





5MP · H.265 · Smart Stream II · 1080p 60 fps · WDR Pro · SNV · PIR · P-iris · 30M IR

VIVOTEK's FD9181-HT is a brand-new professional H.265 highefficiency indoor dome network camera, offering 30 fps @ 5-Megapixel or 60 fps @ 1080p with outstanding image quality. By employing H.265 technology, the camera is able to provide higher and more efficient image compression rates than previous H.264 systems. In addition, VIVOTEK's sophisticated Smart Stream II technology enables the cameras to optimize quality for desired regions and therefore to maximize efficiency of bandwidth usage. Combining both H.265 and Smart Stream II, the FD9181-HT can reduce bandwidth and storage consumption by up to 80%\* while retaining exceptional 5-Megapixel image quality.

To meet the demands of indoor applications, VIVOTEK's FD9181-HT features a built-in PIR sensor to help detect any unexpected events and to provide real-time responses.

\* Depending on scenes

## **Key Features**

- · H.265 Compression Technology
- · 1/1.8" Progressive CMOS Sensor
- · 30 fps @ 2560x1920, 60 fps @ 1920x1080
- · Smart Stream II to Optimize Bandwidth Efficiency
- · WDR Pro for Unparalleled Visibility in High Contrast **Environments**
- · Built-in IR Illuminators, Effective up to 30 Meters
- · Remote Focus for Easy Focus Adjustments
- · SNV (Supreme Night Visibility) for Low Light Conditions
- · PIR
- · Video Rotation for Corridor View
- · P-iris Lens
- · DIS (Digital Image Stabilization)











