FoV) or lines which are influenced by independent filter condition (object size, confidence, dwell, classification and behavior) and to trigger independent events (output) |
| Polygon Detection | Support detection zone which is a polygon that can be freely dragged and that the shape can be modified by 6 draggable anchor points Support detection line which is a line attached to a polygon that the shape can be modified by 4 draggable anchor points. Also, direction of the line can be set by dragging the 4 anchor points or clicking the "Enable direction button" |
| Pixel Count | Support displaying the pixel count of selected object(s) on the web UI |
| Alarm Output | Digital Output: Support triggering digital output of camera Smart Event: Support triggering up to 4 virtual inputs of camera HTTP POST: Support displaying an alarm on LILIN IP LED Panel / Support displaying an alarm on specific channel of LILIN Navigator VMS / Support triggering digital outputs for LILIN I/O Box / Support triggering digital outputs for LILIN NVR / Support triggering HTTP POST to integrate with third-party devices / Support triggering a PTZ camera to go to a preset |
| Heartbeat Checking | Support checking the camera AI operation status and pushing notifications every 1~30 minutes |
| Recording System Integration | Support event search to playback or snapshot on LILIN Navigator VMS and NVR |

| Video Performance | |
|------------------------------------|--|
| Min. Illumination | Color: 0.16 Lux at F2.2 ; B/W: 0.02 Lux at F2.2 ; 0 Lux with IR LED ON |
| Lens / Night Vision (Infrared LED) | |
| Focal Length | 2.8mm |
| Iris | F2.2 |
| Angle of View | 108.9 (H) , 59.6 (V) , 130.4 (D) |
| Iris Control | Fixed IRIS |
| Peak Wavelength | 850nm |
| Radiant Distance | 30M |
| Sensor | |
| Pick Up Element | 1/2.7" CMOS image sensor |
| Effective Pixels | 2880 (H) × 1620(V) = 4,665,600 (Pixels) |
| Light Sensor | Yes |
| Certifications | |
| CE / FCC | Yes, EMI Class A |
| UKCA / RCM | |
| IP Rating | IP67 |
| Vandal Resistant Rating | IK10 (Casing) |
| PC Requirements | |
| CPU | Intel® Core™ i7 or higher grade |
| OS | Windows 7 or above |
| RAM | 8GB or above, Dedicated Graphics Card |
| Web Browser | Microsoft® Internet Explorer® 9 or above, Microsoft® Edge (IE mode) |
| Video Streaming | |
| Video Compression | H.265/HEVC main profile, H.264 main and high profile , Motion JPEG |
| Video Streaming | RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth |
| Number of Streams | 3 |
| Video Bitrate | 128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate |
| Network Security | |
| Encryption | Base64 HTTP encryption, HTTPS encryption |
| Authentication | Digest HTTP authentication, RTSP authentication, DDNS via HTTPS |
| Address Filter | Yes |
| Access | Multiple user access levels with password protection |
| User accounts | 10 user accounts available |
| Multi IP Address | Yes |
| Video Resolutions (H x V) | |
| Resolution | 5MP(2880 x 1616), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240) |
| Maximum Frame Rate | Normal mode: 60Hz: 30 FPS @ 2880 x 1616 50Hz: 25 FPS @ 2880 x 1616 HDR mode: 60Hz: 30 FPS @ 2880 x 1616 50Hz: 25 FPS @ 2880 x 1616 |
| Video Functions | |
| Scanning System | Progressive Scan |
| Infrared Cut Filter | Auto / Day (Color) / Night (Mono) / Schedule |
| White Balance | Auto / Manual |
| Electrical Shutter | 1/30(1/25)s – 1/30000s |
| Sense Up | Off / x2 / x4 / x8 / x16 |
| Sense Up+ | Yes |
| Auto Gain Control | 48 dB Variable Gain |
| S/N Ratio | More than 50dB (AGC off) |
| 3D Noise Reduction | Off / 1 – 32 Selectable |
| 2D WDR | Off / Auto / x2 / x3 / x4 |
| High Dynamic Range | Up to 120dB (by HDR mode, 2 shutter line interleave) |
| Privacy Masking | Off / On (4 zones) |

| Image Effects | Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation, Defog |
|----------------------------|--|
| EV (Exposure Value) | Adjustable |
| Integration | |
| Mobile Application | Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support |
| Video Management | ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API |
| SD Card Recording | Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included) |
| Maintenance | Firmware update via HTTP and IP Scan; Firmware available at website |
| Event Triggers | Motion / Tamper / Network lost detection / Global Counter / Virtual Input / Metadata |
| Event actions | FTP / SMTP / HTTP post / SD card / SAMBA / Push Service / Global Counter / Virtual Input |
| Languages | English, Traditional Chinese, Simplified Chinese, Russian, Italian, Hungarian, Korean, French, Turkish, Arabic, Spanish, Japanese |
| Network | |
| Ethernet | 10BASE-T/100BASE-TX, RJ-45 |
| OSD | Position configurable text overlay for date, time, camera ID, event status |
| CPU, Memory | Embedded Single core ARM Cortex-A9 960MHz CPU & (DDR 512MB / Flash 128MB) |
| OS | Embedded Linux 4.19 |
| Network Protocols | IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, SMTP, Multicast, ONVIF Profile S, ONVIF Profile T, ONVIF Profile G, ONVIF Profile M |
| Max number of online users | 10 simultaneous users |
| Video Display | LILIN Universal ActiveX & HTML5 |
| Log | Event & operation log & IVS event log |
| Schedule | Support holiday list |
| Network Storage | NAS (Support SAMBA/CIFS) |
| Power and Environment | |
| Starting Temperature | -10° C – +50° C (-14° F – 122° F) |
| Operating Temperature | -30° C – +50° C (-22° F – 122° F) |
| Storage Temperature | -25° C – +60° C (-13° F – 140° F) |
| Humidity | 0% – 90% RH |
| Power Supply | PoE (IEEE 802.3af compliant) |
| Power Consumption | POE, 5.7W |
| Mechanical | |
| Dimension | Ø111 x 87(H) mm |
| Weight | 370g |
| Casing Material | Aluminum alloy |
| Warranty | |
| Warranty | 2 Year(s) |