

INVID-K82T46-247CB

(6) 4-Megapixel Turret Cameras with (1) 8 Channel NVR, 24/7 Full-Color Day AND Night Cameras
(1) PN1B-8X8NH2
(6) PAR-P4TXIRL28BNH-AIJB



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-P4TXIRL28BNH-AIJB

4 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

Camera Features

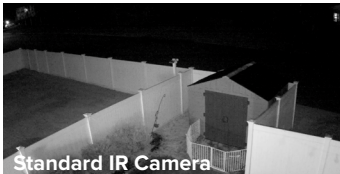
- True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- 24/7 Full-Color Day & Night with InVid Tech Illuminate
- 4 Megapixel Resolution
- Fixed Lens
- H.265+ / H.265 / H.264+ / H.264
- 30 FPS Recording and Live
- SD Slot For Local Storage: Up to 1 TB
- Audio Input: Built-in Mic
- Audio Output
- IP67 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS)
- Free MAC Client
- NDAA Compliant



InVid Tech Illuminate Camera

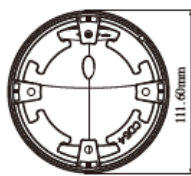
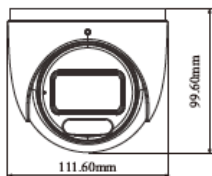


iPhone Footage



Standard IR Camera

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-P4TXIRL28BNH-AIJB										
Image Size	1 / 1.79 "CMOS										
Image Sensor	2688 × 1520										
Electronic Shutter	Auto or manual mode; manual mode: 1 / 2s ~ 1 / 100000 s										
Iris Type	Fixed Iris										
Min. Illumination	0.0003 lux @F1.0, AGC ON; 0 lux with illumination on										
S/N Ratio	≥50dB										
Lens	2.8 mm@F1.0, H.FoV: 112°; V.FoV:61°; D.FoV:133°										
Focus	Fixed										
Lens Mount	M12										
Wide Dynamic Range	Digital WDR										
BLC	Yes										
HLC	Yes										
Defog	Yes										
Digital NR	3D DNR										
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 Fourth stream/Fifth stream: H.265 / H.264 / MJPEG										
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile										
Resolution	4MP (2688×1520),2K (2560×1440), 3MP(2304×1296),1080P (1920×1080), 720P (1280×720), D1, VGA (640 ×480), CIF, 480×240										
Main Stream	4MP/2K/3MP/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)										
Sub Stream	1080P/720P/D1 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)										
Third Stream	720P/D1/VGA/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)										
Fourth Stream	D1/VGA/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)										
Fifth Stream	D1/VGA/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)										
Bit Rate	64 Kbps ~ 8 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, crowd density detection										
Statistics	Target counting by line, heat map										
Exception Detection	Scene change, video blur and abnormal color detection										
Face Detection	Face detection and face capture										
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature										
DORI Distance											
DORI Distance	<table><tr><td>Lens</td><td>Detect (ft)</td><td>Observe (ft)</td><td>Recognize (ft)</td><td>Identify (ft)</td></tr><tr><td>2.8mm</td><td>170 (52m)</td><td>68 (21m)</td><td>33 (10m)</td><td>17 (5m)</td></tr></table>	Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)	2.8mm	170 (52m)	68 (21m)	33 (10m)	17 (5m)
Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)							
2.8mm	170 (52m)	68 (21m)	33 (10m)	17 (5m)							
Functions											
Remote Monitoring	Web Browser, Paramount DVR/NVR, Paramount CMS AI, Paramount CMS App										
Web Browser	IE11(plugin-in required)/Chrome 92.0+/Edge 92.0+/Firefox 91.0+/Safari 13.1+										
Online Connection	Support simultaneous monitoring for up to 3 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, QoS										
Interface Protocol	ONVIF										
Storage	Network remote storage; micro SD card storage										
Smart Alarm	Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection										
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern										
Security	Video encryption, firmware encryption, HTTPs encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP										
PoE	Yes , IEEE802.3af										
White Light Range	Up to 98' (30 m) (Off by Default. Optional Use. But NOT Needed.)										
Ingress Protection	IP 67										
Others											
Power Supply	DC12V/PoE										
Power Consumption	< 5.5W										
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 × 99.6 mm)										
Weight (net)	Approx. 1.4lbs (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)										



