

# VKIT-4K-2E-W

4K 4CHN 2 TURRET CAMERA KIT, 1TB Storage



## INSIDE THE KIT

2x TURVIP4KS3-FW-A

1x VIPER-NVR-4K-4-1TB

2x 18M cables

## RECORDER SPECIFICATIONS

- Supports 4CH  
8MP/6MP/5MP/4MP/3MP/1080P/  
1280x1024/960P/720P/960H/DI/CIF IP  
video input
- Adopts standard H.265 and H.264,  
high profile
- Intuitive and user-friendly Graphic User  
Interface (GUI)
- Multi-mode recording: manual / timer /  
motion / sensor / smart events
- Playback: 4CH simultaneous playback
- DHCP, DDNS, PPPoE network protocol
- Remote control via Web or CMS:  
preview, playback,
- Supports dual streams
- Supports mobile surveillance by smart  
phones with iOS or Android OS
- Pentaplex : preview, record, playback,  
backup

| Specification                | Network Video Recorder                                                                         |
|------------------------------|------------------------------------------------------------------------------------------------|
| <b>System</b>                |                                                                                                |
| OS                           | Embedded Linux                                                                                 |
| <b>Video</b>                 |                                                                                                |
| Network Input                | 4CH IPC input                                                                                  |
| Network Input Resolution     | 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280x1024 / 960P / 720P / 960H / D1 / CIF                |
| Output                       | HDMI x1: 3840x2160 / 1920x1080 / 1280x1024 / 1024x768<br>VGA: 1920x1080 / 1280x1024 / 1024x768 |
| Compression                  | Standard H.265 / H.264                                                                         |
| <b>Audio</b>                 |                                                                                                |
| Network Input                | 4CH IPC audio input                                                                            |
| 2-Way Audio                  | RCA x 1                                                                                        |
| Local Output                 | RCA x 1                                                                                        |
| Compression                  | G.711(U/A)                                                                                     |
| <b>Record</b>                |                                                                                                |
| Record Stream                | Dual stream recording                                                                          |
| Resolution                   | 8MP / 6MP / 5MP / 4MP / 3MP / 1080P / 1280x1024 / 960P / 720P / 960H / D1 / CIF                |
| Frame Rate                   | NTSC:30fps; PAL:25fps                                                                          |
| <b>Playback</b>              |                                                                                                |
| Simultaneous Playback        | Max. 4CH                                                                                       |
| Search                       | Time slice / time / event / tag search                                                         |
| Smart Search                 | Highlighted colour to display the recordings in a certain period of time                       |
| Function                     | Play, pause, FF, FB, digital zoom, etc.                                                        |
| <b>Decoding Capability</b>   |                                                                                                |
| Live View/Playback           | 1CH 8MP; 4CH 1080P                                                                             |
| <b>Alarm</b>                 |                                                                                                |
| Mode                         | Manual, sensor, motion, exception, smart events                                                |
| Input                        | Supports IPC alarm input                                                                       |
| Output                       | Supports IPC alarm output                                                                      |
| Trigger                      | Record, snap, preset, e-mail, etc.                                                             |
| <b>Network</b>               |                                                                                                |
| Interface                    | RJ45 x1 (10/100/1000Mbps)                                                                      |
| Protocol                     | TCP / IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP, HTTP, HTTPS, 802.1x                         |
| Incoming/ Outgoing Bandwidth | 40/40 (Mbps)                                                                                   |

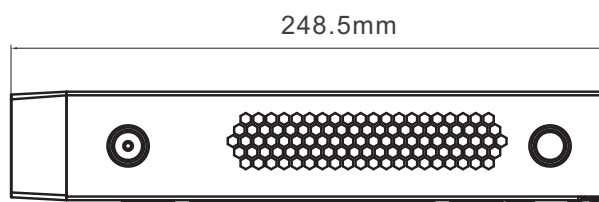
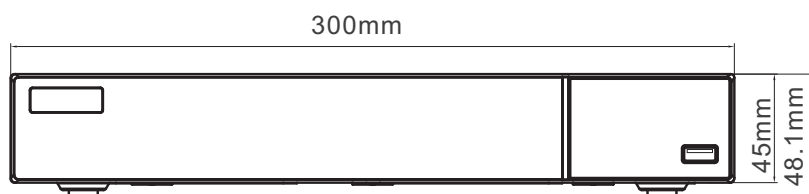
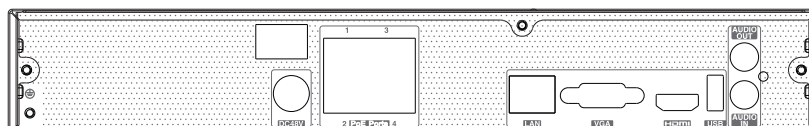
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- Multi-mode recording: manual / timer / motion / sensor / smart events
- Playback: 4CH simultaneous playback
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- Remote control via Web or CMS: preview, playback,
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| Specification           | Network Video Recorder          |
|-------------------------|---------------------------------|
| <b>Mobile OS Device</b> |                                 |
| OS                      | iOS, Android                    |
| <b>Storage / Backup</b> |                                 |
| HDD Interface           | SATA 3.0 x 1, maximum 8TB       |
| Local Backup            | U disk, USB mobile HDD          |
| Network Backup          | Supported                       |
| <b>Port</b>             |                                 |
| USB                     | USB 2.0 x2                      |
| <b>PoE</b>              |                                 |
| PoE Ports               | 100M RJ45 x4                    |
| Standards               | IEEE802.3af                     |
| Output Power            | Unlimited                       |
| <b>Others</b>           |                                 |
| Power Supply            | DC 48V/1.25A                    |
| Consumption             | ≤ 10W ( without HDD )           |
| Dimensions (mm)         | 300 x 249 x 45 ( W x D x H )    |
| Working Environment     | -10 ~ +50°C, 10% ~ 90% humidity |