Hotel



Restaurant

Store

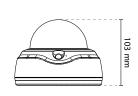
### **Technical Specifications**

| System Information  CPU  Multimedia SoC (System-on-Chip)  Flash  128M8  RAM  512M8  Camera Features  Image Sensor  1/1.8° Progressive CMOS  Maximum Resolution  2560x1920 (SMP)  Lens Type  Vari-Focal  Focal Length  F = 4 - 9 mm  Aperture  F1.3 - F2.2  Auto-iris  Picils  Field of View  34' - 88' (Nertical) 35' (Nertical) 36' (Nertica |                                       |  |
|--|---------------------------------------|--|
| Page   | Model                                 | FD9181-HT  |
| Flash  | System Information                    |  |
| Camera Features     Image Sensor   | CPU                                   | Multimedia SoC (System-on-Chip)  |
| Image Sensor   |                                       |  |
| Image Sensor   |                                       | 512MB  |
| Maximum Resolution   2560x1920 (5MP)   | Camera Features                       |  |
| Lens Type Vari-Focal  Focal Length   | Image Sensor                          | 1/1.8" Progressive CMOS  |
| Focal Length  f = 4 ~ 9 mm  Aperture  F1.3 ~ F2.2  Auto-iris  P-iris  Field of View  45 * 93' (Horizontal) 34 * - 68' (Vertical) 64 * - 121' (Diagonal)  Shutter Time  1/5 sec. to 1/32,000 sec.  WDR Technology  WDR Pro  Day/Night  Removable IR-cut filter for day & night function  Minimum Illumination  0.04 Lux #F1.3 (Color) 0.001 Lux #F1.3 (B/W)  Pan/Tilt/Zoom ePT2: Functionallities 48x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators  30 meters  On-board Storage  Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression  H.265 & H.264: 30 fps # 25560x1920 30 fps # 1920x1080  MpEG: 12 fps # 25560x1920 30 fps # 1920x1080  MpEG: 12 fps # 25560x1920 30 fps # 1920x1080  MpEG: 12 fps # 25560x1920 30 fps # 1920x1080  MpEG: 15 fps # 25560x1920 30 fps # 1920x1080  Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness; contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Interface  Internal microphone input Audio output  Effective Range  Sm  Network  Users  Live viewing for up to 10 clients  Protocols  Protocols  Interface  Live viewing for up to 10 clients  Interface  Internal microphone input Audio Audio output  FFI. Pi-Ch NTP, DIS, DDNs, PPPoE, CoS, QoS, SNNMP, 802.1X, UpP, ICMP, ARP, SSU, TLS  IN Live live live in the privace ment of the use standard CATSe & CAT6 cables  Interface  Interface  Interface  Interface  Internal microphone input Audio to use standard CATSe & CAT6 cables  | Maximum Resolution                    |  |
| Aperture FI.3 ~ F2.2  Auto-iris P-iris  Field of View 34 ~ 68" (Vertical) 34 ~ 68" (Ve |                                       | 1  |
| Auto-iris P-iris  Field of View 345" ~ 93" (Horizontal) 34" ~ 68" (Vertical) 34" ~ 68" ~ 68" ~ 68" (Vertical) 34" ~ 68"  |                                       |  |
| Field of View 34° - 93' (Horizontal) 34° - 68' (Vertical) 66° - 121' (Diagonal)  Shutter Time 1/5 sec. to 1/32,000 sec.  WDR Technology WDR Pro  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.04 Lux @ F1.3 (Color) 0.001' Lux @ F1.3 (R)W)  Pan/Titl/Zoom ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators 30 meters  On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression H.265 & H.264 & MJPEG  Maximum Frame Rate 18-256 & H.264 & MJPEG  Maximum Streams 4 simultaneous streams  5/N Ratio 57 dB  Dynamic Range 100 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Image Settings 25d Surges contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols 10 Base-T/100 Bas | · · · · · · · · · · · · · · · · · · · |  |
| Shutter Time 1/5 sec. to 1/32,000 sec.  WDR Technology WDR Pro  Day/Night Removable IR-cut filter for day & night function  Minimum Illumination 0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)  Pan/Tilt/Zoom ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators 30 meters  On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression H.265 & H.264 & MJPEG  Maximum Frame Rate H.265 & H.264 & MJPEG  Maximum Streams 4 simultaneous streams  S/N Ratio 57 dB  Dynamic Range 100 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Interface Internal microphone description, SMP, SMP, FTP, DHCP, RTSP/RTP/RTCP, IGMP, SMPT, FTP, DHCP, RTSP, DTP, DTP, DTP, DTP, RTSP/RTP/RTCP, IGMP, SMPT, FTP, DHCP, RTSP, DTP, DTP, DTP, DTP, DTP, CS, QoS, SMMP, SOL IX, UDP, ICMP, ARP, SSL ILS  Interface Interface SMP, ASD, SMP, SMPT, FTP, DHCP, RTSP, LTS, ITS  Interface Internal microphone de set standard CATSe & CAT6 cables  Interface Internal microphone de set standard CATSe & CAT6 cables  |                                       | 45' ~ 93' (Horizontal)<br>34' ~ 68' (Vertical)   |
| WDR Technology         WDR Pro           Day/Night         Removable IR-cut filter for day & night function           Minimum Illumination         0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)           Pan/Tilt/Zoom functionalities         ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)           IR Illuminators         30 meters           On-board Storage         Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording           Video         Compression           H.265 & H.264 & MJPEG           Maximum Frame Rate         H.265 & H.264 & MJPEG           Maximum Streams         4 simultaneous streams           S/N Ratio         57 dB           Dynamic Range         100 dB           Video Streaming         Adjustable resolution, quality and bitrate Smart Stream II           Image Settings         Adjustable resolution, quality and bitrate Smart Stream II           Image Settings         Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS           Audio         Audio Capability         Two-Way Audio (full duplex)           Compression         G711, G726           Internal microphone input Audio output         Live viewing for up to 10 clients           Protocols   | Shutter Time                          | -  |
| Day/Night  Removable IR-cut filter for day & night function  0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (R)W)  Pan/Tilt/Zoom EPTZ: Functionalities  48 x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators  30 meters  On-board Storage  Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression  H. 265 & H. 264 & MJPEG  H. 265 & H. 264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080  MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080  Maximum Streams  4 simultaneous streams  S/N Ratio  57 dB  Dynamic Range  100 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio  Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Interface  Internal microphone input Audio output  Effective Range  Sm  Network  Users  Live viewing for up to 10 clients  IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPPP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, Cos, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  Interface  Interface Interface Internal microphone layer, ARP, SSL, TLS  Interface Interface Interface Internal microphone layer, ARP, SSL, TLS  Interface Internal microphone layer, ARP, SSL, TLS  Interface Interface Internal microphone layer, ARP, SSL, TLS  Interface Internal microphon |                                       |  |
