

## EKI-K41T44H EKI-K42T44H EKI-K82T46H EKI-K164T412H 4 MP Smart Hybrid Light IP KIT



### **EKI-K41T44H:**

- 4K 4-CHANNEL POE NVR ERI-K104-P4 with 1TB HDD
- 4 MP IP TURRET CAMERAS (4) DS-2CD1343G2-LIUF (2.8 mm)

### **EKI-K42T44H:**

- 4K 4-CHANNEL POE NVR ERI-K104-P4 with 2TB HDD
- 4 MP IP TURRET CAMERAS (4) DS-2CD1343G2-LIUF (2.8 mm)

### **EKI-K82T46H:**

- 4K 8-CHANNEL POE NVR ERI-K108-P8 with 2TB HDD
- 4 MP IP TURRET CAMERAS (6) DS-2CD1343G2-LIUF (2.8 mm)

### **EKI-K164T412H:**

- 4K 16-CHANNEL POE NVR ERI-K216-P16 with 4TB HDD
- 4 MP IP TURRET CAMERAS (12) DS-2CD1343G2-LIUF (2.8 mm)



## **■ Specification – Camera Model: DS-2CD1343G2-LIUF**

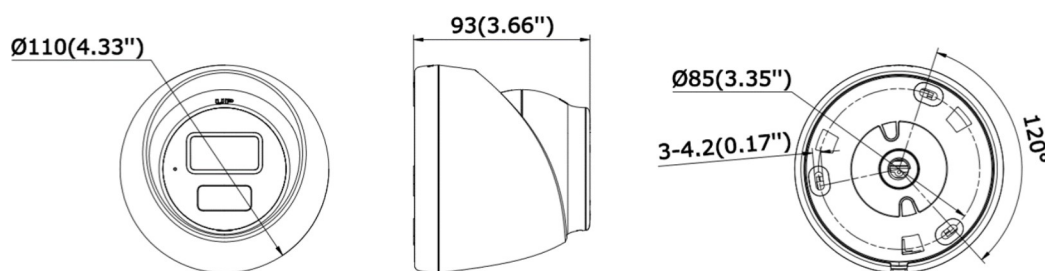
| <b>Camera</b>               |                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/3" Progressive Scan CMOS                                                                                                                   |
| Max. Resolution             | 2560 × 1440                                                                                                                                  |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                         |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                                                        |
| Day & Night                 | IR cut filter                                                                                                                                |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°                                                                                         |
| <b>Lens</b>                 |                                                                                                                                              |
| Lens Type                   | Fixed focal lens, 2.8 mm                                                                                                                     |
| Focal Length & FOV          | horizontal FOV 98°, vertical FOV 54°, diagonal FOV 114°                                                                                      |
| Lens Mount                  | M12                                                                                                                                          |
| Iris Type                   | Fixed                                                                                                                                        |
| Aperture                    | F1.6                                                                                                                                         |
| <b>DORI</b>                 |                                                                                                                                              |
| DORI                        | D: 63 m, O: 25 m, R: 12 m, I: 6 m                                                                                                            |
| <b>Illuminator</b>          |                                                                                                                                              |
| Supplement Light Type       | IR, White Light                                                                                                                              |
| Supplement Light Range      | Up to 30 m                                                                                                                                   |
| Smart Supplement Light      | Yes                                                                                                                                          |
| IR Wavelength               | 850 nm                                                                                                                                       |
| <b>Video</b>                |                                                                                                                                              |
| Main Stream                 | 50 Hz:<br>20 fps (2560 × 1440)<br>25 fps (1920 × 1080, 1280 × 720)<br><br>60 Hz:<br>20 fps (2560 × 1440)<br>24 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)                                         |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG                                                                     |
| Video Bit Rate              | 32 Kbps to 8 Mbps                                                                                                                            |
| H.264 Type                  | Baseline Profile, Main Profile, High Profile                                                                                                 |
| H.265 Type                  | Main Profile                                                                                                                                 |
| Bit Rate Control            | CBR, VBR                                                                                                                                     |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                               |
| <b>Audio</b>                |                                                                                                                                              |
| Audio Type                  | Mono sound                                                                                                                                   |
| Environment Noise Filtering | Yes                                                                                                                                          |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                                 |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                                                           |
| Audio Bit Rate              | 64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)                    |

