

# IPC-T2A2O-Z 2MP WDR IR Eyeball Network Camera



### System Overview

The EZ-IP series is perfect for small to medium size applications like home/residential security, small retail shops, and other typical SMB applications. It offers a perfect alternative to migrate from analog to an IP system with its easy to use nature and cost effectiveness.

The EZ-IP series is fully in line with Dahua's quality assurance protocol. Various tests such as anti-vibration, water resistance, and aging tests are performed to ensure Dahua quality standards.

# Functions

### True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens

#### Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas

#### Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDS from whiting out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 60m (197ft).

#### Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

- · 1/2.9" 2Megapixel progressive CMOS
- · H.264+ & H.264 dual-stream encoding
- · 25/30fps@2M (1920×1080)
- · DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- $\cdot$  Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- $\cdot$  Micro SD card slot, up to 128GB
- · 2.7~12mm varifocal lens
- $\cdot$  Max IR LEDs Length 60m
- · IP67, PoE



#### Protection

Supporting  $\pm 10\%$  input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

#### Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer

#### Smart H.264+

Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.



# EZ-IP Series | IPC-T2A20-Z

#### **Technical Specification** Camera 1/2.9" 2Megapixel Progressive CMOS Image Sensor Effective Pixels 1920(H) x1080(V) RAM/ROM 128MB/16MB Scanning System Progressive 0.1Lux/F1.4(Color), 0Lux/F1.4(IR on) Minimum Illumination More than 50dB S/N Ratio Distance up to 60m(197ft) IR Distance IR On/Off Control Auto/ Manual 2 IR LEDs Lens Lens Type Motorized Board-in Mount Type Focal Length 2.7mm~12mm Max. Aperture F1.4 H:95°~34°, V:52°~21° Angle of View Focus Control Motorized Close Focus Distance 0.3m PTZ Pan/Tilt Range Pan:0° ~360 ° ;Tilt:0° ~78° ;Rotation:0° ~360° Video H.264+/H.264 Compression Streaming Capability 2 Streams 1080P(1920x1080)/720P(1280×720)/ D1(704×576/704×480)/ CIF(352×288/352×240) Resolution 1080P/720P(1~25/30fps) Frame Rate D1/CIF(1~25/30fps) Bit Rate Control CBR/VBR Bit Rate H264:24K ~ 8192Kbps Auto(ICR) / Color / B/W Day/Night BLC Mode BLC / HLC / DWDR

White Balance	Auto/Natural/Street Lamp/Outdoor/Manual	
Gain Control	Auto/Manual	
Noise Reduction	3D DNR	
Motion Detetion	Off / On (4 Zone, Rectangle)	
Region of Interest	Off / On (4 Zone)	
Electronic Image Stabilization(EIS)	N/A	
Smart IR	Support	
Digital Zoom	16x	
Flip	0°/90°/180°/270°	
Mirror	Off / On	
Privacy Masking	Off / On (4 Area, Rectangle)	
Audio		
Compression	N/A	
Network		
Ethernet	RJ-45 (10/100Base-T)	
Protocol	HTTP;HTTPs;TCP;ARP;RTSP;RTP;UDP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP;NTP	
Interoperability	ONVIF, PSIA, CGI	
Streaming Method	Unicast / Multicast	
Max. User Access	10 Users/20 Users	
Edge Storage	NAS(Network Attached Storage) Local PC for instant recording Micro SD Card 128GB	
Web Viewer	IE, Chrome, Firefox, Safari	
Management Software	Smart PSS, DSS,Easy4ip	
Smart Phone	IOS, Android	
Certifications		
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Interface		
Video Interface	N/A	
Audio Interface	N/A	
RS485	N/A	
Alarm	N/A	
Electrical		
Power Supply	DC12V PoE (802.3af)(Class 0)	
Power Consumption	<9.8W	

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Environmental		
Operating Conditions	-30° C $^{\sim}$ +60° C (-22° F $^{\sim}$ +140° F) / Less than 95% RH	
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Ingress Protection	IP67	
Vandal Resistance	N/A	
Construction		
Casing	Metal	
Dimensions	Φ122mm x 104.9mm(4.8" x4.1")	
Net Weight	0.59Kg(1.30lb)	
Gross Weight	0.71Kg(1.57lb)	

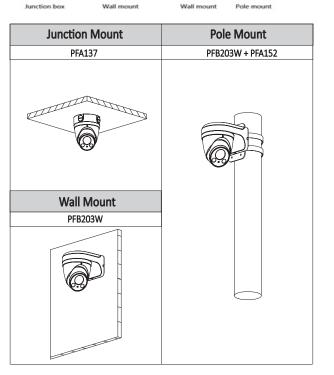
# Accessories

## **Optional:**

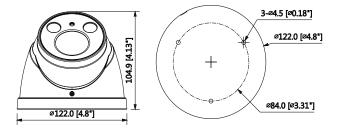




PFB203W PFA152 Wall mount Pole mount



# Dimensions (mm/inch)





Ordering Information		
Туре	Part Number	Description
2MP Camera	IPC-T2A20P-Z	1.3MP WDR IR Eyeball Network Camera, PAL
	IPC-T2A20N-Z	1.3MP WDR IR Eyeball Network Camera, NTSC
Accessories (optional)	PFA137	Junction box
	PFB203W	Wall mount
	PFA152	Pole mount