

IPA800Z30 8MP 30X ZOOM IP Camera



Key Features:

- 30X ZOOM LENS,4.3-129mm,F1.6-F3.8
- Mstar SSC378QE processing chip+1/2.8"SONY IMX415 CMOS
- The highest pixel is up to 8MP,3840x2160@20fps
- H.265 compression algorithm,effectively reducing network bandwidth,supporting dual stream, supporting mobile phone monitoring
- support fog function,support WDR,HDR. Support strong light suppression function.
- Support intelligent analysis: humanoid,model,electric vehicle,bicycle detection,support for custom areas;
- Support multiple network protocols: TCP/IP,HTTP,TCP,ICMP,UDP,ARP,IGMP,SMTP,FTP,DHCP, DNS,DDNS,NTP,UPNP,RTSP,RTMP,etc.
- Support ONVIF protocol,Hikvision protocol
- Support alarm picture sending E-Mail
- Support alarm picture upload FTP server
- Support alarm I/O
- Support timing capture pictures to FTP server
- Support static IP, also support dynamic IP (DHCP)
- Support P2P plug and play
- Support IE,Google,Firefox browser
- Provide motion detection (area, sensitivity can be set) alarm function

Technical specifications:

Image Sensor	
Sensor	1/2.8" 8MP Sony IMX415 CMOS
Maximum Resolution	3840*2160@20fps
Minimun illumination	Color:0.05Lux B/W:0.01Lux
Function	
WDR	73.7dB
S/N Ratio	≥50dB(AGC OFF)
Exposure Mode	Program mode, shutter mode
Shutter Speed	1/2 - 1/20 ,000s,Slow shutter support
D/ N Mode	Auto ICR filter fixed color,external
SHOT	
Focus Distance	4.3-129mm(F1.6-F3.8)
Compressed Format	
Video Compression	H.265+/H.265/ H.264
Audio Compression	G.726/G.711/ACC
Image Resolution	
Main Stream	3840*2160@20fps,2592*1944/2560*1440/2304*1296@30fps,1920*1080@30fps
Sub Stream	720*480,D1,VGA,640*360,480*360,CIF
Storage	
SD Storage	TF card storage(optional)
General Protocol	
network protocol	TCP/IP,HTTP,ICMP,UDP,ARP,IGMP,SMTP,FTP,DHCP,NTP,RTSP,RTMP.
ONVIF protocol	Standard ONVIF
Network Interface	
wired	1ch 10/100BaseT Ethernet, RJ45 interface
Other	
power supply	DC12V
Size	94x50x60mm
Work Temperature	-30°C ~60°C
Working humidity	10%-90% RH (non-condensing)

Interface Pin Definition:

Interface definition diagram



CN1:LAN 1:TX-, 2:TX+, 3:RX-, 4:RX+
CN2:Power+Visca+UART 1:TXD0,2:RXD0,3:TXD1 UART1 (Pleco-d,9600),4:RXD1 UART2, 5: GND,6:DC12V
CN3:AF 1:GND,2:AF_TX,3:AF_RX,4:speaker_EN(output3.3V when audio out work)
CN4:Power+LAN 1:DC12V,2:GND,3:RX-,4:RX+,5:TX-,6:TX+,7:LED1+,8:LED2+
CN5:Fill light control port 1:White LED(Output 3.3VWhen the camera night image becomes color) 2:IR LED(Output 3.3VWhen the camera night image becomes B/W.) 3:GND
CN6:Reset button 1:Reset,2:GND
CN7:USB 1,USB3.3V,2:USB_D+,3:USB_D-,4:GND
CN8:Audio 1,GND,2:Audio out,3:Audio in,4:GND

Interface	pin	Pin name	Functional parameter
CN1	1	RX-	RX-
	2	RX+	RX+
	3	TX-	TX-
	4	TX+	TX+
CN2	1	TXD0	P/T RXD
	2	RXD0	P/T TXD
	3	TXD1 UART2	TTL
	4	RXD1 UART2	ICR(VISCA/IR ICR)
	5	GND	signal ground
	6	DC12V	12 Power supply
CN5	1	White LED	Output 3.3V when the camera night image become color
	2	IR LED	Output 3.3V when the camera night image become B/W
	3	GND	GND
CN6	1	RESET	Reset
	2	GND	GND
CN7	1	USB 3.3V	3.3V
	2	USB_DM	USB_DM
	3	USB_DP	USB_DP
	4	GND	GND
CN8	1	GND	GND
	2	Audio out	Audio out
	3	Audio in	Audio in
	4	GND	GND