PN1B-8X8NH2

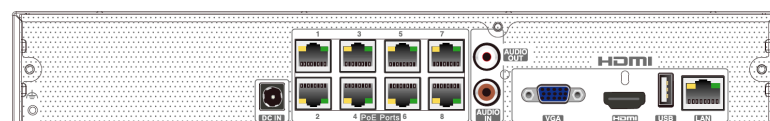
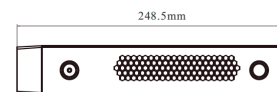
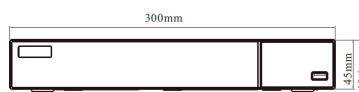
8 Ch NVR with 8 Plug & Play Ports, 80 Mbps, 1 HD Bay, 4K

NVR Features

- 8 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 8 Megapixel Resolution Recording
- Smart Analytics/Including AI by ONVIF
- Supports up to 8 channel simultaneous playback
- Works with ONVIF or other supported IP cameras
- Local HDMI main monitor output with 4K support
- Local VGA main monitor output up to 1080p
- True P2P Connectivity with QR Code Connect
- Multiple video search options including Thumbnail Search for quick retrieval of footage.
- H.265S/H.265+/H.265/H.264 video compression
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) to manage multiple units & sites from a single platform
- Free MAC client software to easily manage your system from your Apple computer
- NDAA Compliant

System	PN1B-8X8NH2
OS	Embedded Linux
Video	
Network Input	8CH IPC input
Network Input Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Output	HDMI × 1 : 3840 × 2160 / 1920 × 1080 / 1280 × 1024 / 1024 × 768 VGA: 1920 × 1080 / 1280 × 1024 / 1024 × 768
Screen Display Mode	1/4/6/8/9
Compression	H.265S / H.265+ / H.265 / H.264
Audio	
Network Input	8 CH IPC audio input
Local Input	RCA × 1 (for two-way audio)
Local Output	RCA × 1
Compression	G.711(U/A)
Record	
Resolution	8MP/6MP/5MP/4MP/3MP/1080P/1280×1024/960P/720P/960H/D1/CIF
Frame Rate	NTSC:30fps; PAL:25fps
Playback	
Simultaneous Playback	Max. 8 CH
Search	Time slice / time / event / tag / smart search
Smart Search	Highlighted color to display the camera record in a certain period of time, different colors refers to different record events
Function	Play, pause, FF, FB, digital zoom, etc.
Decoding Capability	
Live View/ Playback	1×8MP@30fps; 6×1080P@30fps
Alarm	
Mode	Manual, sensor, motion, exception, smart events
Input	Supports IPC alarm input
Output	Supports IPC alarm output

Triggering	Record, snap, preset, e-mail, etc.
Network	
Interface	RJ 45 × 1 (10/100/1000Mbps)
Protocol	TCP / IP, IPv4, IPv6, UDP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, HTTP, SMTP, HTTPS, 802.1x, RTSP, RTP, RTCP, WebSocket, SNMP, IGMP, ONVIF
Incoming/ Outgoing Bandwidth	80/80 (Mbps) *When the AI function of the IPC is enabled, the actual incoming bandwidth(max.bitrate) is more than the set value in the NVR.
Client Connection	Max. 64 users access
Face	
Face Detection Performance (AI by IPC)	8 CH (NH-AI Models)
Face Detection Performance (AI by Device ONVIF)	2 CH/ 2MP
Face Match Performance	No (Does NOT Support Facial Recognition)
Statistical Graph of Information	Bar graph
Statistical Mode of Information	Statistics by day, week, month, quarter as well as customized time period
Video Structure Analysis	
Human/Vehicle Classification (AI by IPC)	Up to 8 CH
Human/Vehicle Classification (AI by Device)	2 CH
Human/Vehicle Attribute Analysis	Yes (AI by IPC)
Other Functions	
Fisheye	Supports fisheye dewarping via Web Client and mobile APP
Plate Recognition (AI by IPC)	Up to 8 CH
Mobile Device	
OS	iOS, Andriod
Storage	
HDD Interface	SATA3.0 × 1, up to 18TB
Backup	
Local Backup	USB, USB To HDD (1TB Max)
Network Backup	Yes
Port	
USB	USB 2.0 × 2, USB to
Remote Controller	Included
PoE	
PoE Ports	100M RJ45 × 8
Standards	IEEE802.3AF/AT
Output Power	≤ 72W
Others	
Power Supply	DC 48V/1.8A
Consumption	≤ 10W (without HDD)
Dimensions (W × D × H)	11.8 × 9.8 × 1.7 In (300 × 249 × 45 mm)
Working Environment	14°F ~ 122°F (-10°C ~ 50°C)10% ~ 90% humidity
Certificate	CE, FCC, ETL: 5025761
Environmental Protection	Complies with Directive EU RoHS, REACH and WEEE



Ordering Information
INVID-K82T46-247CB

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