| Pan/Tit/Zoom ePTZ: Functionalities 48x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators 30 meters  On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression H.265 & H.264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MpEC: 12 fps @ 2560x1920 30 fps @ 1920x1080  Maximum Streams 4 simultaneous streams  S/N Ratio 57 dB  Dynamic Range 100 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface its highly recommended to use standard CATSe & CAT6 cables  |                                       | Removable IR-cut filter for day & night function   |
| Functionalities 48x digital zoom (4x on IE plug-in, 12x built in)  IR Illuminators 30 meters  On-board Storage Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  Video  Compression H.265 & H.264 & MJPEG  H.265 & H.264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 30 fps @ 1920x1080 MJPEC: 12 fps @ 2560x1920 MJPEC: 12 fps @ 2560x1 | Minimum Illumination                  |  |
| Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording  |                                       |  |
| Video     Seamless Recording       Compression     H.265 & H.264 & MJPEG       Maximum Frame Rate     H.265 & H.264 & MJPEG       Maximum Frame Rate     H.265 & H.264 & MJPEG       10 fps @ 1920x1080     MJPEG & MJPEG       12 fps @ 2560x1920     30 fps @ 1920x1080       Maximum Streams     4 simultaneous streams       S/N Ratio     57 dB       Dynamic Range     100 dB       Video Streaming     Adjustable resolution, quality and bitrate Smart Stream II       Image Settings     Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS       Audio     Audio       Audio Capability     Two-Way Audio (full duplex)       Compression     G711, G726       Interface     Internal microphone input Audio output       Effective Range     5m       Network     Users       Users     Live viewing for up to 10 clients       Protocols     IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPDeE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS       Interface     "It is highly recommended to use standard CAT5e & CAT6 cables   | IR Illuminators                       | 30 meters  |
| Compression  | On-board Storage                      |  |
| H.265 & H.264: 30 fps @ 2560x1920 60 fps @ 1920x1080 MIPEG: 12 fps @ 2560x1920 30 fps @ 1920x1080  Maximum Streams 4 simultaneous streams  S/N Ratio 57 dB  Dynamic Range 100 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols Interface Interface NTP, PND, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface *tl is highly recommended to use standard CAT5e & CAT6 cables  | Video                                 |  |
| Maximum Frame Rate  30 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920 30 fps @ 1920x1080 MPEG: 12 fps @ 2560x1920 30 fps @ 1920x1080  Maximum Streams  4 simultaneous streams  S/N Ratio  57 dB  Dynamic Range  100 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio  Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Internal microphone input Audio output  Effective Range  5m  Network  Users  Live viewing for up to 10 clients  Protocols  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  *tl is highly recommended to use standard CAT5e & CAT6 cables   | Compression                           | H.265 & H.264 & MJPEG  |
| S/N Ratio  Dynamic Range  100 dB  Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio  Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Internal microphone input Audio output  Effective Range  5m  Network  Users  Live viewing for up to 10 clients  Protocols  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  *It is highly recommended to use standard CAT5e & CAT6 cables  | Maximum Frame Rate                    | 30 fps @ 2560x1920<br>60 fps @ 1920x1080<br>MJPEG:<br>12 fps @ 2560x1920   |
| Dynamic Range 100 dB  Video Streaming Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface "It is highly recommended to use standard CAT5e & CAT6 cables"   | Maximum Streams                       | 4 simultaneous streams   |
| Video Streaming  Adjustable resolution, quality and bitrate Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Interface  Internal microphone input Audio output  Effective Range  5m  Network  Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPOE, COS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  *It is highly recommended to use standard CAT5e & CAT6 cables   | S/N Ratio                             | 57 dB  |
| Smart Stream II  Time stamp, text overlay, flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  IPV4, IPV6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  Interface  *It is highly recommended to use standard CAT5e & CAT6 cables   | Dynamic Range                         | 100 dB   |
| Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks Scheduled profile settings, 3DNR, video rotation, defog, DIS  Audio  Audio Capability Two-Way Audio (full duplex)  Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface *tl is highly recommended to use standard CAT5e & CAT6 cables  | Video Streaming                       | Adjustable resolution, quality and bitrate<br>Smart Stream II  |
| Audio Capability  Two-Way Audio (full duplex)  Compression  G711, G726  Interface  Internal microphone input Audio output  Effective Range  5m  Network  Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  Interface  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | lmage Settings                        | Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks |
| Compression G711, G726  Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Audio                                 |  |
| Interface Internal microphone input Audio output  Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Audio Capability                      | Two-Way Audio (full duplex)  |
| Effective Range 5m  Network  Users Live viewing for up to 10 clients  Protocols IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Compression                           | G711, G726   |
| Network  Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables   | Interface                             |  |
| Users  Live viewing for up to 10 clients  IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Effective Range                       | 5m   |
| IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Network                               |  |
| Protocols SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, SSL, TLS  10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables  | Users                                 | Live viewing for up to 10 clients  |
| Interface *It is highly recommended to use standard CAT5e & CAT6 cables  | Protocols                             | SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP,  |
|  | Interface                             | *It is highly recommended to use standard CAT5e & CAT6 cables  |

