IP Camera AM-UM2054-NM
H.265 0.0008lux 2MP ABF BOX(C/CS mount) IP Camera

**DARK WARRIOR** STAR LIGHT

## Dark Warrior Starlight Series IP Camera
### Designed to work under Ultra Low Light illumination to Give Color Picture Quality

## Superior Engineering Design & Sensational Image Quality

# AM-UM2054-NM H.265 0.0008lux 2MP ABF BOX(C/CS mount) IP Camera

| | | |
|---|---|---|
| ABF | ANR | SUPER WDR |
| H.265 VIDEO COMPRESSION | IR CUT FILTER | ALARM IN/OUT |
| BUILT IN MIC | TRIPLE STREAMING | VIDEO ANALYTICS |
| 2X SD CARD | VOLTAGE PROTECTION | USB/Micro USB |

## Features :

- 1/1.9" Progressive scan ExMor CMOS image sensor
- Full HD resolution 1080P with high frame rate at 50/60fps
- Latest H.265 hardware compression along With H.264/MJPEG
- Ultra Low lux color images at 0.0008Lux
- Support ABF(auto back focus) and C/CS Mount DC auto iris lens
- Smart video analytics and alert through built-in 18 types iVA functions
- IVA functions includes Face detection, People counting, Tripwire & Perimeter(Person & Vehicle separation)
- Active real time intelligent face identification & stored in NVR by the face detection function
- Supports 140dB WDR and 3DNR to night vision image enhancement
- Supports P2P APP alert management & functions
- Triple streaming, Triple compression, Variable/Constant bitrate and frame rate
- ROI(region of interest) technology can save more than 25% of bit rate so it increases the storage period
- Corridor mode delivers image aspect ratio 16:9 since the image will have 9:16(AR) Application like tunnel, narrow corridors, hallways & etc.
- True Day/Night vision by dual HD IR Cut Filter(ICR) for all 24/7 surveillance mode
- Supports offline storage by 2 microSD Card (card optional) and Network storage(FTP)
- ANR(automatic network replenishment) to support offline network storage data(SD Card/USB) videos automatically download to NVR hard drive when network re-established
- Software compatibility with icrys series 256Ch CMS software and any third party Onvif VMS/CMS Software
- P2P secure cloud monitoring on iOS/Android handsets(through NVR live/playback/audio and control)
- Built in uni/multicast streaming to support multiple user logging at same time
- Wide range network protocol TCP/UDP//FTP/SMTP/upnp/RTSP/RTP/HTTP & many more
- Multiple interface 2 Port x RJ-45, 2 Port x SD Slot(512g/each), Built-in MIC, Audio In/Out, Alarm 2Ch, 1Ch Out, Micro USB, USB
- Various functions such as Day&Night, BLC/HLC, AGC, White balance, Shutter speed, In/Outdoor mode, etc.
- Instant function reset button, power button, ABF button
- Advanced alarm management mode for motion/lost/cover/IP or MAC conflict detection
- OSD in multiple color, naming & position, Privacy, Motion detection
- Latest ONVIF S profile compliance, Email notification, Manual & Schedule snapshot
- Easy, fast response & friendly graphical user interface, Advanced encryption secure access
- Redundant power supported by 12VDC/24VAC & PoE(power over ethernet) with 802.3af standard
- Aesthetics and less maintenance cableless enclosure design, Onboard RJ-45, Power, etc.
- Built-in TVS up to 6000V and Lightning/Surge protection power(2KV) and RJ45(1KV)

### Super WDR


WDR ON / WDR OFF
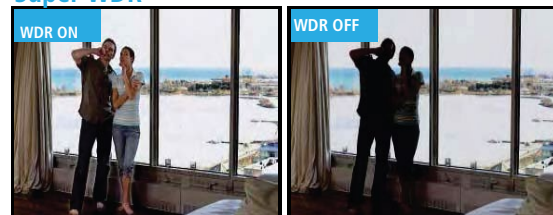
### Darkwarrior Starlight IP Camera Night Vision


Starlight On / Starlight Off

AVTRON
Vision Redefined

A Venture of ADIT GROUP

# Intelligent Video Analytic Functions :

## Double Trip Wire



The application detects moving objects that cross a two trip line, making it possible to automatically trigger an event. Ideal for illegal turn or traffic flow (vehicles or people) and specify the minimum to maximum time intervals or when the person or an object enters in unauthorized zone and crosses, the both virtual lines trigger an event.

## Facial Detection



The application is able to identify and capture human faces from live video & it can save the images to the specified Recording Path either in NVR or CMS or Local Computer with Date & Time Stamp. Ideal for ATM windows, Service and Ticket Counters, Retail POS counters, Doorways and Passageways, Lobby and Reception areas.