| Network                          |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security                         | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Simultaneous Live View           | Up to 6 channels                                                                                                                                                                                                       |
| API                              | Open Network Video Interface (Profile S, Profile T, Profile G), ISAPI, SDK                                                                                                                                             |
| Protocols                        | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv4, IPv6, UDP, QoS, FTP, SMTP                                                                                                                             |
| User/Host                        | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                     |
| Client                           | iVMS-4200, Hik-Connect                                                                                                                                                                                                 |
| Web Browser                      | Plug-in required live view: IE 10, IE 11,<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                                                |
| Image                            |                                                                                                                                                                                                                        |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                                                                 |
| SNR                              | ≥ 52 dB                                                                                                                                                                                                                |
| Day/Night Switch                 | Day, Night, Auto, Schedule                                                                                                                                                                                             |
| Image Enhancement                | BLC, HLC, 3D DNR                                                                                                                                                                                                       |
| Image Settings                   | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                            |
| Privacy Mask                     | 4 programmable polygon privacy masks                                                                                                                                                                                   |
| Interface                        |                                                                                                                                                                                                                        |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                          |
| On-Board Storage                 | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                      |
| Built-in Microphone              | Yes                                                                                                                                                                                                                    |
| Reset Key                        | Yes                                                                                                                                                                                                                    |
| Event                            |                                                                                                                                                                                                                        |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                            |
| Linkage                          | Upload to FTP/memory card , send email, notify surveillance center, trigger recording , trigger capture                                                                                                                |
| General                          |                                                                                                                                                                                                                        |
| Power                            | 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 6.5 W                                                                                      |
| Material                         | Metal & Plastic                                                                                                                                                                                                        |
| Dimension                        | Ø110 mm × 89.2 mm (Ø4.3" × 3.5")                                                                                                                                                                                       |
| Package Dimension                | 150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")                                                                                                                                                                          |
| Weight                           | Approx. 340 g (0.7 lb.)                                                                                                                                                                                                |
| With Package Weight              | Approx. 560 g (1.2 lb.)                                                                                                                                                                                                |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                              |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)                                                                                                                                              |
| Language                         | English, Ukrainian                                                                                                                                                                                                     |
| General Function                 | Heartbeat, anti-banding, mirror, password protection, password reset via email                                                                                                                                         |

## Approval

|             |                                                                                                                                                                                               |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | FCC: 47 CFR Part 15, Subpart B,<br>CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014,<br>RCM: AS/NZS CISPR 32: 2015,<br>IC: ICES-003: Issue 7 |
| Safety      | UL: UL 62368-1,<br>CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005                                                        |
| Environment | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                                                                                              |
| Protection  | IP67: IEC 60529-2013                                                                                                                                                                          |

## Dimension



Unit:mm (inch)

## Accessory

### Optional

| CM<br>Corner Mount                                                                  | CBS<br>Junction Box                                                                 | PM<br>Vertical Pole Mount                                                           | ABS<br>Inclined Ceiling Mount                                                         | WMS+PC110T<br>Wall Mount                                                              |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

