

ULTRA-Z IP

Z-20IP-3(IR)
Z-20IPE-2(IR)+

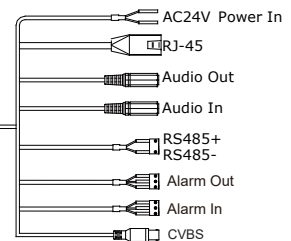


X20

Main Features:

- ONVIF
- Dual Video Stream
- H.264 Video Compression
- G.711U Audio Compression
- 2 Way Audio
- Alarm (I/O): 1 Input / 1 Output
- RS-485 Connectivity
- 100m IR Distance
- Preset speed of 350°/Sec (max)
- Preset accuracy up to 0.1°
- Endless 360° Pan Rotation
- 180° Continuous Tilt with Auto Flip
- 256 Preset Position
- 4 Pattern, 8 Scan Routes and 8 Cruise Lanes
- Park Action
- Fully function web-client
- 3D-DNR Noise Reduction
- Digital WDR
- IP66 Water-proof and Dust-proof
- Excellent High Resolution Picture Quality
- True Day/Night with ICR Filter
- WB/BLC/AGC

Cable Connectors Sketch



Specifications

Camera	Video	Model	Z-20IP-3 (IR)		Z-20IPE-2 (IR)+	
		Image Sensor	1/2.8" CMOS			
		Effective Pixels	2048×1536		1920×1080	
		Sync System	Progressive Scan			
		Electronic Shutter	1/25s ~ 1/10000s			
		Day & Night	ICR (Auto/Day/Night)			
		Min. Illumination	0.05 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)			
		S/N Ratio	>52dB			
	Lens	Optical Zoom	x20 (F1.6~4.7mm - F3.5~97mm)			
		Digital Zoom	x12			
		Focus	Auto / Manual			
		Minimum Focus Distance	1m			
	Audio	Horizontal Angle of View	54.1° (Wide) ~ 2.8° (Tele)			
		Audio compression	G.711-U			
	Image Enhancement	Communication	Two Way Audio			
		Image Settings	AWB Adjustable			
			Exposure Mode			
			Sharpness, Saturation, Brightness & Contrast Adjustable			
Auto Gain Adjustable						
BLC			Yes			
Sense-Up			Yes (5 Levels)			
WDR Range			Digital WDR			
Compression	Noise Reduction	3D-DNR				
	Image Orientation	Mirror/Flip				
	Privacy Zone	Yes				
	Motion Detection	Yes				
	Video Compression	H.264 Main Profile				
Compression	Resolution	Main Stream: 3MP, 1080P Sub-Stream: D1, CIF		Main Stream: 1080P, 720P Sub-Stream: D1, CIF		
	Multi-stream	3MP* (1~30fps) 1080P (1~30fps) 720P** (1~30fps) D1 (1~30fps) / CIF (1~30fps)				
	Bit rate	64Kbps ~ 8Mbps				
	Encode Mode	VBR/CBR				
	Image Quality	Six levels under VBR; Free adjustment under CBR				

Network	Remote Monitoring	IE Browsing, CMS 3.x Control Software	
	User Access	Supports simultaneous monitoring for up to 4 users with multi-stream real time transmission	
	Network Protocol	TCP/IP, UDP, DHCP, NTP, RTP, RTSP, UPnP, SNMP, PPPoE, DNS, DDNS, SMTP, FTP, HTTP, IPv4, IPv6	
	ONVIF	Yes	
	Ethernet	100Mbps	
	PoE	No	
Pan/Tilt	Pan/Tilt Range	360° (Endless) / -10°~180° (Auto Flip)	
	Pan/Tilt Speed	Max Preset Speed: Horizontal: 350°/s, Vertical: 120°/s Horizontal: 0.01°/s - 350°/s, Vertical: 0.01°/s - 120°/s	
	Presets	256	
	Patterns	4	
	Cruise	8	
	Scan	8	
Housing	Schedule	Yes	
	IR Distance	100m	
	Water-proof	IP66	
	Wiper	Optional	
	Fan & Heater	Optional	
	Bracket	Wall Bracket	
Connectivity	Dimensions	354L×341H×228W	
	Weight(gross)	5.8Kg	
	Network	RJ45	
	Power	DC Socket	
	Analog Video Output	Yes	
	Audio Connectivity	1Ch In / 1Ch Out	
Others	SD Card	No	
	RS485	Yes	
	Alarm	1Ch In / 1Ch Out	
	Power Supply	AC24V/3A	
	Work Environment	-10 C ~ 50 C, 10%~90% Humidity	

*Z-20IP-3(IR) Model Only. **Z-20IPE-2(IR) Model Only.