



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

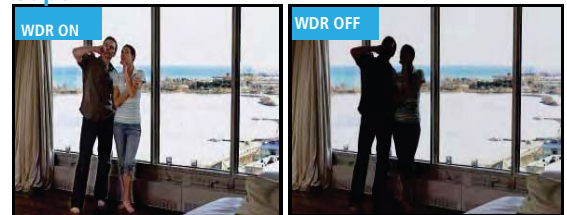


USB/
Micro USB

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



Darkwarrior Starlight IP Camera Night Vision



Intelligent Video Analytic Functions :

Double Trip Wire



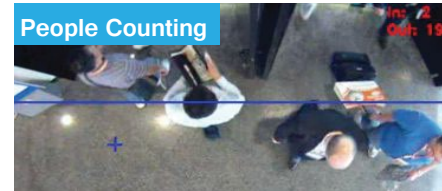
The application detects moving objects that cross a two trip line, making it possible to automatically trigger an event. Ideal for illegal turn or traffic flow (vehicles or people) and specify the minimum to maximum time intervals or when the person or an object enters in unauthorized zone and crosses,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

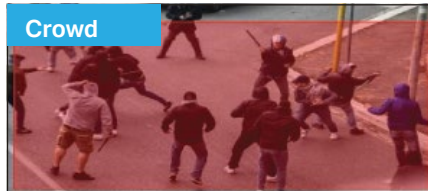


Missing Object



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



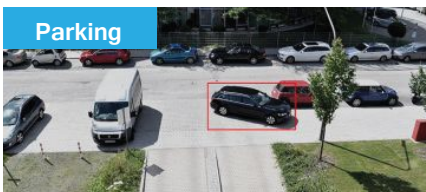
The application estimates the density of people in pre-defined area, once the density crosses a certain limits or suddenly group of a people enter into in the pre-defined area, it triggers an event. Ideal for Retailers, Shopping Malls, Waiting Areas, Hospitals, Parking Zones, Silent Zones.

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.

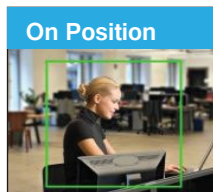
Parking



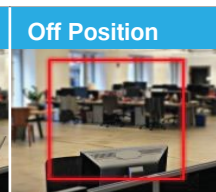
The application detects illegal parking with pre-defined restricted zones, speed limit settings.

Ideal for VIP parking Zone, No Parking Zone, Special Allocated Parking Zone, Parliament House.

On Position



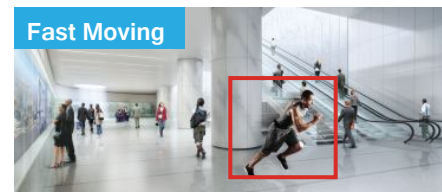
Off Position



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.

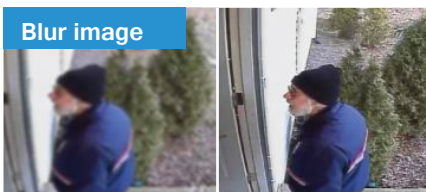
Fast Moving



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

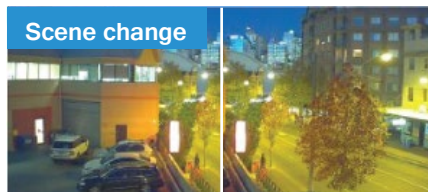
Ideal for Temple, Hallways lobbies, Platforms Walking Zone, Airports Runways.

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	iCRY 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:-

