



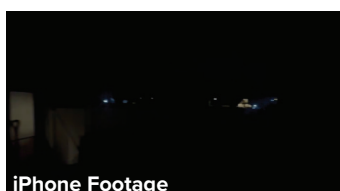
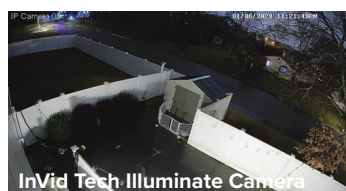
The camera does have white lights. They are off by default because they are not needed. InVid Tech Illuminate provides a 24/7 Color Picture.

PAR-P8TXIRL28BNH-AIJB

8 Megapixel IP Plug & Play Outdoor Turret, 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 LineCrossing, 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 1.0
- 8 Megapixel Resolution
- Fixed Lens
- 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
- NDAA 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!

Model	PAR-P8TXIRL28BNH-AIJB
Camera	
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-P8TXIRL28BNH-AIJB: 8 Megapixel Turret, 2.8mm, Black

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°~80°; 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
ROI	Each ROI to be configured separately
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	
Lens	Detect Observe Recognize Identify
2.8mm	249ft (76m) 98ft (30m) 49ft (15m) 23ft (7m)
Functions	
Remote Monitoring	Web Browser, Paramount DVR/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'
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	Φ 4.4 x 3.9 in (Φ 111.6 × 99.6mm)
Weight (net)	Approx. 1.4 lbs (0.623KG)
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)