## People Counting
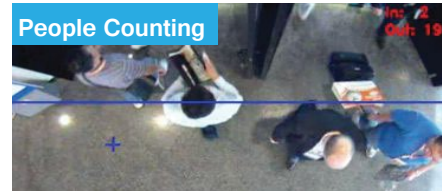


The application sense people from an overhead position in the desired areas, how many persons Enter & Exit passing through. Functional to maintain Visitor Data, supervise stock point, evaluate traffic in key areas & manage the traffic flows. Ideal for Customer Service Centers, Airports, Changing Rooms, Point-of-Sale (POS) transactions Desk.
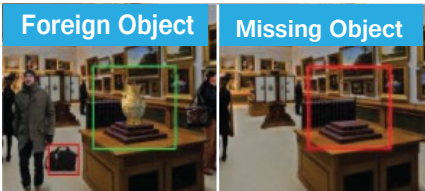
## Foreign Object / Missing Object



Foreign: The application Detects object abandoned/left behind/ Suspicious Objects Left in Pre-defined Area. It triggers an event. Ideal for Public Transports, Museums, Art Galleries & Public Places
Missing : The application detects when a particular object was moved or removed from the desired drawn Virtual area, it trigger an event. deal for Museums, Warehouse, Art Gallery, Jewelry showroom.

## Crowd
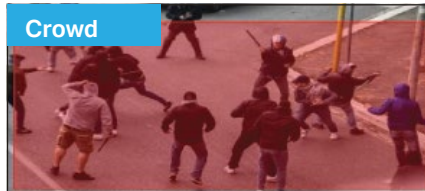


The application estimates the density of people in pre-defined area, once the density crosses a certain limits or suddenly group of a people enter into in the pre-defined area, it triggers an event. Ideal for Retailers, Shopping Malls, Waiting Areas, Hospitals, Parking Zones, Silent Zones.

## Loitering



If somebody enters the marked area and stays there for a certain period of time, the alarm is automatically triggered. Ideal for Public areas, Border Fences, Buildings, Government Restricted Zone, Banks, Parking Areas.
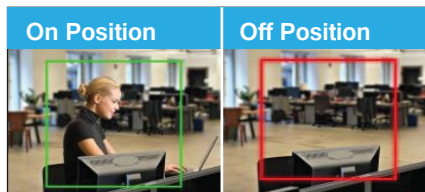
## Parking



The application detects illegal parking with pre-defined restricted zones, speed limit settings.

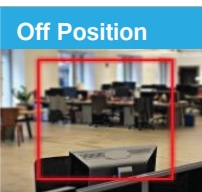Ideal for VIP parking Zone, No Parking Zone, Special Allocated Parking Zone, Parliament House.
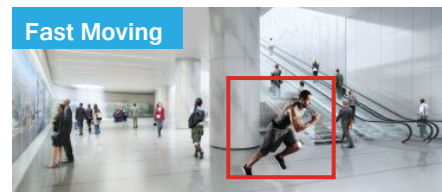
## On Position / Off Position



The application triggers an alarm when the Duty Officers are absence from their pre-defined sitting positions.

Ideal for Reception, Customer Service Desk, POS Desk, Entry/Exits Security Guards Cabin.

## Fast Moving



The application triggers an alarm when the person runs in a not allowing Running pre-defined Zone.

Ideal for Temple, Hallways lobbies, Platforms Walking Zone, Airports Runways.

## Blur image
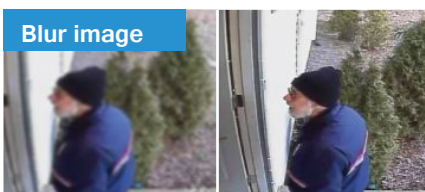


The application trigger an alarm if someone deliberately or accidentally disturbed the lens focus or change the image Sharpness.

## Scene change
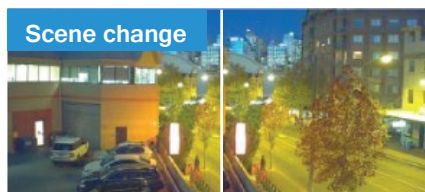


The application trigger an alarm if the camera Rotated/Manipulation/Direction Shifted from the user-selected Viewing direction or camera lens is covered by some bag or cloths, Spray Painting, Video Tamper.

