



## ANNEKAL-8MP-8MM-ULTRA



- ⇒ Max support 8MP 3840\*2160@25fps
- ⇒ Support Sub-stream resolution D1(720\*576)\VGA(640\*480)\Q720P(640\*360)\864\*480
- ⇒ Support Area Intrusion, Line-Crossing Detection, Loitering, Absent Alarm, Vehicle Illegal Parking, Vehicle Retrograde
- ⇒ Built-in human detection algorithm
- ⇒ Detection frame 5fps, detect 5-10 people at the same time
- ⇒ Low consumption, low code stream, low delay
- ⇒ S.265 compression format, save bandwidth and storage space
- ⇒ Support Smart IR to avoid Infrared over-exposure at night
- ⇒ Support ICR auto switch, achieve best result for Day & Night video
- ⇒ Support PoE
- ⇒ Support 3D DNR and digital WDR
- ⇒ Support auto-electronic shuttle to suit different surveillance environment
- ⇒ Support Alarm Recording Linkage
- ⇒ Built in Mic
- ⇒ Support HTTPS encrypted transmission
- ⇒ Support Onvif, email, NTP service
- ⇒ Change the password during initial use to ensure the security of the password
- ⇒ Water and Dust Resistant (IP67)



# Specification

## Camera

Chipset	T41NQ
Sensor	1/2.7", 8MP low illumination CMOS sensor
Lens	8mm lens
Angle adjustment	Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°
Focal length & FOV	4 mm, horizontal FOV 78.7°, vertical FOV 43.1°, diagonal FOV 92.3°
D&N	ICR switch, auto/color/B&W/CDS trigger/customized time
D-WDR	Support (Off/Low/Middle/High)
IR Led Control	IR/warm/dual light, auto/manual/off, support 0-100 brightness adjust
IR Range	Upto 30m
3D DNR	Off/Low/Middle/High/Higher
Defog	Off/Low/Middle/High
Mirror	Off/horizontal mirror/vertical mirror/180° flip
Image Setting	Brightness, Contrast, Sharpness, Saturation, Chroma

## Normal Events

Motion Detection	a, 1) Support day arming / night arming mode; 2) Support to configure the customized arm time by week, with 4 time periods per day; b, Support full screen / area detection; c, Linkage setting support: upload mail / voice broadcast alarm / alarm light;
Occlusion Alarm	a, 1) Support day arming / night arming mode; 2) Support to configure the customized arm time by week, with 4 time periods per day; b, Support one detection area; c, Linkage setting support: upload mail / voice broadcast alarm / alarm light;
Privacy Mask	a, Support 4 areas

## Intelligent Events

Area Intrusion	a, 1) Support day arming / night arming mode; 2) Support to configure the customized arm time by week, with 4 time periods per day; b, Support one detection area, and can draw a multi deformation detection area (Detection area is consist of six points); c, Support video stream overlay detection frame; d, Support specified target type detection: human, motor vehicle (non motor vehicle also can be detected); e, Linkage setting support: upload mail / voice broadcast alarm / alarm light;
Line-Cross Detection	a, 1) Support day arming / night arming mode; 2) Support to configure the customized arm time by week, with 4 time periods per day; b, Support one detection line, supports detection directions: A->B; ; c, Support video stream overlay detection frame; d, Support specified target type detection: human, motor vehicle (non motor vehicle also can be detected); e, Linkage setting support: upload mail / voice broadcast alarm / alarm light;
Loitering	a, 1) Support day arming / night arming mode; 2) Support to configure the customized arm time by week, with 4 time periods per day; b, Support one detection area, and can draw a multi deformation detection area (Detection area is consist of six points); c, Support video stream overlay detection frame; d, Support Loitering time setting[10-3600]S; e, Linkage setting support: upload mail / voice broadcast alarm / alarm light;

