



## IP Camera AM-UM2009-FMA1 H.265+ 0.0008lux 2MP True WDR IP Dome Camera



**DARK WARRIOR**  
STAR LIGHT

### Dark Warrior Starlight Series IP Camera

Designed to work under Ultra Low Light illumination to Give Colour Picture Quality

Superior Engineering Design & Sensational Image Quality

## AM-UM2009-FMA1 H.265+ 0.0008lux 2MP True WDR IP Dome Camera



H.265+ VIDEO  
COMPRESSION



SMART  
CODEC



SMART  
IR



3D  
NOISE  
REDUCTION

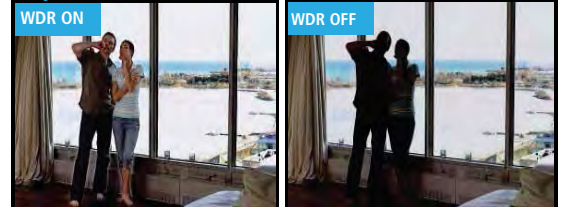


VOLTAGE  
PROTECTION



12VDC/  
PoE 802.af

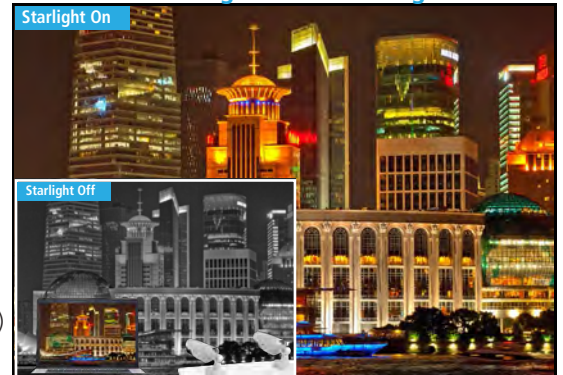
### Super WDR



### Features :

- 1/2.8" Ultra low lux progressive scan CMOS sensor
- Powerful H.265+ Hardware compression along With H.264, MJPEG
- Ultra low lux color image at 0.0008Lux, B&W 0.0001Lux and 0Lux at IR On
- Full HD 2MP resolution with effective 1920(h) x 1080(v) pixel at 25/30fps
- True 120dB WDR(Wide dynamic range) & 3D DNR(Digital noise reduction)
- Wide viewing angle 2.8MM high definition fixed focus lens
- Triple compression, Dual streaming, Variable/Constant bitrate and frame rate
- High intensity ExIR LED up to 30Mtrs. night vision, TDN by dual filter(ICR)
- Smart IR function works when object/person is close to camera. It controls IR to get clear picture
- 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 users logging at same time
- Wide range network protocol TCP/UDP/FTP/RTSP/HTTP & many more
- Various modes for light compensation such BLC/HLC, AGC, Shutter speed
- Image enhancement by White balance, picture color, Day/Night mode & noise reduction
- OSD in multiple color, naming & position, Privacy, Motion detection
- ONVIF S profile, Email notification, Manual & Schedule snapshot, Manual recording
- Easy, fast response & friendly graphical user interface, Advanced encryption secure access
- Redundant power supported by 12VDC & PoE(power over ethernet) with 802.3af standard
- Built in TVS protection 4000V and lightning/surge protection Power(2000V), RJ45(1000V)
- In/Outdoor ceiling and wall mount supported IP66 waterproof metal dome enclosure

