

INVID-K164T412-DUAL

Camera & NVR Bundle



Includes (12) Turret Cameras

Includes 12x PAR-P4TXIR28-LC3

4 MP IP Plug & Play Outdoor Turret, 2.8mm,
Supplemental Light Options: IR, White Light
or IR to White Light on Ai Trigger, Built-in Mic,
SD Card Slot, 12VDC/PoE



Includes (1) NVR with a 4 TB Drive

Includes 1x PN1A-16X16-2NH2

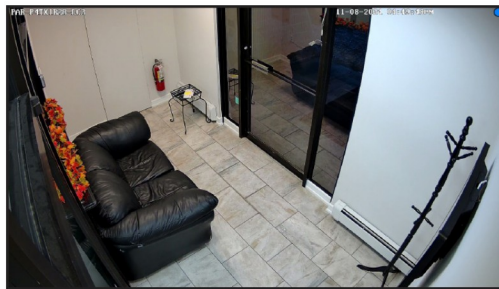
16 Ch NVR with 16 Plug & Play Ports,
160 Mbps, 4 TB, 4K

Camera Image Options

- Color During the Day
- Color at Night with White Light!
- Standard IR (B/W Image) to White Light (Color Image) on Ai Trigger (Human or Vehicle in Image)/ Non Motor Vehicle
- IR at Night



Color During the Day



Color at Night with White Light



B/W IR to White Light on Ai Trigger



PAR-P4TXIR28-LC3

4 MP IP Plug & Play, Outdoor Turret, 2.8mm,
Supplemental Light Options: IR, White Light or IR
to White Light on Ai Trigger, Built-in Mic, SD Card
Slot, 12VDC/PoE

- First Level Human and Vehicle Classification
- Supplemental Light Options: IR, White Light, White Light Trigger
- Supports Native Chrome/Edge Use
- True P2P Connectivity with QR Code Connect
- 4 Megapixel Resolution
- Fixed Lens
- H.265+, H.265, H.264+, H.264, MJPEG
- 30 FPS Recording and Live
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- IP67 Weatherproof
- 12VDC/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC
- NDAA Compliant



PN1A-16X16-2NH2

16 Ch NVR with 16 Plug & Play
Ports, 160 Mbps, 2 HD Bay, 4K

- 16 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 8 Megapixel Resolution Recording
- 160 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Smart Analytic Support/ AI by ONVIF
- 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 Smart Search for quick retrieval of footage.
- H.265S/ H.265+ / H.265/ H.264
- 2 Hard Drive Bays
- 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

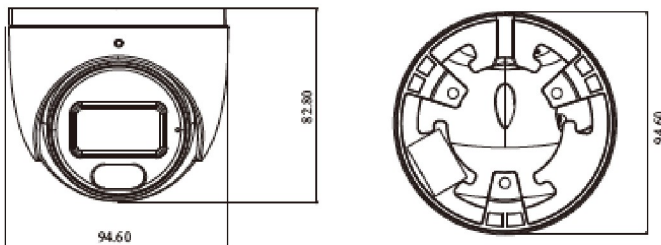


PAR-P4TXIR28-LC3

4 Megapixel IP Plug & Play, Outdoor Turret, Fixed Lens,
Supplemental Light Options: IR, White Light or IR to White
Light on AI Trigger, Built-in Mic, SD Card Slot, 12VDC/PoE

