

## KH-DN2004iA

### 2MP IR Mini Dome Network Camera



- 1/2.8" 2 Megapixel Sony Exmor CMOS
- H.265+&H.264 triple-stream encoding
- 50/60fps@1080P(1920×1080)
- Smart Detection supported
- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- Multiple network monitoring: KBiVMS, KBView Lite, KBView Pro
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 30m
- Micro SD memory, IP67, IK10, PoE,ePoE



#### Technical Specification

##### Camera

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| Image Sensor             | 1/2.8" 2 Megapixel Sony Exmor CMOS                                                       |
| Effective Pixels         | 1920(H)×1080(V)                                                                          |
| RAM/ROM                  | 256MB/32MB                                                                               |
| Scanning System          | Progressive                                                                              |
| Electronic Shutter Speed | Auto/Manual, 1/3(4)~1/100000s                                                            |
| Minimum Illumination     | 0.007Lux/F1.6( Color,1/3s,30IRE)<br>0.06Lux/F1.6( Color,1/30s,30IRE)<br>0Lux/F1.6(IR on) |
| S/N Ratio                | More than 50dB                                                                           |
| IR Distance              | Distance up to 30m (98ft)                                                                |
| IR On/Off Control        | Auto/ Manual                                                                             |
| IR LEDs                  | 18                                                                                       |

##### Lens

|                      |        |                                      |            |           |          |
|----------------------|--------|--------------------------------------|------------|-----------|----------|
| Lens Type            |        | Fixed                                |            |           |          |
| Mount Type           |        | Board-in                             |            |           |          |
| Focal Length         |        | 3.6 mm                               |            |           |          |
| Max. Aperture        |        | F1.6 (F1.6, F1.6)                    |            |           |          |
| Angle of View        |        | H: 110° (87°, 52°), V:58° (46°, 30°) |            |           |          |
| Optical Zoom         |        | N/A                                  |            |           |          |
| Focus Control        |        | Fixed                                |            |           |          |
| Close Focus Distance |        | 0.7m(1.2m, 2.4m)                     |            |           |          |
| DORI Distance        | Lens   | Detect                               | Observe    | Recognize | Identify |
|                      | 2.8 mm | 43m(141ft)                           | 17m(56ft)  | 9m(30ft)  | 4m(13ft) |
|                      | 3.6 mm | 55m(180ft)                           | 22m(72ft)  | 11m(36ft) | 6m(20ft) |
|                      | 6.0 mm | 83m(289ft)                           | 33m(108ft) | 17m(56ft) | 8m(26ft) |

##### Pan/Tilt/Rotation

|                         |                                            |
|-------------------------|--------------------------------------------|
| Pan/Tilt/Rotation Range | Pan:0°~355°; Tilt:0°~65°; Rotation:0°~355° |
|-------------------------|--------------------------------------------|

##### Intelligence

|                                |                                               |
|--------------------------------|-----------------------------------------------|
| IVS                            | Tripwire, Intrusion, Object Abandoned/Missing |
| Advanced Intelligent Functions | Face Detection                                |

##### Video

|                                      |                                                                                                              |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Compression                          | H.265+/H.265/H.264+/H.264                                                                                    |
| Streaming Capability                 | 3 Streams                                                                                                    |
| Resolution                           | 1080P(1920×1080)/1.3M(1280×960)/<br>720P(1280×720)/D1(704×576/704×480)/<br>VGA(640×480)/CIF(352×288/352×240) |
| Frame Rate                           | Main Stream: 1080P(1~50/60fps)                                                                               |
|                                      | Sub Stream: D1(1~50/60fps)                                                                                   |
|                                      | Third Stream: 1080P(1~25/30fps)                                                                              |
| Bit Rate Control                     | CBR/VBR                                                                                                      |
| Bit Rate                             | H.264: 24K ~ 10240Kbps<br>H.265: 14K ~ 9984Kbps                                                              |
| Day/Night                            | Auto(ICR) / Color / B/W                                                                                      |
| BLC Mode                             | BLC / HLC / WDR(120dB)                                                                                       |
| White Balance                        | Auto/Natural/Street Lamp/Outdoor/Manual                                                                      |
| Gain Control                         | Auto/Manual                                                                                                  |
| Noise Reduction                      | 3D DNR                                                                                                       |
| Motion Detetion                      | Off / On (4 Zone, Rectangle)                                                                                 |
| Region of Interest                   | Off / On (4 Zone)                                                                                            |
| Electronic Image Stabilization (EIS) | N/A                                                                                                          |
| Smart IR                             | Support                                                                                                      |

## KH-DN2004iA

### 2MP IR Mini Dome Network Camera

|                 |                              |
|-----------------|------------------------------|
| Defog           | N/A                          |
| Digital Zoom    | 16x                          |
| Flip            | 0°/90°/180°/270°             |
| Mirror          | Off / On                     |
| Privacy Masking | Off / On (4 Area, Rectangle) |

#### Audio

|             |                             |
|-------------|-----------------------------|
| Compression | G.711a/ G.711Mu/ AAC/ G.726 |
|-------------|-----------------------------|

#### Network

|                     |                                                                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet            | RJ-45 (10/100Base-T)                                                                                                                            |
| Protocol            | HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP; NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP |
| Interoperability    | ONVIF, PSIA, CGI                                                                                                                                |
| Streaming Method    | Unicast / Multicast                                                                                                                             |
| Max. User Access    | 10 Users /20 Users                                                                                                                              |
| Edge Storage        | NAS<br>Local PC for instant recording<br>Mirco SD card 128GB                                                                                    |
| Web Viewer          | IE, Chrome, Firefox, Safari                                                                                                                     |
| Management Software | KBiVMS, KBView Lite, KBView Pro                                                                                                                 |
| Smart Phone         | IOS, Android                                                                                                                                    |

#### Interface

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Video Interface | N/A                                                  |
| Audio Interface | 1/1 channel In/Out                                   |
| RS485           | N/A                                                  |
| Alarm           | 1 channel In: 5mA 5VDC<br>1 channel Out: 300mA 12VDC |

#### Electrical

|                   |                                     |
|-------------------|-------------------------------------|
| Power Supply      | DC12V, PoE (802.3af)(Class 0), ePoE |
| Power Consumption | <5W                                 |

#### Environmental

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
| Storage Conditions   | -30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH |
| Ingress Protection   | IP67                                                  |
| Vandal Resistance    | IK10                                                  |

#### Construction

|              |                             |
|--------------|-----------------------------|
| Casing       | Metal                       |
| Dimensions   | Φ109.9mm×81mm (4.33"×3.19") |
| Net Weight   | 0.41kg (0.91lb)             |
| Gross Weight | 0.53 kg (1.17lb)            |

#### Dimensions (mm/inch)