### Darkwarrior Starlight IP Camera Night Vision



## Technical Specifications

| Model No                           | AM-UM2009-FMA1                                                                                          |
|------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Camera Specification</b>        |                                                                                                         |
| Sensor type                        | 1/2.8" Ultra low lux Exmor CMOS sensor                                                                  |
| Lux Level(illumination)            | Color 0.0008Lux, B/W 0.0001Lux, 0Lux at IR On                                                           |
| Shutter speed                      | Auto/Manual, 1/2s ~ 1/100,000s                                                                          |
| AGC                                | Yes                                                                                                     |
| Lens                               | 2.8MM fixed focus                                                                                       |
| IR distance                        | IR up to 30 Meter                                                                                       |
| IR function                        | Smart IR, ICR Dual Filter, IR LED power adjustable                                                      |
| <b>Compression/Video/Audio</b>     |                                                                                                         |
| Video compression                  | H.265+, H.265, H.264+, H.264, MJPEG                                                                     |
| H.264/H.264+ Profile               | Main, High, Baseline                                                                                    |
| Main stream                        | 2MP 1920x1080/1.3MP 1280x960/ 1MP 1280x720/D1/VGA                                                       |
| Second stream                      | 704x576(D1), 704x288(2CIF), 352x288(CIF), 640x360                                                       |
| Record & Live frame rate           | Selectable 1 ~ 25/30(NTSC)fps at 2MP, 1.3MP, 1MP, D1, VGA                                               |
| Bitrate control                    | 32Kbps ~ 8Mbps, VBR, CBR, I-Frame interval                                                              |
| <b>Smart Functions</b>             |                                                                                                         |
| Intelligent alarm                  | Advanced motion detection, Recognize only persons from all the moving objects                           |
| Intelligent codec                  | 256kbps for 1080P video stream, 1GB storage for 24 hours recording                                      |
| Intelligent image                  | Advanced algorithm, Identifies persons clearly                                                          |
| <b>Camera Functions</b>            |                                                                                                         |
| WDR                                | 120dB, 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                                             |
| White balance                      | Auto/Manual/Lock/Nature/Sunshine/Day Light/Warm light                                                   |
| Other functions                    | Smart defog control, EIS(Image Stabilizer), Flip control, Motion detection, Privacy masking             |
| Image control                      | Brightness, Contrast, Sharpness, Saturation                                                             |
| OSD display                        | 16x16,32x32,24x24,48x48,64x64 character size 5 area arrangement<br>@ Time/Date/Week/Character/PTZ angle |
| Alarm alert                        | On-screen alerts/Link out/FTP upload, PTZ trigger/E-MAIL/Pre-Post record(through NVR)                   |
| <b>Network, Storage, Interface</b> |                                                                                                         |
| Protocol                           | TCP/UDP/HTTP/802.1x/FTP/UPnP/Multicast/DNS/DDNS/NTP/RTSP/DHCP/PPPoE                                     |
| Pre & Post recording               | Pre : 5 to 15sec, Post : 10 to 60 sec                                                                   |
| Network storage                    | FTP(pre & post upload)                                                                                  |
| LAN port                           | 1x port RJ-45, 10M/100M ethernet                                                                        |
| <b>Software Support</b>            |                                                                                                         |
| Onvif                              | Yes, Profile S                                                                                          |
| CMS software                       | iCRYs series, up to 256CH(IP+NVR+Matrix)                                                                |
| 3rd Party VMS/NVR /CMS             | Onvif/SDK                                                                                               |
| Mobile                             | Cloud support Android /iOS through NVR                                                                  |
| User login                         | 8 User / 4 level of rights, Simultaneous login ≤7 user client                                           |
| Snap shot management               | Schedule, Link with FTP or Email                                                                        |
| Encryption                         | Off/AES                                                                                                 |

## Technical Specifications

| Model No.                  | AM-UM2009-FMA1                                                                   |
|----------------------------|----------------------------------------------------------------------------------|
| <b>General</b>             |                                                                                  |
| Power supply               | DC 12V $\pm$ 15% & PoE (802.3af)                                                 |
| Power consumption          | <3W @ IR Off, <6W @ IR ON                                                        |
| Voltage protection         | TVS 6000V, Lightning/Surge 2000V(power) 1000V(RJ45)                              |
| IP & Vandal protection     | IP66                                                                             |
| Reset switch               | N.A                                                                              |
| Operating temp. & humidity | IP66                                                                             |
| Enclosure                  | -30°C ~ 60°C & 0% ~ 95% RH                                                       |
| Weight (g) & Dimension     | 3 Axis rotation dome, Metal dome <0.4KG camera, $\varnothing$ 116mm(D) X 98mm(H) |

### Dimension :

