

## ***4MP TURRET CAMERA / 8CH, 8 PoE NVR KIT***



### ***CAMERA / NVR KIT***

## ***KNR82T64***

- > Kit Fully Adheres to National Defense Authorization Act (NDAA) Guidelines
- > Includes 8ch network recorder NR081XP, 1 SATA HDD and Embedded PoE Switch
  - Concurrent Mirrored Display on HDMI and VGA Monitor Outputs
  - Supports Cloud Upgrade for NVR and Cameras, with Automatic Detection of Latest Firmware and Upgrades, and is ONVIF Profile S Compliant
  - Supported by uniview tec Guard Station Client Software and Guard Viewer Mobile App's for iPhone and Android Devices
- > Includes 6 x IPT4B28X Turret Cameras, 4MP, 2.8mm fixed lens, IR LED Lights
  - Dual Video Streams, True Day/Night, WDR, Defog, 3D DNR
  - Micro-SD Card slot, ONVIF Profile S, Built-In Microphone
  - Intrusion Detection Analytics, PoE & 12VDC Power Options
  - 3-Way Axis, IP67 Weather Resistant Housing, with optional mounts available

***www.univiewtechnology.com***

# Camera / NVR Kit

## Specifications

| Camera                        |                                                                                                                                                                                                                                                               |             |               |              |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|--------------|
| Sensor                        | 1/2.9" 4MP, progressive scan CMOS                                                                                                                                                                                                                             |             |               |              |
| Minimum illumination          | Color: 0.01 lux (F2.0, AGC ON); 0 lux with IR on                                                                                                                                                                                                              |             |               |              |
| True Day / Night              | IR-cut filter with auto switch (ICR)                                                                                                                                                                                                                          |             |               |              |
| Shutter                       | Auto / Manual, 1 ~ 1/100000s                                                                                                                                                                                                                                  |             |               |              |
| Adjustment angle (3-way Axis) | Pan: 0° ~ 360°;   Tilt: 0° ~ 75°; Rotate: 0° ~ 360°                                                                                                                                                                                                           |             |               |              |
| WDR                           | 120dB                                                                                                                                                                                                                                                         |             |               |              |
| S/N                           | >52dB                                                                                                                                                                                                                                                         |             |               |              |
| Lens                          |                                                                                                                                                                                                                                                               |             |               |              |
| Lens                          | 2.8mm @ F2.0                                                                                                                                                                                                                                                  |             |               |              |
| Iris                          | Fixed                                                                                                                                                                                                                                                         |             |               |              |
| Field of View (H)             | 101.5°                                                                                                                                                                                                                                                        |             |               |              |
| Field of View (V)             | 55.6°                                                                                                                                                                                                                                                         |             |               |              |
| Field of View (O)             | 111.6°                                                                                                                                                                                                                                                        |             |               |              |
| DORI                          |                                                                                                                                                                                                                                                               |             |               |              |
| DORI Distance                 | Detect (m)                                                                                                                                                                                                                                                    | Observe (m) | Recognize (m) | Identify (m) |
|                               | 63                                                                                                                                                                                                                                                            | 25.2        | 12.6          | 6.3          |
| Illuminator                   |                                                                                                                                                                                                                                                               |             |               |              |
| IR Range                      | Up to 30m (98ft) IR range                                                                                                                                                                                                                                     |             |               |              |
| Wavelength                    | 850nm                                                                                                                                                                                                                                                         |             |               |              |
| IR On/Off Control             | Auto/Manual                                                                                                                                                                                                                                                   |             |               |              |
| Video                         |                                                                                                                                                                                                                                                               |             |               |              |
| Video Compression             | Ultra 265, H.265, H.264, MJPEG                                                                                                                                                                                                                                |             |               |              |
| H.264 code profile            | Baseline profile, Main profile, High profile                                                                                                                                                                                                                  |             |               |              |
| Frame Rate                    | Main Stream: 4MP (2560 x 1440), Max 30fps; 3MP (2304 x 1296), Max 30fps; 1080P (1920 x 1080), Max 30fps; 720P (1280 x 720), Max 30fps<br>Sub Stream: D1 (720 x 576), Max 30fps; 640 x 360, Max 30fps; 2CIF (704 x 288), Max 30fps; CIF (352 x 288), Max 30fps |             |               |              |
| Video Bit Rate                | 128 Kbps~16 Mbps                                                                                                                                                                                                                                              |             |               |              |
| OSD                           | Up to 4 OSDs                                                                                                                                                                                                                                                  |             |               |              |
| Privacy Mask                  | Up to 4 areas                                                                                                                                                                                                                                                 |             |               |              |
| ROI                           | Up to 8 areas                                                                                                                                                                                                                                                 |             |               |              |
| Video Stream                  | Dual                                                                                                                                                                                                                                                          |             |               |              |
| Image                         |                                                                                                                                                                                                                                                               |             |               |              |
| White Balance                 | Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto2                                                                                                                                                                                                     |             |               |              |
| Digital Noise Reduction       | 2D / 3D DNR                                                                                                                                                                                                                                                   |             |               |              |
| Smart IR                      | Supported                                                                                                                                                                                                                                                     |             |               |              |