## CAMERA SPECIFICATIONS

- 8MP ( 3840 × 2160 ) H.265 coding
- Max.resolution: 3840 × 2160
- ICR auto switch, true day / night, ROI coding
- 3D DNR, WDR, HLC, BLC, defog
- 20~30m IR night view distance
- DC12V/PoE power supply
- P2P function optional
- IP67 ingress protection
- Supports three streams
- Supports mobile surveillance by smart phones with iOS or Android OS
- Intelligent analytics

| Specification              | Camera                                                                                                                                         |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>              |                                                                                                                                                |
| Image Sensor               | 1 / 2.8 "CMOS                                                                                                                                  |
| Image Size                 | 3840 × 2160                                                                                                                                    |
| Electronic Shutter         | 1 / 25 s ~ 1 / 100000 s                                                                                                                        |
| Iris Type                  | Fixed Iris                                                                                                                                     |
| Min. Illumination          | 0.06 lux @ F1.6, AGC ON; 0 lux with IR 0.1lux@F2.0, AGC ON; 0 lux with IR                                                                      |
| Lens                       | 2.8 mm @F1.6, Horizontal FoV:109.7°; Vertical FoV:77.2°; Diagonal FoV:116.9°                                                                   |
| Lens Mount                 | M12                                                                                                                                            |
| Wide Dynamic Range         | 120dB                                                                                                                                          |
| BLC                        | Yes                                                                                                                                            |
| HLC                        | Yes                                                                                                                                            |
| Defog                      | Yes                                                                                                                                            |
| Digital NR                 | 3D DNR                                                                                                                                         |
| Angle Adjustment           | Pan: 0°~360°; Tilt:0°~75°; Rotation: 0°~360°                                                                                                   |
| <b>Image</b>               |                                                                                                                                                |
| Video Compression          | H.265+ / H.265 / H.264+ / H.264                                                                                                                |
| H.264 Compression Standard | Baseline Profile / Main Profile / High Profile                                                                                                 |
| Resolution                 | 8MP ( 3840 × 2160 ), 6MP( 3072 × 2048 ),5MP( 2592 × 1944), 4MP ( 2560 × 1440 ), 1080P ( 1920 × 1080 ), 720P ( 1280 × 720 ), D1, CIF, 480 × 240 |
| Main Stream                | 60Hz : 8MP/6MP(1~20fps), 5MP/4MP/1080P(1~30fps)<br>50Hz : 8MP/6MP(1~20fps), 5MP/4MP/1080P(1~25fps)                                             |
| Sub Stream                 | 720P/D1/CIF/480 × 240(60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                            |
| Third Stream               | D1/CIF/480 × 240 (60Hz: 1~30fps; 50Hz: 1~25fps)                                                                                                |
| Bit Rate                   | 64 Kbps ~ 12 Mbps                                                                                                                              |
| Bit Rate Type              | VBR / CBR                                                                                                                                      |
| Audio Compression          | G711A / U                                                                                                                                      |
| Image Settings             | ROI, Saturation, Brightness, Chroma, Contrast, Wide Dynamic, Sharpen, NR,etc. adjustable through client software or web browser                |
| ROI                        | 3 ROI, Each ROI to be configured separately                                                                                                    |
| <b>Interfaces</b>          |                                                                                                                                                |
| Network                    | RJ45                                                                                                                                           |
| Video Output               | No                                                                                                                                             |
| Audio                      | 1CH built-in MIC; 1CH audio input                                                                                                              |
| Storage                    | Built-in micro SD card slot; up to 256GB                                                                                                       |
| Hardware Reset             | Yes                                                                                                                                            |





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| Specification            | Camera                                                                                                                |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Functions</b>         |                                                                                                                       |
| Remote Monitoring        | Web browsing, CMS remote control                                                                                      |
| Online Connection        | Supports simultaneous monitoring for up to 10 users;<br>Supports multi-stream real time transmission                  |
| Network Protocol         | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, ICMP, IGMP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPs, QoS |
| Interface Protocol       | ONVIF                                                                                                                 |
| Storage                  | Network remote storage; micro SD card storage                                                                         |
| Smart Alarm              | Motion detection, SD card error, SD card full                                                                         |
| Intelligent Analytics    | Scene change, video blur detection, video color cast detection, line crossing detection, intrusion detection          |
| General Function         | Watermark, IP address filtering, video mask, heartbeat, password protection, image distortion correction, etc.        |
| PoE                      | Yes (IEEE802.3af)                                                                                                     |
| IR Distance              | 20 ~ 30 m                                                                                                             |
| Ingress Protection       | IP67                                                                                                                  |
| <b>Others</b>            |                                                                                                                       |
| Power Supply             | DC12V/PoE                                                                                                             |
| Power Consumption        | < 9W                                                                                                                  |
| Operating Environment    | - 30°C ~ +60°C (-22°F ~ +140°F)<br>Humidity: less than 95 % non condensing                                            |
| Dimensions [ mm ]        | Φ 94.6 × 82.8                                                                                                         |
| Weight [ net ]           | Approx. 0.46KG                                                                                                        |
| Installation             | Ceiling mounting; Wall mounting                                                                                       |
| Certificate              | CE, FCC                                                                                                               |
| Environmental Protection | Complies with Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)                          |

