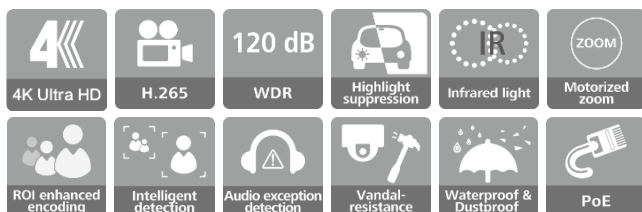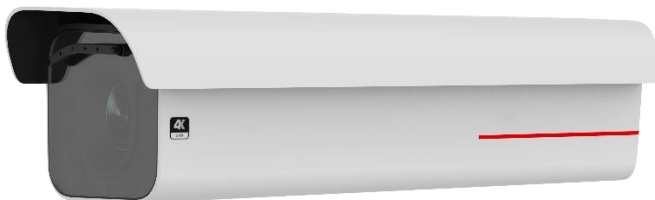# IPC6285-VRZ

4K UHD STARSHOT Intelligent Network All-in-One Camera

(Equipped with Camera, Lens, IR LEDs, Fan, Heater, Wiper and housing)
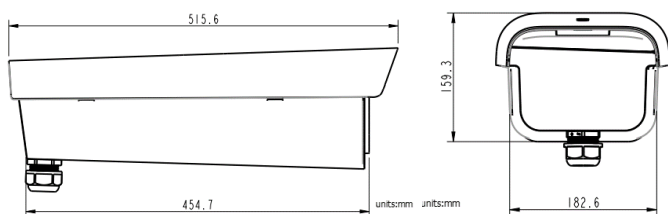

4K Ultra HD	**H.265**	**120 dB WDR**	**Highlight suppression**	**Infrared light**	**Motorized zoom**
ROI enhanced encoding	**Intelligent detection**	**Audio exception detection**	**Vandal-resistance**	**Waterproof & Dustproof**	**PoE**

Features

- 4K(3840×2160) Ultra HD, up to 10 MP resolution
- Ultra low-light performance by taking advantage of the large 4/3" back-illuminated optical system
- Ultra WDR up to 120 dB for superb detail environments with high contrast between light and dark areas
- A maximum of 30fps stream at 4K resolution for H.264/H.265 encoding
- Highlight suppression, preserving the key information from strong headlights
- Intelligent defog, significantly improving visibility
- Intelligent behavior analytics, exception audio detection
- Dual-Port Ethernet
- Ultra wide operating voltage range: ±25%
- IP66 ruggedized housing

Dimension

Unit：mm

Optional Accessories

Pole-mount bracket
DTS-11C

3-axis gimbal
ACC-B511-D

Specifications

Product model	IPC6285-VRZ
Camera	
Image sensor	4/3" 10 MP progressive scan CMOS
Effective pixels	10 MP(3648×2736), 4K UHD (4096×2160, 3840×2160)
Min. Illumination	Color: 0.008lux (F1.5, AGC ON) B/W : 0.008lux (F1.5, AGC ON), 0 lux with IR on
Day and night	Auto/Color/Monochrome (Infrared-cut filter)
Shutter time	1/3s ~1/68250s
Gain control	Auto/Manual
WDR	120dB
BLC	Supported
Highlight suppression	Supported
Image stabilization	Electronic image stabilization
Defog	Automatic/Manual
White balance	Auto/Auto-tracking/Manual/One-off calibration
Digital noise reduction	2D/3D DNR
IR coverage	160 m
Integrated wiper	Supported
Lens	
Focal length	12-84mm, horizontal field of view: 74°(Wide) ~ 11°(Tele)
Max. Aperture	F1.5
Auto-Iris	P-iris
Function	
Video compression	H.265/H.264/MJPEG
Max. Frame rate	10 MP@25fps, 4K@30/25fps
Video bit rate	32Kbps to 16Mbps
Video function	ROI, regional cropping, picture overlay, privacy masks
Audio compression	G.711a/G.711u/G.726/OPUS
Stream transmission	Treble streams, super error concealment, traffic shaping
System integration	ONVIF Profile S/G, Genetec Protocol v1.00, HUAWEI SDK
Network protocol	TCP , UDP , IPv4 , IPv6 , DHCP , DHCPv6 , DNS , ICMP , ICMPv6 , IGMP , HTTP , HTTPS , FTP , SFTP , RTP , RTSP , RTCP , SIP , ARP , SSL , NTP , SNMP (V1/V2/V3) , 802.1x , QoS , DDNS , SMTP
Cyber security	User 3-level authentication, 802.1x authentication, and EAP-TLS, HTTPS digital certificate, IP address filtering
Media security	AES256 encryption algorithm, and Digital Watermark
Intelligent analytics	Face detection, Crossing line detection, Loitering detection, Intrusion detection, Abandoned/removed object detection, Region entrance/exiting detection, Quick movement detection, Color recognition, Vehicle and pedestrian classification
Intelligent detections	Motion detection, Scene change detection, Defocus detection, Over-temperature detection, Local storage failure detection, Sudden audio increase/decrease detection, Audio loss detection
Alarm actions	External alarm output, SD card recording, snapshot and pre-recording
Interface	
RJ-45 interface	1x 10/100/1000 Base-T RJ-45 Ethernet interface
SFP slot	1x SFP slot for SFP fiber optic modules
Dual-Port Ethernet	Support with Ethernet port forwarding between Fiber optic and Copper ports
Serial interface	1x RS-485 port (PELCO-P/D protocol)
Analog video interface	1-channel analog video output through the CVBS interface, BNC connector
Alarm interface	2-channel alarm input and 2-channel alarm output
Audio interface	1-channel audio input and 1-channel audio port
Memory interface	1x MicroSD slot supporting memory card up to 128 GB
General	
Power supply	AC24V±25%/ POE++ Adapter/ HuaWei AR550C
Power consumption	Typ.22.5W , Max.54.0W
Operating temperature	−40 to 60°C
Operating humidity	5% to 95% (non-condensing)
Surge suppression	10kV surge voltage
IP protection class	IP66
Vandal−proof Class	IK10 vandal−proof metal casing
Anti-corrosion	Satisfies 10 days salt spray tests
Net weight	6.6kg
Gross weight	8.6kg
Physical dimensions	516.0×215.6×159.0mm
Packing dimensions	678.0×329.0×325.00 mm