# Camera / NVR Kit

|                           |                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flip                      | Normal / Vertical / Horizontal / 180° / 90°Clockwise / 90°Anti-clockwise                                                                                                                                   |
| HLC                       | Supported                                                                                                                                                                                                  |
| BLC                       | Supported                                                                                                                                                                                                  |
| Defog                     | Digital Defog                                                                                                                                                                                              |
| <b>Intrusion Events</b>   |                                                                                                                                                                                                            |
| Basic Detection           | Motion detection, tampering alarm, audio detection                                                                                                                                                         |
| General Function          | Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication, user authentication                                                       |
| <b>Storage</b>            |                                                                                                                                                                                                            |
| Edge Storage              | Micro SD, up to 128GB                                                                                                                                                                                      |
| Network Storage           | ANR                                                                                                                                                                                                        |
| <b>Network</b>            |                                                                                                                                                                                                            |
| Protocols                 | IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, QoS, SSL/TLS, SNMP                                                                             |
| Compatible Integration    | ONVIF (Profile S, Profile G, Profile T), API                                                                                                                                                               |
| User/Host                 | Up to 32 users. 2 user levels: administrator and common user                                                                                                                                               |
| Security                  | Password protection, Strong password, HTTPS encryption, Export operation logs, Basic and digest authentication for RTSP, Digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF |
| Client                    | Guard Station, Guard Viewer                                                                                                                                                                                |
| Web Browser               | Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above;<br>Plug-in free live view: Chrome 57.0 and above, Firefox 58.0 and above, Edge 16 and above     |
| <b>Interface</b>          |                                                                                                                                                                                                            |
| Built-in Mic              | Support                                                                                                                                                                                                    |
| Network                   | 1 * RJ45 10M/100M Base-TX Ethernet                                                                                                                                                                         |
| <b>General</b>            |                                                                                                                                                                                                            |
| Power                     | DC 12V±25%, PoE (IEEE 802.3af); Power consumption: Max 4W                                                                                                                                                  |
| Power Interface           | Ø 5.5mm coaxial power plug                                                                                                                                                                                 |
| Dimensions (Ø × H)        | Ø 118 x 96mm ( Ø 4.6 x 3.8")                                                                                                                                                                               |
| Weight                    | 0.30kg (0.66lb)                                                                                                                                                                                            |
| Material                  | Metal + Plastic                                                                                                                                                                                            |
| Working Environment       | -30°C ~ 60°C (-22°F ~ 140°F), Humidity: ≤95% RH (non-condensing)                                                                                                                                           |
| Surge Protection          | 4KV                                                                                                                                                                                                        |
| Conformity Certifications | IP67, CE, FCC                                                                                                                                                                                              |