Absent Alarm	<ul style="list-style-type: none"> <li>a, 1) Support day arming / night arming mode;</li> <li>2) Support to configure the customized arm time by week, with 4 time periods per day;</li> <li>b, Support one detection area, and can draw a multi deformation detection area (Detection area is consist of six points);</li> <li>c, Support video stream overlay detection frame;</li> <li>d, Support absent time setting[10-3600]S;</li> <li>e, Support at least 1-3 people on duty;</li> <li>f, Linkage setting support: upload mail / voice broadcast alarm / alarm light</li> </ul>
Vehicle Illegal Parking	<ul style="list-style-type: none"> <li>a, 1) Support day arming / night arming mode;</li> <li>2) Support to configure the customized arm time by week, with 4 time periods per day;</li> <li>b, Support one detection area, and can draw a multi deformation detection area (Detection area is consist of six points);</li> <li>c, Support video stream overlay detection frame;</li> <li>d, Support illegal parking time setting [10-3600]S;</li> <li>e, Linkage setting support: upload mail / voice broadcast alarm / alarm light;</li> </ul>
Vehicle Retrograde	<ul style="list-style-type: none"> <li>a, 1) Support day arming / night arming mode;</li> <li>2) Support to configure the customized arm time by week, with 4 time periods per day;</li> <li>b, Supports one detection areas, and can draw a multi deformation detection area (Detection area is consist of four points);</li> <li>c, Support video stream overlay detection frame;</li> <li>d, Supports Four detection directions, Detection line support B-&gt;A direction</li> <li>e, Linkage setting support: upload mail / voice broadcast alarm / alarm light;</li> </ul>

## Audio & Video Encoding

Standard Encoding Feature	<p>S.265 / H.265/ H.264</p> <p>Main stream:</p> <p>PAL: 8MP(3840*2160@25fps) , 5MP (2592*1904@25fps), 4MP(2560*1440@25fps), 3MP(2304*1296@25fps), 2MP(1920*1080@25fps) NTSC:8MP(3072*2048@25fps),5MP(2592*1904@25fps) 4MP(2560*1440@25fps),3MP(2304*1296@25fps),2MP(1920*1080@25fps,</p> <p>Sub-stream:</p> <p>PAL: D1(720*576)@25fps,VGA(640*480)@25fps,Q720P(640*360)@25fps, 864*480@25fps NTSC: D1(720*576)@30fps,VGA(640*480)@30fps,Q720P(640*360)@30fps,864*480@30fps</p>
Max Resolution	8MP 3840*2160
Video Code Rate	Fixed code rate, variable code rate
Video Type	Composited stream/video stream
Audio Standard	G.711u/G.711A 8K 64bit

## Network Function

Network Protocol	TCP/IP, UDP, HTTP, HTTPS, DHCP, PPPoE, HTTP, HTTPS, RTSP, RTMP, DDNS, UPNP, FTP
Connection Protocol	Onvif/I8H/HIK Protocol /TST Protocol
Security Mode	Authorized user name and password, HTTPS encryption, AES connecting encryption, RTSP verification
Motion Detection Occlusion Alarm	Set detection area, can set multi-level sensitivity
Privacy Mask	Support 1 area
Schedule Linkage	Support 4 areas
	Upload Email upload picture
	Arming time support day arming/ night arming /customized arming
Device Abnormal Inspection	Support disconnection alarm, IP conflict alarm, illegal access alarm
Character Overlay (OSD)	Support time OSD/Title OSD, multi-line OSD (two lines)
	Main stream font support 12-60pt, sub stream font support 12-36pt,

### Port

Network Port RJ45 10M/100M network self-adaptation  
 Audio Built in Mic

### General

Power Supply Built in POE  
 Material Metal Body  
 Dimension 230mm x 73mm x 66mm (9.0" x 2.8" x 2.5")  
 Package Dimension 232mm x 112mm x 117mm (9.1" x 4.4" x 4.6")  
 Weight 430 approx.  
 Package Gross Weight 580 approx.  
 Working Temperature -10°C ~ 50°C  
 Working Humidity 0%~90%

### NVR Configuration

App Support SeeEasy/Support IMS lite/Support NVR;

