

## KD2-N041F36iW 4MP Network IR WDR Eyeball Dome Camera



### DESCRIPTION

The KD2-N041FxxiW series of Ultrakpa professional network dome cameras; it incorporates a 4MP 1/3-type CMOS image sensor providing smooth, 4M (2688x1520/20fps); outstanding crisply detailed vibrant images with extremely low noise making it ideal for professional video security and surveillance applications via intelligent detection: intrusion and tripwire; in addition to tamper detection and event trigger (scene varying, network disconnection, IP address conflict, illegal access, storage problems)

The KD2-N041FxxiW dome cameras support massive features such as motion detection, image flip, True 120dB wide dynamic range, backlight compensation, highlight compensation, day and night (ICR), 3D digital noise reduction, privacy masking for 4 positions, smart IR for 30 meters distance in low luminance or totally dark environments ensuring that every detail is seen clearly

The KD2-N041FxxiW dome cameras provide high quality image with ultra low bit rate H.264+ and H.265+ video compressions; coming in weatherproof IP67 outdoor compact enclosure with 12V DC and POE operations

### MAIN APPLICATIONS

- Professional Video Surveillance Applications in small to medium sized rooms, offices, meeting rooms that requires intelligent analysis and high resolution
- Indoor and Outdoor Applications thanks to the small size compact decorative design and the IP67 Ingress Protection

### MAIN FEATURES

- 4MP 1/3" CMOS sensor
- 2688x1520@20fps
- Day & Night (ICR)
- HLC, BLC
- Digital Noise Reduction (3D)
- Privacy Mask Function
- Intelligent Analysis
- 120dB WDR
- Region of Interest
- H.264/H.265 Compressions
- Smart IR LED (30m)
- Image Flip
- 12VDC/POE
- ONVIF Compliant
- IP67

## KD2-N041F36iW 4MP Network IR WDR Eyeball Camera

### TECHNICAL SPECIFICATIONS

#### CAMERA

|                    |   |
|--------------------|---|
| Image Sensor       | 1/3" 4MP Progressive CMOS Sensor  |
| Active Pixels      | 2688(H) x 1520(V) = 4.085M Pixels   |
| Frame Rate         | Main Stream: 4M@1fps-20fps/3M@1fps-30/25fps<br>Sub Stream: D1@1fps-30/25fps |
| Min Illumination   | 0.08lux @F2.0   |
| IR Control         | Manual/Auto   |
| IR Distance        | 30 meters (98.4ft)  |
| Pan/Tilt /Rotation | Horizontal 0°~360°<br>Vertical 0°~90°<br>Rotation 0°~360°                   |

#### LENS

|               |                                     |
|---------------|-------------------------------------|
| Lens Type     | Fixed                               |
| Focal Length  | 3.6mm                               |
| Max. Aperture | F2.0                                |
| Angle Of View | 2.8mm 104° 57°<br>H,V 3.6mm 87° 48° |

#### VIDEO

|                      |  |
|----------------------|--|
| Video Compression    | H.265, H.264H, MJPEG (Sub Stream)  |
| Smart CODEC          | Available (H.265+,H.264+)  |
| Stream Capability    | Dual Streaming   |
| Resolution           | 4M(2688x1520),3M(2304x1296),1080p(1920x1080),<br>720P(1280x720), D1(704x576/480), VGA (640x480),<br>CIF (352x288/240)                |
| Bit Rate Control     | CBR/VBR  |
| Video Bit Rate       | H.264: 32K~10240Kbps, H.265: 12K~8448Kbps  |
| Intelligent Analysis | Tripwire, Intrusion  |
| Event Trigger        | Motion Detection, Storage Problems, Video<br>Tampering, Scene Varying, Network Disconnection, IP<br>Address Conflict, Illegal Access |

#### CAMERA FUNCTIONS

|                          |   |
|--------------------------|---|
| Day & Night              | Auto(ICR) / Color / B/W                       |
| BLC Mode                 | BLC/HLC/120 dB WDR                            |
| DNR                      | 3D  |
| Digital Zoom             | 16x   |
| Privacy Mask             | Off / On (4 positions)                        |
| Gain Control             | Manual/Auto                                   |
| White Balance            | Auto /Natural /Street Lamp / Outdoor / Manual |
| Region of Interest       | Available (4 positions)                       |
| Motion Detection         | Available (4 positions)                       |
| Electronic Shutter Speed | Auto/Manual 1/3~1/100000 sec                  |
| Smart IR                 | Available                                     |
| Mirror                   | Available                                     |

#### NETWORK

|               |   |
|---------------|---|
| Network       | RJ-45 (10/100Base-T)  |
| Users         | Up to 10/20   |
| Protocol      | IPv4,IPv6,HTTP,HTTPS,TCP,UDP,ARP,RTP,RTSP,RTCP,<br>SMTP,FTP,DNS,DDNS,QoS,UPnP,NTP,TLS,ICMP,IGMP<br>Multicast,PPPoE,IEEE802.1x,Bonjour |
| Browser       | IE, Chrome, Firefox   |
| Mobile Phone  | IOS, Android  |
| Compatibility | ONVIF (Profile S,Profile G), API  |

#### ENVIRONMENT

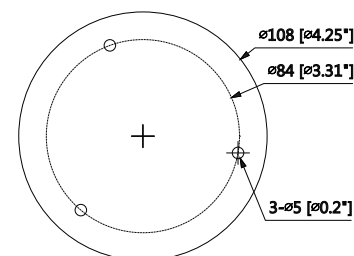
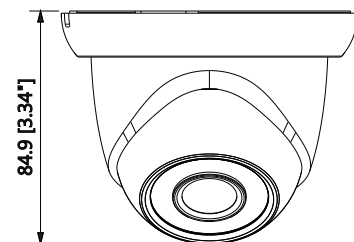
|           |   |
|-----------|---|
| Storage   | -30°C to +60°C, -22°F to 140°F                          |
| Operation | -30°C to +60°C, -22°F to 140°F                          |
| Humidity  | 80%RH (non condensing)<br>less than 95%(non condensing) |
| Altitude  | 3000 meter maximum, 10,000 feet maximum                 |

#### GENERAL

|                    |                             |
|--------------------|-----------------------------|
| Power Source       | DC12V /POE (802.3af Class0) |
| Power Consumption  | 5.5W                        |
| Ingress Protection | IP67                        |
| Weight             | 0.387Kg                     |

#### DIMENSIONS

Unit : mm



Conversion: 1" = 25.4mm  
Measurement conversions are approximate



Every effort has been made to ensure that all the information in this document was correct at the time of going to press. However we are constantly striving to improve our range wherever possible and therefore reserve the right to change the specification of any product without prior notice

R&D is constantly improving our products therefore specifications, features and appearance are subjected to change without notice

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