Features

- First Level Human and Vehicle Classification
- Supplemental Light Options: IR, White Light, White Light Trigger
- Supports Native Chrome/Edge Use
- True P2P Connectivity with QR Code Connect
- 4 Megapixel Resolution
- Fixed Lens
- H.265+, H.265, H.264+, H.264, MJPEG
- 30 FPS Recording and Live
- True WDR 120dB
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- IP67 Weatherproof
- 12VDC/PoE Operation
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Camera	PAR-P4TXIR28-LC3			
Image Sensor	1/3 "CMOS			
Image Size	2560×1440			
Electronic Shutter	1/1s ~ 1/100000s			
Iris Type	Fixed Iris			
Min. Illumination	0.005 lux @F1.6, AGC ON; 0 lux with illumination on			
Lens	2.8mm@F1.6, Horizontal FoV: 94°; Vertical FoV: 50°; Diagonal FoV: 115°			
Focus	Fixed			
Lens Mount	M12			
Day&Night	ICR			
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Digital NR	Yes			
S/N Ratio	≥50dB			
Angle Adjustment	Pan: 0°~360°; Tilt: 0°~75°; Rotation: 0°~360°			
Image				
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG			
H.265 Compression Standard	Main Profile@Leve4.1 High Tier			
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, VGA (640× 480), 480× 240, CIF			
Main Stream	4MP/3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)			
Sub Stream	720P/D1/VGA/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)			
Third Stream	D1/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)			
Bit Rate	64 Kbps ~ 6 Mbps			
Bit Rate Type	VBR / CBR			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser			
Audio Compression	G711A/U			
ROI	Each ROI to be configured separately			
Interfaces				
Network	RJ45			
Video Output	No			
Audio	1CH audio input; 1CH built-in MIC			
Storage	Built-in micro SD card slot, up to 256GB			
Reset	Yes			
Functions				
Remote Monitoring	IE browser/ NVR / Paramount CMS / Paramount CMS APP			
Web Browser	Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+			
Online Connection	Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission			
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, PPPoE, DDNS, SMTP, FTP, 802.1x, SNMP, UPnP, HTTP, HTTPS, HTTP POST, P2P, QoS			
Interface Protocol	ONVIF (Profile G/S/T/M)			
Storage	Network remote storage; micro SD card storage			
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, video exception			
Smart Event	Line crossing/region intrusion (human/vehicle classification), abandoned/missing object detection			
General Function	Watermark, IP address filtering, video mask, heartbeat, ANR, cloud upgrade, smart supplement light, corridor pattern			
PoE	Yes (IEEE802.3af)			
Supplement Light Range	IR range: 98'; white light range: 98'			
Ingress Protection	IP67			
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP			
DORI Distance				
Lens	Detect (ft)	Observe (ft)	Recognize (ft)	Identify (ft)
2.8mm	203 (62m)	81 (25m)	40 (12m)	20 (6m)
Others				
Power Supply	DC12V/PoE			
Power Consumption	< 6W			
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	3.7 x 3.3" (Φ 94.6 × 82.8mm)			
Weight (net)	Approx. .99lbs (0.45KG)			
Installation	Ceiling mounting; wall mounting			
Certificate	CE, FCC			
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)			



PN1A-16X16-2NH2

16 Ch NVR with 16 Plug & Play Ports, 160 Mbps, 2 HD Bays, 4k

Features

- 16 Plug & Play Ports for easy camera setup PoE (Power Over Ethernet) available on all ports
- Up to 8 Megapixel Resolution Recording
- 160 Mbps Bit Rate Input
- Supports up to 16 channel simultaneous playback
- Smart Analytic Support/ AI by ONVIF
- 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 Smart Search for quick retrieval of footage.
- H.265S/ H.265+ / H.265 / H.264
- 2 Hard Drive Bays
- 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	PN1A-16X16-2NH2
OS	Embedded Linux
Video	
Network Input	16CH 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	1/4/6/8/9/13/16
Compression	H.265S / H.265+ / H.265 / H.264
Audio	
Network Input	16 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.16 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, Web-Socket, SNMP, IGMP, ONVIF
Incoming/ Outgoing Bandwidth	160/160(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)	16 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 16 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 16 CH
Mobile Device	
OS	iOS, Andriod
Storage	
HDD Interface	SATA3.0 × 2, 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 × 16
Standards	IEEE802.3AF/AT
Output Power	≤ 150W
Others	
Power Supply	DC 48V/3.75A
Consumption	≤ 10W (without HDD)
Dimensions (W × D × H)	15 × 10.6 × 1.8In (380 × 268 × 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

