



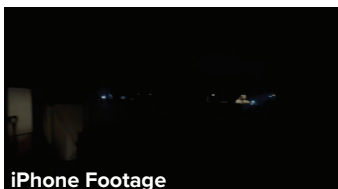
The camera does have white lights. They are off by default because they are not needed. InVid Tech Illuminate provides a 24/7 Color Picture.

PAR-P8BIRL28NH-AI

8 Megapixel IP Plug & Play Outdoor Bullet, 24/7 Full-Color Day AND Night, True AI, Fixed lens, Audio Input: Built-in Mic, Audio Output, SD Card Slot, 12VDC/PoE, Superior Starlight

Features

- True AI Human & Vehicle Classification for Line Crossing, Intrusion Detection, & Other AI Features
- Full Color 24/7 — InVid Illuminate™ (0.0005 Lux) Captures vivid color in near-total darkness — no lights needed. Includes 98' white light, off by default, available for specialized use.
- True P2P Connectivity with QR Code Connect NAT 2.0
- 8 Megapixel Resolution
- Supports 2nd Level Video Meta Data
- Cloud Upgradable
- H.265+ / H.265 / H.264+ / H.264
- 30 FPS Recording and Live
- SD Slot For Local Storage: Up to 1 TB
- Audio Input: Built-in Mic
- Audio Output
- IP67 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDA Compliant



Here is an example of some real camera footage from the InVid Tech Illuminate Series. You can find a video of this on our website. This is real footage with very minimal light. Notice all the colors! The iPhone footage shows how dark the area was. And you can see the difference of a standard IR camera vs InVid Tech Illuminate!

Camera	PAR-P8BIRL28NH-AI
Image Sensor	1 / 1.8 "CMOS
Image Size	3840× 2160
Electronic Shutter	Auto or manual mode; manual mode: 1/ 3s ~ 1/ 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.0005 lux @F1.0, AGC ON; 0 lux with illumination on
S/N Ratio	≥50dB
Lens	2.8 mm@F1.0, H.FoV: 110°; V.FoV:59°; D.FoV:129°
Focus	Fixed
Lens Mount	M12

Ordering Information

PAR-P8BIRL28NH-AI: 8 Megapixel Bullet, 2.8mm

WDR	True 120dB (v5.3.2 and above)				
BLC	Yes				
HLC	Yes				
Defog	Yes				
Digital NR	3D DNR				
EIS	Yes				
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°				
Image					
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream/Third stream: H.265+ / H.265 / H.264+ / H.264/ MJPEG				
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile				
Resolution	8MP (3840×2160), 6MP (3200×1800), 4MP (2688×1520), 2K (2560×1440), 1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), 640 ×360, CIF, 480×240				
Main Stream	8MP/6MP/4MP/2K/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)				
Sub Stream	1080P(1~15fps)/720P/D1/640 ×360 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)				
Third Stream	720P/D1/640 ×360/VGA/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)				
Bit Rate	32 Kbps ~12 Mbps				
Bit Rate Type	VBR / CBR				
Audio Compression	G711A / U				
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser				
Interfaces					
Network	RJ 45				
Video Output	No				
Audio	1CH audio input; 1CH audio output; 1CH built-in microphone				
Storage	Built-in micro SD card slot; up to 1 TB				
Reset	Yes				
Alarm	1CH alarm input; 1CH alarm output				
Intelligent Analytics					
Smart Event	Line crossing, region intrusion/entrance/exiting (human/vehicle classification), abandoned/ missing object detection, loitering detection, illegal parking detection				
Statistics	Target counting by line/area, heat map				
Exception Detection	Scene change, video blur and abnormal color detection				
Face Detection	Face detection, face capture and face comparison				
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature				
DORI Distance					
DORI Distance	Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
	2.8mm	249 (76m)	98 (30m)	49 (15m)	23 (7m)
Functions					
Remote Monitoring	IE browser/ Paramount NVR / Paramount CMS AI / Paramount CMS APP				
Web Browser	Chrome 92.0+/Edge 92.0+/Firefox 91.0+/Safari 13.1+				
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission				
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, FTP, PPPoE, DDNS, SMTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, QoS				
Interface Protocol	ONVIF				
API & SDK	Yes				
Storage	Network remote storage; micro SD card storage				
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm				
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade, disarming				
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and token authentication for HTTP/RTSP				
PoE	Yes , IEEE802.3af				
White Light Range	98' (30 m)				
Ingress Protection	IP 67				
Others					
Power Supply	DC12V/PoE				
Power Consumption	< 7.5W				
Storage Conditions	-22°F ~ 149°F (- 30 °C ~ 65°C), Humidity: less than 95 % (non-condensing)				
Operating Conditions	-22°F ~ 140°F (- 30 °C ~ 60 °C), Humidity: less than 95 % (non-condensing)				
Dimensions	8.6 × 3.2 × 3.2 in (217.8 × 80.5 × 80.3mm)				
Weight (net)	Approx. 1.5 lbs (0.69KG)				
Installation	Ceiling mounting; Wall mounting				
Certificate	CE, FCC				
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)				