More than
## 18 IVA Functions
are available

# Technical Specifications

| Model No | AM-UM2054-NM |
| --- | --- |
| **Camera  Specification** | |
| Sensor Type | 1/1.9"  Exmor CMOS sensor |
| Image Processor | Cortex A7 Processor |
| Effective Pixels | 1920(H) x 1080(V) |
| Lux Level(illumination) | Color 0.0004 Lux, B/W 0.0001Lux @(F1.2, AGC ON) |
| Shutter Speed Control | AUTO, Manual 1/20s-1/100,000s |
| Gain Control(AGC) | Yes, Adjustable |
| Lens | C/CS Mount |
| IRIS | DC  IRIS |
| Focus Control | ABF, Manual |
| ICR | Yes, Smart IR |
| **Camera Functions** | |
| WDR | 140dB, Auto/Manual Adjustable |
| Day/Night | Auto(Outside/Inside), Color, B/W |
| Digital noise reduction | 3DNR (Close/Ordinary/Expert) |
| Light compensation | BLC Off/On, 1 Area, Customize Design, HLC Off/On Adjustable |
| OSD display | Yes, Character size, Display arrangement, Color |
| White balance | Auto/Manual/Lock/Nature/sunshine/Daylight/Warm light |
| Image control | Image Stabilizer, Flip, Smart Defog, Privacy masking(4zone) |
| Motion detection | Yes, Zones :396(22x18), Sensitivity Level 1~ 100 |
| Picture control | Brightness, Contrast, Sharpness, Saturation |
| **Compression/Video/Audio** | |
| Video compression | H.265+, H.265, H.264, MJPEG, H.264 Main/High/Baseline profile |
| Video resolution | 1920x1080@50/60fps, 1280x960, 1280x720, 640x480, 704x576 |
| Main stream | 2MP(1920x1080)/1.3MP(1280x960)/1MP(1280x720)/D1(704x576) |
| Second stream | D1(704*576)/2CIF(704x288)/CIF(   x288)/QCIF(172x144) |
| Third stream | 1MP(1280x720)/D1(704*576)/2CIF(704x288)/CIF(352x288)/QCIF(172x144) |
| Record & live frame rate | Selectable 1 ~ 50/60 fps |
| Bitrate control | 32Kbps ~ 16Mbps adjustable, VBR/CBR, I-Frame interval |
| Audio compression | G.711/G.726/ADPCM, 8K~48Kbps |
| **Video Analysis** | |
| Analytics Function | Face detection/Fast moving/ Missing & Foreign object/ Crowd & Screaming detection /Tripwire/Perimeter/People counting/ |
| | Loitering/Parking/Blurred image/Audio offline/Off-position |
| Analytics Setting | Target Size/Sensitivity/Background to Foreground Difference/Target Frame |
| iVA Trigger | Record/Snapshot/PTZ Control/Link out |
| Intelligent Alarm | Motion Detection/Video Loss/Video Blind/Port Alarm/IP & MAC Conflict Detection |
| Alarm Trigger | On-screen Alerts/PTZ Trigger/Link out |
| Corridor Control | Yes(supported format 16:9, 9:16) |
| Region of Interest(ROI) | 4 Area |
| Video Quality Diagnosis(V.Q.D) | Yes |

## Technical Specifications

| Model No. | AM-UM2054-NM |
|---|---|
| **Software Integration** | |
| Onvif | Yes, Profile S |
| CMS software | iCRYS Series, up to 256CH(IP+NVR+Matrix) |
| 3rd Party VMS/NVR /CMS | Onvif/SDK/CGI |
| Mobile | Android /iOS through NVR, P2P cloud support |
| User login | 8 User / 4 level of rights, Simultaneous login <7 User client |
| Snap shots | Schedule,  Link with FTP or Email |
| Encryption | Off/AES |
| Others Functions | Browser supports, FTP Upload, EMAIL Alert |
| **Network, Storage, Interface** | |
| Network Storage | FTP(pre & post video) |
| Local Storage | 2 SD slot, Micro SD/SDHC/SDXC Slot, 512Gb/per slot(Card optional) |
| LAN Connectivity | 2 Port x RJ45 100M/1000M Ethernet, Dual IP Address |
| Protocol | TCP/UDP/ICMP/HTTP/HTTPS/FTP/DHCP/DNS/DDNS/RTP/RTSP/PPPoE/NTP/UPnP/SMTP/SNMP/802.1X |
| Pre & Post Recording | Pre : 5 to 15sec, Post : 10 to 60 sec |
| Alarm In/Out | 2Ch In, 1Ch out |
| Audio In/Out | 1Ch In, 1Ch out |
| Composite video out | 1Vp-p Composite Output, 75Ω, BNC Connector |
| Communication | RS-232, RS-485 |
| Other ports | Micro USB, USB |
| **General** | |
| Power supply | DC 12V, PoE (802.3af), AC 24V |
| Power consumption | <6W |
| Power protection | TVS 6000V, Lightning/Surge 2000V(Power), 1000V(LAN) protection |
| Operating temp. & humidity | -30°C ~ 65°C & 0% ~ 95% RH |
| Weight (g), Dimension | <0.9 Kg Camera, 170(L) × 76(W) × 64(H) mm |

### Diemention:-



Onvif  CE  FC  RoHS COMPLIANT

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Vision Redefined

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