【Datasheet】UNV HC191 ITS 9MP Infrared-Checkpoint-Capture-Units（Sky-eye III）

HC191@GI-OSN

Features

- 9MP industrial camera with wide field of view.

- Excellent performance in low light environments.

- Shipped with an Ethernet extension cable for easy operation.

- Advanced H.265 encoding technology improves compression efficiency.

- Three streams are available for live view and storage to meet different bandwidth and frame rate requirements.

- Violation detection: speeding, wrong lane, no helmet.

- Vehicle feature recognition: license plate, vehicle color, vehicle type, logo, model, etc.
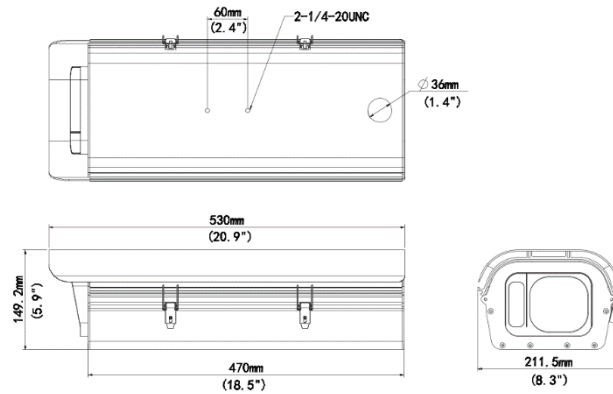
Specifications

Camera	Description
Sensor	1/1" 9MP Global Shutter CMOS
Min. illumination	Color: 0.0001lx; black and white: 0.00005lx
Focal Length	16mm-40mm
Type	Bullet Vari-focal
Image settings	Shutter, gain, white balance
Shutter Speed	1/50s-1/100,000s
WDR	100dB

IR Distance	35m
Image/video	**Description**
Acquisition format	4096×2160@50fps
Video compression	Video compression H.265, H.264, MJPEG
Frame rate	Up to 50fps
Image resolution	4096x2160
Video resolution	Main stream: 4096×2160, 1920×1080, 1600×1200, 1280×720 Sub stream: 4096×2160, 1920×1080, 1600×1200, 1280×720, 720×576, 704×288, 352×288 Third stream: 720×576, 704×288, 352×288
Video OSD	Supports various overlays such as date and time with adjustable font size, font style, font color, time, address, lane no. etc.
Day/Night	IR-cut off filter with auto switch (ICR)
Noise Reduction	3DNR, 2DNR
Image OSD	Supports various overlays with adjustable overlay position, overlay order, font size, font style, font color, etc.
ROI	Supports up to 8 ROIs
Functions	**Description**
Vehicle detection mode	Radar, video
Lane Coverage	2 Lanes
Speed Range	5kmph-225kmph
Illumination type	External: support infrared strobe, all-in-one light: infrared flash/White Flash/infrared strobe; Built-in light: infrared strobe
Image composition	Image composition Support
Image size	Adjustable
Smart-PL	Built-in
AI Features	Motor vehicle & motorcycle detection, Vehicle color detection, License plate capture and recognition of Embossed and General Nepalese License (Hand Written and Printed) Plate with accuracy of 92%. Face detection & capture of driver and front-seat passenger of motor vehicles, and motorcycle drivers. Vehicle classification (Bus, Van, Truck, medium Bus, SUV, MPV, pickup, two-wheeler) and vehicle flow. Traffic Violation rule violation (unfasten seatbelt, wrong-way driving, calling while driving, illegal lane change etc)
Interface	**Description**
I/O control	4 × synchronous signal output interface (switch) 8 × synchronous signal output interface (TTL) 8 × signal input interface (switch) 2 × standard relay interface Control interface: 4 × RS485, 1 × RS232
Network	2 × RJ45 10M/100M/1000M Base T adaptive Ethernet interface
Reset button	1
Storage	**Description**
Front-end storage	32GB eMMC, supports up to 256G micro SD (TF) card expansion

Automatic Network Replenishment (ANR)	Support
General	**Description**
Power supply	AC220V±25% 50Hz
Power consumption	Camera 12W, heating 12W, fan 1W, built in LED 10W
Dimensions	530mm×211mm×149mm
Weight	5.96kg
Operating environment	-40℃ to 70℃, 10% to 90% RH (non condensing)
Lightning and surge protection	Support
Ingress protection	IP66 IK10
Certification	**Description**
EMC	CE LVD：IEC 62368-1:2014
Safety	CE EMC：EN 55032:2015+A11:2020+A1:2020 EN 61000-3-3:2013+A1:2019+A2:2021 EN IEC 61000-3-2:2019+A1:2021 EN 50130-4:2011+A1:2014
LPR	**Description**
Vehicle brand and Logo detection	Alfa Romeo, Aston Martin, Audi, Bentley, BMW, BYD, Chevrolet, Citroen, Ferrari, Fiat, Ford, Foton, Golden Dragon, Higer, Hino, Honda, Hyundai, Isuzu, Jaguar, Jeep, Kia, Land Rover, Lexus, Maserati, Maxus, Mazda, McLaren, Mercedes Benz, MG, MINI, Mitsubishi, Nissan, Opel, ORA, Peugeot, Polestar, Porsche, Renault, Rolls Royce, SEAT, SKODA, Smart, SsangYong, Subaru, Suzuki, Tesla, Toyota, Volkswagen, Volvo, Infinti, BAW, Dodge, DongFeng, FEIDIE, KingLong, Everus, Chery, SinoTruk, SAAB, Yutong, Proton, Chrysler, Daihatsu, Datsun, Geely, Hafei, Zotye, Man, Scion,
Language	English, Chinese
Supports multiple countries	North America: USA, Canada Northeast Europe: Slovenia, Poland, Czech Republic, Slovakia, Latvia, Belarus, Ukraine, EU: France, Spain, Portugal, Germany, United Kingdom, Ireland, Bulgaria, Romania, Hungary, Luxembourg, Serbia, Bosnia and Herzegovina, Greece, Croatia, Middle East: Iraq, Saudi Arabia, UAE (Dubai) Southeast Asia: Singapore, Malaysia, Indonesia, Northeast Asia: South Korea, Africa: Egypt

Dimensions

Ordering Info

Product Model	Config	Description
HC191	GI-OS	ITS 9MP Infrared-Checkpoint-Capture-Units (Sky-eye III)

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