



N48P

Power over Ethernet Recorder

4K 8-Channel PoE NVR

The PoE Recorder is used to record videos and secure your home or business. Using Power over Ethernet technology, the recorder could provide the electricity and network for each camera via a Cat 5e/Cat 6 network cable.



4K UHD Video
See more than 1080P



PoE
Easy setup, real plug and go



Smart H.265+ Codec
Save more high-quality video in less space



Supper Decoding
4ch 4MP real-time decoding



Local View
Local HDMI / VGA 4K UHD output



Mass Storage
Support 1 HDD storage, up to 8TB



Two-way Talk
Real-time communication

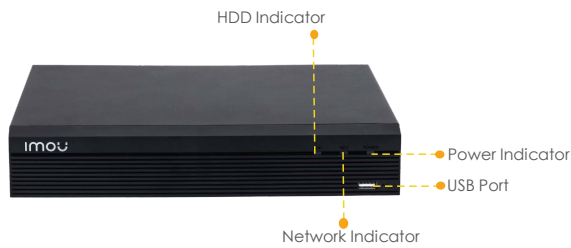


Imou Life App
Monitoring at any time from anywhere

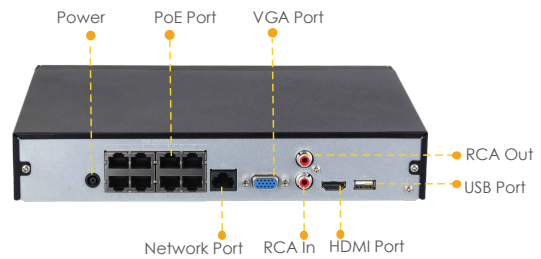


Record every second

Using a hard disk drive, recorder could uninterrupted record for a long time, and now easily store for more than a month by using the smart H.265 codec. You can play back the details of every time.



Front View



Back View

Specifications

System

Operating System: Embedded Linux
Operation Display: WEB/GUI/Imou Life APP

Video

Video In: 8 Channels
Video Out: 1 HDMI/1 VGA

Network

ONVIF Profile T/S/G, CGI, SDK
Imou App: iOS, Android

Auxiliary Interface

2 x USB Ports
1 x SATA Port
8 x PoE Ports
1 x Network Port
1 x RCA In
1 x RCA Out
1 x HDMI Port
1 x VGA Port
1 x Power Port

Recoding & Decoding

Resolution: 8MP/4MP/1080P
Max Decoding: 2ch@8MP/4ch@4MP/8ch@1080P
Compression: Smart H.265+/H.265/Smart H.264+/H.264
Audio Compression: G.711A/G.711U/PCM/G726/AAC

Function

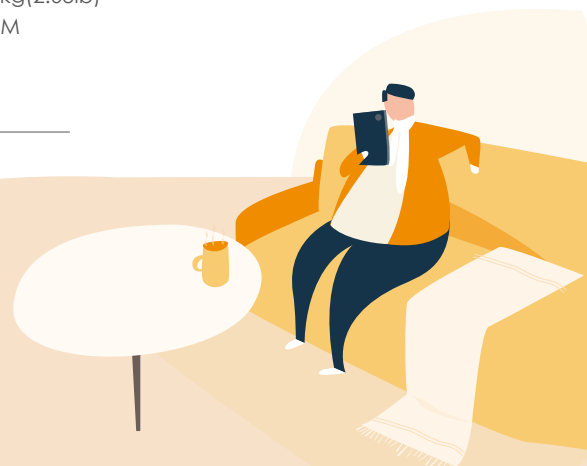
Recorder Mode: Manual/Alarm/Motion detection/Schedule
Backup Mode: USB Device
Playback: 1/4/9
Storage: Up to 8TB HDD/Cloud Storage
Multi-screen Display: 1/4/8/9

General

Power Supply: DC48V 2.0A / DC53V 1.8A
Power Consumption: $\leq 10W$ (without HDD)
PoE Power Consumption: Each power $\leq 25.5W$, Total $\leq 72W$
Operating Conditions: $-10^{\circ}C \sim +45^{\circ}C$ ($+14^{\circ}F \sim +113^{\circ}F$)
10%~90%RH
Dimensions(W x L x H): 260mm x 225mm x 47.6mm
(10.24" x 8.86" x 1.87")
Net Weight: 0.92kg(2.03lb)
Certification: RCM

What's in the box

- 1 x PoE Recorder
- 1 x Quick Start Guide
- 1 x Power Adapter
- 1 x Network Cable
- 1 x SATA Data Cable
- 1 x SATA Power Cable
- 1 x Screw Package
- 1 x Mouse



IPC-T66A

6MP Outdoor PoE Network Camera



- 6MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs 3072×2048 (3072×2048) @ 25 fps, and also supports 4MP (2688×1520) @ 25 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in IR LED, max IR distance: 30 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnected, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card, built-in MIC
- 12V DC/PoE power support
- IP67 protection



System Overview

With upgraded H.265 encoding technology, Imou POE series camera has efficient video encoding capacity, which saves bandwidth and storage space. This camera adopts the latest starlight technology and displays better colorful image in the environment of low illumination. It supports SD card storage, waterproof function, dust-proof function, complying to the standards of IP67.

