

# X2221-10-FL

## 4T 2MP Face Capture Bullet Camera

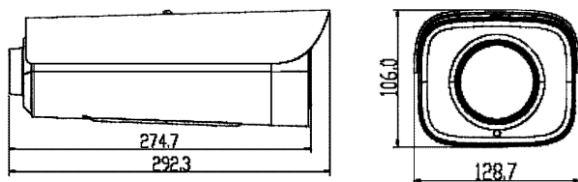


### Features

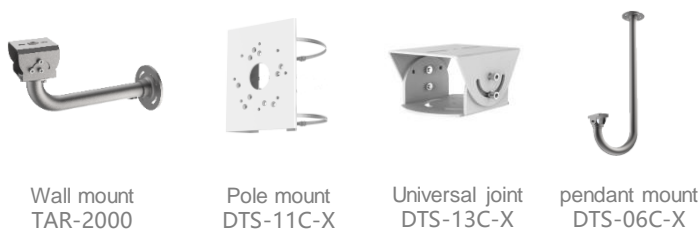
- Computing power 4 TOPS
- Support behavior analysis, exception detection, face and person, scene adaptation, AI proxy
- 1/1.8" progressive scan CMOS
- AI-based scene adaptation. The camera can detect scenarios in real time and make targeted setting optimization to improve imaging quality
- Highlight Compensation (HLC), preventing key information loss in highlight conditions
- 120 dB super Wide Dynamic Range (WDR), ensuring that both foreground and background objects are clearly identified in environments with sharp light contrast
- Intelligent defogging, enhancing image clarity in foggy environments
- Quick configuration of stream profiles
- Intelligent metadata extraction, providing a large amount of metadata for intelligent applications
- Super Error Concealment (SEC), ensuring smooth images in the case of 20% network packet loss rate

### Dimensions

Unit: mm



### Recommended Accessories



Wall mount  
TAR-2000

Pole mount  
DTS-11C-X

Universal joint  
DTS-13C-X

pendant mount  
DTS-06C-X

### Technical Specifications

Product Model	X2221-10-FL
<b>Intelligent Function</b>	
CPU	Hi3559A
Computing Power	4 TOPS
Behavior Analysis	Fast movement detection, abandoned object detection, removed object detection, tripwire crossing detection, intrusion detection, area entry/exit detection, and loitering detection(constraint scenario)
Exception detection	Audio existence detection, sudden volume increase or decrease detection, scene change detection, defocus detection and heat map(constraint scenario)
Face and person	Face capture, facial attribute recognition, person detection and personal attribute recognition(constraint scenario)
Scene adaptation	Real-time identification of the surveillance scene, targeted enhancement on imaging algorithms
AI proxy	1 + 2 (controlled by licenses)
<b>Camera</b>	
Image Sensor	1/1.8" 2-megapixel progressive scan CMOS
Memory	DDR4, 2GB
Flash	SPI NAND FLASH 512MB
Effective Pixels	1920 (H) x 1080 (V)
Minimum Illumination	Color: 0.0004 lux (F1.2, AGC ON, 1/30s shutter speed) B/W: 0.0001lux (F1.2, AGC ON, 1/30s shutter speed)
Day/Night Mode	Auto (ICR), color, or B/W
White Balance	Auto tracking/Auto/Manual/OnePush
WDR	120 dB, physical WDR
Backlight Compensation (BLC)	Supported (BLC area is selectable)
Highlight Compensation (HLC)	Supported
Image Defogging	Auto/Manual/Off
Digital Noise Reduction (DNR)	2D/3D noise reduction
<b>Lens and Illuminator</b>	
Focal Length	10-55mm
Maximum Aperture	F1.3(W) to F1.5(T)
Angle of view	Horizontal: 8.7° (T)~37.8° (W);Vertical: 5.0° (T)~21.4° (W)
Iris Type	P-iris
Maximum Radiation Distance	30 m
<b>Function</b>	
Video Encoding Format	H.265/H.264/MJPEG
Maximum Resolution	1920 x 1080
Frame Rate	Configurable (60 fps, 50 fps, 30 fps, or 25 fps)
Multi-Channel Encoding	Five streams
Area Cropping	Supported when the stream type is secondary stream 1
Intelligent Encoding	Extra265/264
Audio Compression Format	G.711a/G.711u/G.726/OPUS
Voice Communication	Voice intercom and broadcast, channel-associated voice
Camera Connection Protocol	GB/T 28181(2011,2016)、Huawei SDK、Huawei Rest API、GA/T 1400
Network Protocol	TCP, UDP, IPv4, IPv6, DHCP, DHCPv6, DNS, ICMP, ICMPv6, IGMP, HTTPS, FTP, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP(V1/V2/V3), 802.1x, QoS, DDNS, SMTP, PPPoE
Security Mode	User name and password authentication, 802.1X access authentication, and HTTPS digital certificate
Media Security	AES256-based SDK stream encryption
Video Digital Watermark	Fragile digital watermark (not supported in the MJPEG format)
Alarm Linkage	Alarm source: motion detection/lens blocking/Boolean value input/intelligent analysis alarms Linkage action: Boolean value output/SD card-based video recording/SD card-based snapshot/email sending
<b>Port</b>	
Network Port	Two RJ45 10M/100M/1000M adaptive Ethernet ports
Communication Serial Port	One RS-485 port
Alarm Port	2 alarm input ports and 1 alarm output ports
Audio Port	1 audio input port and 1 audio output port
Storage Port	MicroSD card slot that supports microSDHC/microSDXC; maximum memory card capacity: 256 GB
<b>General Specifications</b>	
Power Supply	24V AC
Power Consumption	Maximum: 32 W; Typical: 8.5 W
Operating Temperature	-40° to +60 °C (strobe light off), -40° to +40 °C (strobe light on)
Operating Humidity	5% to 95% (non-condensing)
Surge Protection Rating	4kV
Ingress Protection Rating	IP67
Impact Protection Rating	IK10 (except the viewing window)
Weight	Net weight: 2.36kg; Gross weight: 3.3kg
Dimensions (H x W x D)	Device: 106 × 129 × 292.5mm; Packing: 146 × 259 × 533mm