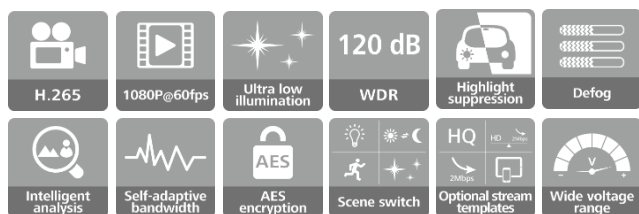


# M1220

## 2MP Super starlight Box Camera

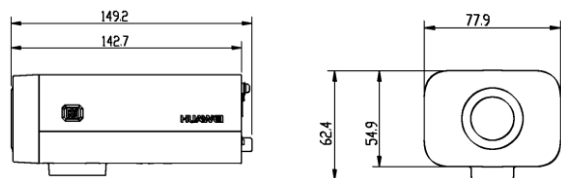


### Features

- 1/1.8" progressive scan CMOS
- Dual-channel 1080p HD video encoding
- H.265/H.264 HD low-bit-rate encoding
- Automatic ICR, day/night surveillance, and image enhancement in low illumination conditions
- Ultra Wide Dynamic Range (WDR)
- Defogging
- Intelligent behavior analysis, audio analysis and metadata backhaul
- Super error concealment (SEC)
- Streams encrypted through AES
- Ultra wide operating voltage range, ultra wide operating temperature range
- PoE and AC/DC power supplies

### Dimensions

Unit: mm



### Optional Accessories



Wall-mount bracket  
DTS-12C



Pole-mount bracket  
DTS-11C



Universal joint  
DTS-13C

### Specifications

Model Item	M1220
<b>Camera</b>	
Image sensor	1/1.8" 2.0 megapixel progressive scan CMOS
Effective pixels	1920 × 1080
Min. illumination	Color: 0.0002 lux (F1.5, AGC ON) B/W: 0.0001 lux (F1.5, AGC ON)
Day/Night mode	Auto (ICR)/Color/Monochrome
Shutter speed	1/3s to 1/68250s
Gain control	Automatic/Manual
Wide dynamic range (WDR)	120 dB
Backlight compensation	Supported. You can select a region
Highlight suppression	Supported
Image stabilization	Electronic image stabilization
Image Defogging	Automatic/Manual/Close
White balance	Auto-track/Manual/Auto
Digital noise reduction	Self-adaptive to 2D or 3D DNR
<b>Lens</b>	
Lens interface	C- or CS-mount
Auto iris	P-Iris
<b>Function</b>	
Video compression	H.265/H.264/MJPEG
Smart encoding	Extra265/264
Max. resolution	1920 x 1080
Frame rate	60Hz: 60/30/20 to 1fps; 50Hz: 50/25/20 to 1fps
Video bit rate	32 kbit/s to 16 Mbit/s
Multiple streaming	Dual-channel 1080p HD video encoding/Five streams
Media stream set	Four predefined packages(High quality, Balanced, Low bandwidth, and Low-pixel) and four customized packages
Quick configuration	7 predefined typical scenarios(Outdoor, Indoor, Virtual checkpoint, Low-light, Backlight, Fog, and Face application mode) and 8 user-defined scenarios.
Audio compression	G.711a/G.711u/G.726/OPUS
Audio communication	Voice intercom, voice broadcast, and channel-associated voice
PU access protocol	ONVIF Profile S/G/T protocols, GB/T 28181-2016 and HUAWEI SDKs
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, SSH and TLS
Security mode	User name and password authentication, 802.1x, and HTTPS digital certificate
Stream encryption	Stream encryption using the AES256 encryption algorithm, and digital watermark
Alarm actions	Alarm source: motion detection alarm/tampering alarm/Boolean value input alarm/intelligent analysis alarm. Linked object: Boolean value output/preset position/tour track/scanning/SD card recording/SD card snapshot/email sending/Pre-recording
<b>Intelligent analysis</b>	
Behavior analysis	Fast-moving object detection, abandoned object detection, removed object detection, cross line detection, intrusion detection, area enter/exit detection, loitering detection, crowd gathering detection
Exception Detections	Image quality diagnosis, audio analysis, scene change detection and defocus detection
Object Detection	Face detection
<b>Interface</b>	
Ethernet interface	1x RJ-45 10/100/1000 Mbit/s self-adaptive Ethernet interface
Optical port	1 SFP slot
Dual-Port Ethernet	Support with Ethernet port forwarding between Fiber optic and Copper ports
Serial interface	1x RS-485 port
Alarm interface	1-channel alarm input and 1-channel alarm output
Analog video interface	1-channel CVBS output
Audio interface	1-channel audio input and 1-channel audio output.
Memory card slot	1x Micro SD/SDHC/SDXC slot supporting memory card up to 256 GB
<b>General parameter</b>	
Power supply	DC12V±25%, DC24V±25%, AC24V±25%, PoE(IEEE 802.3at)
Power consumption	Typical 7 W, maximum 10 W
Operating temperature	-30 °C to +60 °C
Operating humidity	5% to 95% (non-condensing)
Surge suppression	6kV
Weight (excluding lens)	Net weight: 0.5 kg, gross weight: 0.6 kg
Dimensions (excluding lens)	Device: 77.9×62.4×149.2 mm, packing: 228 x 123 x 105 mm