Functions

Smart (H.265+ & H.264+)

Adopting advanced algorithm of auto stream control according to the environment, Imou smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

Wide dynamic range (WDR)

Imou adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back- light environment, bright region and dark region with strong light source, you can also get clear images.

Starlight

Imou Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Intelligent Video Analysis (IVS)

With advanced video algorithm, Imou camera supports intelligent detection, such as tripwire and intrusion and so on.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

Technical Specification

Camera

Image Sensor	1/2.7" 6Megapixel progressive CMOS
Effective Pixels	3072 (H) × 2048 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.008 Lux @ F1.6
IR Distance	30 m (98.43 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	2
Pan/Tilt/Rotation Range	Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°

Lens

Lens Type	Fixed				
Mount Type	M12				
Focal Length	2.8 mm 3.6 mm				
Max. Aperture	F1.6 F1.6				
Field of View	2.8 mm: Pan: 103.0° Tilt: 71.0° Diagonal: 132.0° 3.6 mm: Pan: 84.0° Tilt: 58.0° Diagonal: 110.0°				
Iris Type	Fixed aperture				
Close Focus Distance	2.8 mm: 0.9 m (2.95 ft) 3.6 mm: 1.6 m (3.61 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	56 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
	3.6 mm	80 m (262.47 ft)	32.0 m (104.99 ft)	16.0 m (52.49 ft)	8.0 m (26.25 ft)

Smart event

General IVS Analytics	Tripwire; intrusion
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Video

Video Compression	H.265; H.264; H.264B; MJPEG
Smart Codec	Yes
Video Frame Rate	Main stream: 3072 × 2048 (1 fps-25 fps) 2688 × 1520 (1 fps-25/30 fps) Sub stream: 704 × 576 (1 fps-25 fps) 704 × 480 (1 fps-30 fps)

Stream Capability	2 streams
Resolution	3072×2048(3072×2048); 2688×1520(2688×1520); 3M(2048×1536); 2304×1296(2304×1296); 1080p(1920×1080); 1.3M (1280 × 960); 720p(1280×720); D1(704× 576/704×480); VGA(640×480); CIF(352×288/352×240)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 12 Kbps–8192 Kbps
Day/Night	Auto(ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest(Rol)	Yes (4 areas)
Smart IR	Yes
Image Rotation	0°/90°/180°/270° (Supports 90°/270° with 2688 × 1520 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas

Audio

Built-in MIC	Yes
Audio Compression	G.711A; G.711Mu; G.726; AAC

Network

Network	RJ-45 (10/100 Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI; P2P; Milestone; Genetec
User/Host	20
Edge Storage	Imou Cloud; FTP; SFTP; Micro SD Card (support max. 256 GB); NAS
Browser	IE Chrome Firefox
Management Software	Imou Client
Mobile Phone	Imou APP: IOS; Android

Certification

Certifications	CE-LVD: EN60950-1 CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B
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Power


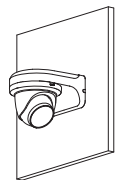
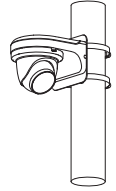
Power Supply	12V DC/PoE (802.3af)
Power Consumption	< 7.2W

Environment

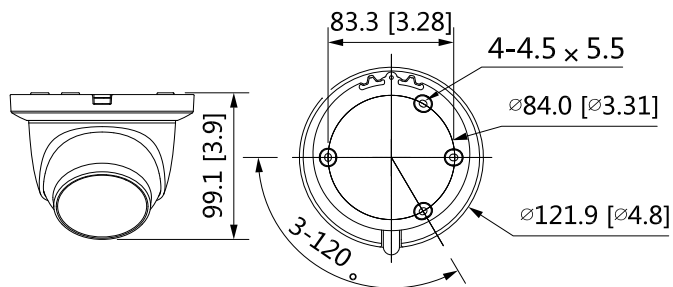
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%
Storage Temperature	-40°C to +60°C (-40°F to +140°F)
Protection	IP67

Structure

Casing	Metal
Dimensions	100.9 mm × Φ109.9 mm (3.97" × Φ4.33")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.65 kg (1.4 lb)

Junction Mount	Wall Mount	Pole Mount
PFA130-E	PFB203W	PFB152-E+PFA203W
		

Dimensions (mm[inch])



Accessories

Optional:



PFA130-E
Junction Box



PFB203W
Wall Mount



PFA152-E
Pole Mount