# Camera / NVR Kit

| NVR                         |                                                                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video & Audio Inputs        |                                                                                                                                                                             |
| IP Video Input              | 8-ch                                                                                                                                                                        |
| Audio Input                 | 1-ch, RCA                                                                                                                                                                   |
| Video & Audio Outputs       |                                                                                                                                                                             |
| VGA Output                  | 1920 x 1080p / 60Hz, 1920 x 1080p / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz                                                      |
| HDMI Output                 | 3840 x 2160 / 30Hz, 1920 x 1080p / 60Hz, 1920 x 1080p / 50Hz, 1600 x 1200 / 60Hz, 1280 x 1024 / 60Hz, 1280 x 720 / 60Hz, 1024 x 768 / 60Hz                                  |
| Audio Output                | 1-ch, RCA                                                                                                                                                                   |
| Audio Compression           | G.711A, G.711U                                                                                                                                                              |
| Synchronous Playback        | 8                                                                                                                                                                           |
| Live view display           | 1 / 4 / 6 / 8 / 9                                                                                                                                                           |
| Network                     |                                                                                                                                                                             |
| Incoming Bandwidth          | 80Mbps                                                                                                                                                                      |
| Outgoing Bandwidth          | 64Mbps                                                                                                                                                                      |
| Remote Users                | 128                                                                                                                                                                         |
| Protocols                   | TCP/IP, P2P, UPnP, NTP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, SNMP, SMTP                                                                                                     |
| Supported Browsers          | IE(IE10/11) for Windows;<br>Firefox (version 52.0 and above) for Windows;<br>Chrome(version 45 and above) for Windows;<br>Edge(version 79 and above) for Windows            |
| Snapshot                    |                                                                                                                                                                             |
| FTP/Schedule/Event Snapshot | 4-ch snapshot, up to D1 resolution                                                                                                                                          |
| Decoding                    |                                                                                                                                                                             |
| Decoding format             | Ultra 265 / H.265 / H.264                                                                                                                                                   |
| Live view/Playback          | 8MP / 6MP / 5MP / 4MP / 3MP / 1080p / 960p / 720p / D1 / 2CIF / CIF                                                                                                         |
| Capability                  | Ultra 265 / H.265: 4 x 4K @ 30, 6 x 5MP @ 30, 8 x 4MP @ 30, 10 x 3MP @ 30, 16 x 1080p @ 30<br>H.264: 2 x 4K @ 30, 4 x 5MP @ 30, 6 x 4MP @ 30, 8 x 3MP @ 30, 14 x 1080p @ 30 |
| Hard Disk Drives            |                                                                                                                                                                             |
| SATA                        | 1 SATA Interface                                                                                                                                                            |
| Capacity                    | Up to 8TB for each HDD                                                                                                                                                      |
| System Alarm                |                                                                                                                                                                             |
| General Alarm               | Motion, Tampering, Human Body Detection, Video Loss, Alarm Input, Audio Detection                                                                                           |

# Camera / NVR Kit

|                                                                 |                                                                                                                                                                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alert Alarm                                                     | IP Conflict, Network Disconnected, Disk Offline , Disk Abnormal, Illegal Access, Hard Disk Space Low, Hard Disk Full, Recording/Snapshot Abnormal                                                            |
| <b>Smart Features</b>                                           |                                                                                                                                                                                                              |
| VCA Detection by Camera                                         | Face Detection, Intrusion Detection, Cross Line Detection, Enter Area, Leave Area, Defocus Detection, Scene Change Detection, Object Left Behind, Object Removed, Auto Tracking, UMD(Ultra Motion Detection) |
| VCA Search                                                      | Face Search, Behavior Search, People Counting Report                                                                                                                                                         |
| People counting                                                 | People Flow Counting, Crowd Density Monitoring                                                                                                                                                               |
| Smart Intrusion Prevention (SIP), Face Detection, UMD by Camera | 8-ch                                                                                                                                                                                                         |
| <b>External Interface</b>                                       |                                                                                                                                                                                                              |
| Network Interface                                               | 1 RJ45 10M/100M/1000M self-adaptive Ethernet Interface                                                                                                                                                       |
| USB Interface                                                   | Rear panel: 1 x USB3.0, 1 x USB2.0                                                                                                                                                                           |
| <b>PoE</b>                                                      |                                                                                                                                                                                                              |
| Interface                                                       | 8 x RJ-45 10M/100M self-adaptive Ethernet Interface                                                                                                                                                          |
| Max Power                                                       | Max 30W for single port<br>Max 75W in total                                                                                                                                                                  |
| Supported Standard                                              | IEEE 802.3af/at                                                                                                                                                                                              |
| <b>General</b>                                                  |                                                                                                                                                                                                              |
| Power Supply                                                    | 52V DC / 1.8A; Power Consumption: ≤ 10W (without HDD)                                                                                                                                                        |
| Working Environment                                             | -10°C ~ + 55°C ( +14°F ~ +131°F ), Humidity ≤ 90% RH(non-condensing)                                                                                                                                         |
| Dimensions (W × D × H)                                          | 205 × 212 × 46mm (8.1 × 8.3 × 1.8")                                                                                                                                                                          |
| Weight ( without HDD )                                          | ≤ 0.98Kg (2.16lb)                                                                                                                                                                                            |
| <b>General</b>                                                  |                                                                                                                                                                                                              |
| Certifications                                                  | FCC, CE (UL – Power Supply only)                                                                                                                                                                             |

## Accessories

4KTESTMON Multi-Function Video Test Monitor

See Camera Accessories Guide for Optional Mounts