## **Specification – NVR Model: ERI-K104-P4 (D) for EKI-K41T44H & EKI-K42T44H**

|                             |                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motion Detection 2.0</b> |                                                                                                                                                         |
| Human/Vehicle Analysis      | 1-ch                                                                                                                                                    |
| <b>Video and Audio</b>      |                                                                                                                                                         |
| IP Video Input              | 4-ch                                                                                                                                                    |
| Incoming Bandwidth          | 40 Mbps                                                                                                                                                 |
| Outgoing Bandwidth          | 80 Mbps                                                                                                                                                 |
| HDMI Output                 | 1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz |
| VGA Output                  | 1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz                                                                                            |
| Video Output Mode           | HDMI/VGA simultaneous output                                                                                                                            |
| Audio Output                | 1-ch, RCA (Linear, 1 K $\Omega$ )                                                                                                                       |
| Two-Way Audio               | 1-ch, RCA (2.0 Vp-p, 1k $\Omega$ )                                                                                                                      |
| <b>Decoding</b>             |                                                                                                                                                         |
| Decoding Format             | H.265+/H.265/H.264+/H.264                                                                                                                               |
| Recording Resolution        | 8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                   |
| Synchronous playback        | 4-ch                                                                                                                                                    |
| Decoding Capability         | 1-ch@8 MP (30 fps)/3-ch@4 MP (30 fps)/6-ch@1080p (30 fps)<br>*: The length or width of camera resolution (each track) cannot exceed 4096 pixels.        |
| Stream Type                 | Video, Video & Audio                                                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722/G.726                                                                                                                         |
| <b>Network</b>              |                                                                                                                                                         |
| Remote Connection           | 32                                                                                                                                                      |
| Network Protocol            | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                                  |
| Network Interface           | 1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface                                                                                                   |
| <b>PoE</b>                  |                                                                                                                                                         |
| Interface                   | 4-ch, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                |
| Power                       | ≤ 50 W                                                                                                                                                  |
| Standard                    | IEEE 802.3 af/at                                                                                                                                        |
| <b>Auxiliary Interface</b>  |                                                                                                                                                         |
| SATA                        | 1 SATA interface                                                                                                                                        |
| Capacity                    | Up to 8 TB capacity for each disk                                                                                                                       |
| USB Interface               | 2 x USB 2.0                                                                                                                                             |
| Alarm In/Out                | N/A (4/1 is optional)                                                                                                                                   |
| <b>General</b>              |                                                                                                                                                         |
| Power Supply                | 48 VDC, 1.35 A                                                                                                                                          |
| Consumption                 | ≤ 10 W (without HDD and PoE off)                                                                                                                        |
| Working Temperature         | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                       |
| Working Humidity            | 10% to 90%                                                                                                                                              |
| Dimension (W x D x H)       | 320 x 240 x 48 mm (12.4" x 9.4" x 1.9")                                                                                                                 |
| Weight                      | ≤ 1.18 kg (without HDD, 2.6 lb.)                                                                                                                        |

## **Specification – NVR Model: ERI-K108-P8 (D) for EKI-K82T46H**

|                             |                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motion Detection 2.0</b> |                                                                                                                                                         |
| Human/Vehicle Analysis      | 4-ch                                                                                                                                                    |
| <b>Video and Audio</b>      |                                                                                                                                                         |
| IP Video Input              | 8-ch                                                                                                                                                    |
| Incoming Bandwidth          | 80 Mbps                                                                                                                                                 |
| Outgoing Bandwidth          | 80 Mbps                                                                                                                                                 |
| HDMI Output                 | 1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz |
| VGA Output                  | 1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz                                                                                            |
| Video Output Mode           | HDMI/VGA simultaneous output                                                                                                                            |
| Audio Output                | 1-ch, RCA (Linear, 1 K $\Omega$ )                                                                                                                       |
| Two-Way Audio               | 1-ch, RCA (2.0 Vp-p, 1k $\Omega$ )                                                                                                                      |
| <b>Decoding</b>             |                                                                                                                                                         |
| Decoding Format             | H.265+/H.265/H.264+/H.264                                                                                                                               |
| Recording Resolution        | 8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF                                                                                   |
| Synchronous playback        | 8-ch                                                                                                                                                    |
| Decoding Capability         | 1-ch@8 MP (30 fps)/3-ch@4 MP (30 fps)/6-ch@1080p (30 fps)<br>*: The length or width of camera resolution (each track) cannot exceed 4096 pixels.        |
| Stream Type                 | Video, Video & Audio                                                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722/G.726                                                                                                                         |
| <b>Network</b>              |                                                                                                                                                         |
| Remote Connection           | 32                                                                                                                                                      |
| Network Protocol            | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                                  |
| Network Interface           | 1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface                                                                                                   |
| <b>PoE</b>                  |                                                                                                                                                         |
| Interface                   | 8-ch, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                |
| Power                       | ≤ 75 W                                                                                                                                                  |
| Standard                    | IEEE 802.3 af/at                                                                                                                                        |
| <b>Auxiliary Interface</b>  |                                                                                                                                                         |
| SATA                        | 1 SATA interface                                                                                                                                        |
| Capacity                    | Up to 8 TB capacity for each disk                                                                                                                       |
| USB Interface               | 2 x USB 2.0                                                                                                                                             |
| Alarm In/Out                | N/A                                                                                                                                                     |
| <b>General</b>              |                                                                                                                                                         |
| Power Supply                | 48 VDC, 1.88 A                                                                                                                                          |
| Consumption                 | ≤ 10 W (without HDD and PoE off)                                                                                                                        |
| Working Temperature         | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                       |
| Working Humidity            | 10% to 90%                                                                                                                                              |
| Dimension (W x D x H)       | 320 x 240 x 48 mm (12.4" x 9.4" x 1.9")                                                                                                                 |
| Weight                      | ≤ 1 kg (without HDD, 2.2 lb.)                                                                                                                           |

