

# PhoenixViewPlus-084D-4MP

## 8 Channel Compact 1U H.265 NVR and IP camera Kit



- 8 Channel NVR
- Four IPD-95 4MP H.265 IP Cameras
- H.265 / H.264 decoding
- 98' Max IR distance, IP67
- Up to 8 channel IP camera inputs
- 8 PoE Ports
- PoE - Power Over Ethernet
- HDMI/VGA simultaneous video output
- 2TB HDD included

## System Overview

Clearview's PhoenixViewPlus-084D-4MP kit is the ultimate package in convenience and ease of use. Included in the bundle is a PhoenixPlus-08 with 4x 4MP IPD-95 cameras, expandable to 8 channels.

The PhoenixPlus-08 8 channel NVR features an 8 port built in PoE, 4K support and new H.265 decoding technology, saving up to 50% HDD and storage space compared to traditional H.264.

Included in the kit is 4x IPD-95 IP cameras. These 4 Megapixel eyeball cameras feature 98' Max IR distance, H.265 encoding, IP67 rating and PoE for ease of install with the NVR.

## Functions

### Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

### Flexible Recording

The AVR offers a variety of configurable recording options and schedule that saves HDD space and active monitoring time. The recorder monitors incoming video and can be programmed to record if motion is detected or if an alarm is triggered. The recorder can also be programmed to record on a schedule or at different intervals. The recording options and schedules can be set for each individual camera or copied to all cameras..

### Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

### Protection (IP67, wide voltage)

Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times. Wide voltage: The camera allows  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with unstable voltage.

### 4K resolution

4K resolution is a revolutionary breakthrough in image processing technology. 4K delivers four times the resolution of standard HDTV 1080p cameras and offers superior picture quality and image detail. 4K resolution improves the clarity of a magnified scene to view or record crisp forensic video from large areas.

## Technical Specification

### PhoenixPlus-08

|                  |                              |
|------------------|------------------------------|
| Main Processor   | Quad-core embedded processor |
| Operating System | Embedded LINUX               |

### Video

|                |           |
|----------------|-----------|
| IP Video Input | 8 channel |
|----------------|-----------|

### Audio

|              |                                        |
|--------------|----------------------------------------|
| Input        | N/A                                    |
| Output       | N/A                                    |
| Two-way Talk | 1 channel Input, 1 channel Output, RCA |

### Display

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| Interface         | 1 HDMI ,1 VGA                                                                          |
| Resolution        | HDMI: 3840×2160, 1920×1080, 1280×1024, 1280×720<br>VGA: 1920×1080, 1280×1024, 1280×720 |
| Decoding Capacity | 2ch@4K(30fps)/8ch@1080P(30fps)                                                         |
| Display Split     | 1/4/8/9                                                                                |
| OSD               | Camera title, Time, Video loss, Camera lock, Motion detection, Recording               |

### Recording

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Video/Audio Compression | Smart H.265+/H.265/Smart H.264+/H.264                                      |
| Image Resolution        | 8MP/6MP/5MP/4MP/3MP/1080P/ 720P/ D1&etc.                                   |
| Record Rate             | 80Mbps                                                                     |
| Bit Rate                | 16Kbps ~ 20Mbps Per Channel                                                |
| Record Mode             | Manual, Schedule(Regular(Continuous), MD, Alarm), Stop                     |
| Record Interval         | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec |

### Video Detection & Alarm

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Trigger Events  | Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips |
| Video Detection | Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank            |
| Alarm Input     | N/A                                                                          |
| Relay Output    | N/A                                                                          |

### Playback & Backup

|                    |                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sync Playback      | 1/4/9                                                                                                                                                                 |
| Search Mode        | Time/Date, Alarm, MD & Exact search (accurate to second), Smart search                                                                                                |
| Playback Functions | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom |
| Backup Mode        | USB Device/Network                                                                                                                                                    |

### Network

|                   |                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Ethernet          | 1 RJ-45 port (10/100/1000Mbps)                                                                                            |
| PoE               | 8 ports (IEEE802.3at/af)                                                                                                  |
| Network Functions | HTTP, TCP/IP, IPv4/IPv6, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, IP Search, P2P |
| Max. User Access  | 128 users                                                                                                                 |
| Smart Phone       | Android, iOS, iPhone                                                                                                      |
| Interoperability  | ONVIF 2.4, SDK, CGI                                                                                                       |

### Storage

|              |                                 |
|--------------|---------------------------------|
| Internal HDD | 1 SATA Port, up to 6TB capacity |
| External HDD | N/A                             |

### Auxiliary Interface

|       |                         |
|-------|-------------------------|
| USB   | 2 USB Ports (2 USB 2.0) |
| RS232 | N/A                     |
| RS485 | N/A                     |

### General

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Power Supply        | DC 48V/2A                                                                |
| Power Consumption   | NVR: < 8.3W(without HDD)<br>PoE: Max 25.5w for single port, 80w in total |
| Working Environment | -10°C ~ +55°C (+14°F ~ +131°F), 86 ~ 106kpa                              |
| Dimensions (W×D×H)  | Compact 1U, 270mm×204.7mm×45.7mm(10.6" x 8.1" x 1.8")                    |
| Net Weight          | 0.65kg (1.43 lb) (without HDD)                                           |
| Gross Weight        | 1.8kg(3.97 lb)(without HDD)                                              |