| ONVIF                  | Supported, specifications available at www.onvif.org  |
|------------------------|---|
| Intelligent Video      |   |
| Video Motion Detection | Five-window video motion detection  |
| VCA*                   | Line crossing detection, field detection, loitering detection   |
| Alarm and Event        |   |
| Alarm Triggers         | Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection |
| Alarm Events           | Event notification using digital output, HTTP, SMTP, FTP and NAS server, SD Card File upload via HTTP, SMTP, FTP, NAS server and SD card              |
| General                |   |
| Smart Focus System     | Remote Focus  |
| Connectors             | RJ-45 cable connector for Network/PoE connection<br>Audio input<br>Audio output<br>DC 12V power input<br>Digital input*1<br>Digital output*1          |
| LED Indicator          | System power and status indicator   |
| Power Input            | DC12V<br>IEEE 802.3af/at PoE Class 0  |
| Power Consumption      | Max. 12.8 W   |
| Dimensions             | Ø 138 x 103 mm  |
| Weight                 | 530 g   |
| Safety Certifications  | CE, LVD, FCC Class B, VCCI, C-Tick, UL  |
| Operating Temperature  | Starting Temperature: 0'C ~ 50'C (32'F ~ 122'F) Working Temperature: -10'C ~ 50'C (14'F ~ 122'F)  |
| Humidity               | 90%   |
| Warranty               | 36 months   |
| System Requirements    |   |
| Operating System       | Microsoft Windows 8/7/Vista/XP/2000   |
| Web Browser            | Mozilla Firefox 7~10 (streaming only)<br>Internet Explorer 7/8/9/10/11  |
| Other Players          | VLC: 1.1.11 or above<br>Quicktime: 7 or above   |
| Included Accessories   |   |
| CD                     | User's manual, quick installation guide, Installation Wizard 2, VAST  |
| Others                 | Quick installation guide, screw pack, alignment sticker, CD   |

# Dimensions





\* Available per project request.

#### **Compatible Accessories**

### Mounting Kits



AM-215 (v02) L Shape Bracket



AM-514 Adapter Ring



AM-527 (v01) Mounting Adapter



AM-712 (v03) Conduit Box



Pro C

AP-FXC-0201 PoE Extender with Conduit Box

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