## Specification – NVR Model: ERI-K216-P16 (D) for EKI-K164T412H

|                             |                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Motion Detection 2.0</b> |                                                                                                                                                         |
| Human/Vehicle Analysis      | 4-ch                                                                                                                                                    |
| <b>Video and Audio</b>      |                                                                                                                                                         |
| IP Video Input              | 16-ch                                                                                                                                                   |
| Incoming Bandwidth          | 160 Mbps                                                                                                                                                |
| Outgoing Bandwidth          | 80 Mbps                                                                                                                                                 |
| HDMI Output                 | 1-ch, 4K (4096 x 2160)/30 Hz, 4K (3840 x 2160)/30 Hz, 2K (2560 x 1440)/60 Hz, 1920 x 1080/60 Hz, 1600 x 1200/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz |
| VGA Output                  | 1-ch, 1920 x 1080/60 Hz, 1280 x 1024/60 Hz, 1280 x 720/60 Hz                                                                                            |
| Video Output Mode           | HDMI/VGA simultaneous output                                                                                                                            |
| Audio Output                | 1-ch, RCA (Linear, 1 KΩ)                                                                                                                                |
| Two-Way Audio               | 1-ch, RCA (2.0 Vp-p, 1 kΩ)                                                                                                                              |
| <b>Decoding</b>             |                                                                                                                                                         |
| Decoding Format             | H.265+, H.265, H.264+, H.264                                                                                                                            |
| Recording Resolution        | 8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA /720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF                                                                                  |
| Synchronous playback        | 16-ch                                                                                                                                                   |
| Decoding Capability         | 1-ch@8 MP (30 fps)/3-ch@4 MP (30 fps)/6-ch@1080p (30 fps)<br>*: The length or width of camera resolution (each track) cannot exceed 4096 pixels.        |
| Stream Type                 | Video, Video & Audio                                                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722/G.726                                                                                                                         |
| <b>Network</b>              |                                                                                                                                                         |
| Remote Connection           | 32                                                                                                                                                      |
| Network Protocol            | TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS                                                  |
| Network Interface           | 1, RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                              |
| <b>PoE</b>                  |                                                                                                                                                         |
| Interface                   | 16, RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                                                                  |
| Power                       | ≤ 150 W                                                                                                                                                 |
| Standard                    | IEEE 802.3 af/at                                                                                                                                        |
| <b>Auxiliary Interface</b>  |                                                                                                                                                         |
| SATA                        | 2 SATA interfaces                                                                                                                                       |
| Capacity                    | Up to 8 TB capacity for each disk                                                                                                                       |
| Alarm In/Out                | N/A (4/1 is optional)                                                                                                                                   |
| USB Interface               | 2 x USB 2.0                                                                                                                                             |
| <b>General</b>              |                                                                                                                                                         |
| Power Supply                | 100 to 240 VAC, 50 to 60 Hz                                                                                                                             |
| Consumption                 | ≤ 15 W (without HDD and PoE off)                                                                                                                        |
| Working Temperature         | -10 °C to 55 °C (14 °F to 131 °F)                                                                                                                       |
| Working Humidity            | 10% to 90%                                                                                                                                              |
| Chassis                     | 1U chassis                                                                                                                                              |
| Dimension (W x D x H)       | 385 x 315 x 52 mm (15.2" x 12.4" x 2.0")                                                                                                                |
| Weight                      | ≤ 2.6 kg (without HDD, 5.7 lb.)                                                                                                                         |



▪ **Available Model**

EKI-K41T44H

EKI-K42T44H

EKI-K82T46H

EKI-K164T412H





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