### Certifications

|                |                                                                                           |
|----------------|-------------------------------------------------------------------------------------------|
| Certifications | EN55032, EN55024, EN50130-4, EN60950-1<br>Part 15 Subpart B, ANSI C63.4-2014<br>UL60950-1 |
|----------------|-------------------------------------------------------------------------------------------|

## Technical Specification

### IPD-95

|                          |                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------|
| Image Sensor             | 1/3" 4 Megapixel progressive CMOS                                                      |
| Effective Pixels         | 2688(H) x1520(V)                                                                       |
| RAM/ROM                  | 512MB/32MB                                                                             |
| Scanning System          | Progressive                                                                            |
| Electronic Shutter Speed | Auto/Manual 1/3 s~1/100000 s                                                           |
| Minimum Illumination     | 0.08Lux/F2.0( Color,1/3s,30IRE)<br>0.3Lux/F2.0( Color,1/30s,30IRE)<br>0Lux/F2.0(IR on) |
| IR Distance              | Distance up to 30m(98ft)                                                               |
| IR On/Off Control        | Auto / Manual                                                                          |
| IR LEDs                  | 12                                                                                     |

### Lens

|                      |       |                     |         |           |          |
|----------------------|-------|---------------------|---------|-----------|----------|
| Lens Type            |       | Fixed               |         |           |          |
| Mount Type           |       | Board-in            |         |           |          |
| Focal Length         |       | 2.8mm               |         |           |          |
| Max. Aperture        |       | F.20                |         |           |          |
| Angle of View        |       | H:104°87°, V:57°48° |         |           |          |
| Optical Zoom         |       | 5x                  |         |           |          |
| Close Focus Distance |       | N/A                 |         |           |          |
| DORI Distance        | Lens  | Detect              | Observe | Recognize | Identify |
|                      | 2.8mm | 207ft               | 82 ft   | 43 ft     | 20 ft    |

### Pan/Tilt/Rotation

|                         |                                               |
|-------------------------|-----------------------------------------------|
| Pan/Tilt/Rotation Range | Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360° |
|-------------------------|-----------------------------------------------|

### Smart Event

|             |                     |
|-------------|---------------------|
| General IVS | Tripwire; intrusion |
|-------------|---------------------|

### Video

|                      |                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------|
| Compression          | H.265/H.264H/MJPEG(Sub Stream)                                                                                    |
| Streaming Capability | 2 Streams                                                                                                         |
| Resolution           | 4M(2688x1520)/3M(2304x1296)/1080P(1920x1080)/720P(1280x720)/VGA(640x480)/D1(704x576/704x480)/CIF(352x288/352x240) |
| Frame Rate           | Main Stream: 4M(1 ~ 20fps)/3M (1 ~ 25/30fps)<br>Sub Stream: D1(1 ~ 25/30fps)                                      |
| Bit Rate Control     | CBR/VBR                                                                                                           |
| Bit Rate             | H.265: 12K ~ 8448Kbps<br>H.264: 32K ~ 10240Kbps                                                                   |
| 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 Detection   | Off / On (4 Zone, Rectangle) |
| Region of Interest | Off / On (4 Zone)            |
| Smart IR           | Support                      |
| Digital Zoom       | 16x                          |
| Flip               | 0°/90°/180°/270°             |
| Mirror             | Off / On                     |
| Privacy Masking    | Off / On (4 Area, Rectangle) |

### Audio

|             |     |
|-------------|-----|
| Compression | N/A |
|-------------|-----|

### Network

|                     |                                                                                                                                    |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet            | RJ-45 (10/100Base-T)                                                                                                               |
| Protocol            | HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPoE;IPv4/V6;QoS;UPnP;NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;TLS |
| Interoperability    | ONVIF Profile S&G, API                                                                                                             |
| Streaming Method    | Unicast / Multicast                                                                                                                |
| Max. User Access    | 10 Users /20 Users                                                                                                                 |
| Edge Storage        | NAS<br>Local PC for instant recording                                                                                              |
| Web Viewer          | IE, Chrome, Firefox, Safari                                                                                                        |
| Management Software | SmartICRSS, DSS                                                                                                                    |
| Smart Phone         | IOS, Android                                                                                                                       |

### Certifications

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| Certifications | CE (EN 60950:2000)<br>UL:UL60950-1<br>FCC: FCC Part 15 Subpart B |
|----------------|------------------------------------------------------------------|

### Interface

|                 |     |
|-----------------|-----|
| Video Interface | N/A |
| Audio Interface | N/A |
| RS485           | N/A |
| Alarm           | N/A |

### Electrical

|                   |                               |
|-------------------|-------------------------------|
| Power Supply      | DC12V, PoE (802.3af)(Class 0) |
| Power Consumption | <5.5W                         |

### 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    | N/A                                                   |

### Construction

|              |                           |
|--------------|---------------------------|
| Casing       | Metal+Plastic             |
| Dimensions   | 108mm×84.9mm(4.25"×3.15") |
| Net Weight   | 0.23Kg(0.51lb)            |
| Gross Weight | 0.387Kg(0.85lb)           |

## Dimensions (mm/in)

