

# DH-T2A-LED

## 2MP Entry Full-color Fixed-focal Wi-Fi Eyeball Network Camera



#### **Series Overview**

With features of simple installation, easy operation, and high performance-cost ratio, Dahua Entry series network camera is applicable to small and medium-sized scenes, such as homes/ residences, small-sized retail stores, and other small and medium-sized enterprises.

#### Functions

#### Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### **Human Detection**

Dahua intelligent algorithms extract moving human targets from videos and filters out alarms that are triggered by non-human targets to increase the accuracy and effectiveness of alarms.

#### Full-color

With high-performance sensor and large aperture lens, Dahua Full-color technology can display clear colorful image in the environment of ultra-low illuminance. With this photosensitivity technology, the camera can capture more available light, and display more colorful image details.

- 2-MP 1/3" CMOS image sensor, low luminance, and high definition image.
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in warm light, and the max. illumination distance is 30 m.
- SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and SMD(human).
- Supports max.256 G Micro SD card; built in Mic.
- 12 VDC power supply.
- IP67 protection.
- Support Human Detection.



#### **Cyber Security**

Dahua network cameras employ a series of security technologies, including security authentication and authorization, access control protocols, trusted protection, encrypted transmission and encrypted storage. These technologies improve the camera's defense against external cyber threats and prevent malicious programs from compromising the device.



# Entry Series | DH-T2A-LED

### **Technical Specification**

Camera						
Image Sensor		1/3" CMOS				
Max. Resolution		1920 (H) × 1080 (V)				
ROM		16 MB				
RAM		64 MB				
Scanning System		Progressive				
Electronic Shutter Speed		Auto/Manual 1/3 s-1/100,000 s				
Min. Illumination		0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6(B/W, 30 IRE) 0 lux (Illuminator on)				
S/N Ratio		>56 dB				
Illumination Distance		Up to 30 m (98.53 ft)				
Illuminator On/Off Control		Auto				
Illuminator Number		2 (Warm light)				
Angle Adjustment		Pan: 0°–360° Tilt: 0°–78° Rotation: 0°–360°				
Lens						
Lens Type		Fixed-focal				
Lens Mount		M12				
Focal Length		2.8 mm;3.6 mm				
Max. Aperture		F1.6				
Field of View		2.8 mm: H: 98°; V: 55°; D: 115° 3.6 mm: H: 78°; V: 41°; D: 94°				
Iris Control	Iris Control		Fixed			
Close Focus Distance		2.8 mm: 1 m (3.28 ft) 3.6 mm: 1.7 m (5.58 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify	
	2.8 mm	61.2 m (200.78 ft)	24.5 m (80.38 ft)	12.2 m (40.03 ft)	6.1 m (20.01 ft)	
	3.6 mm	85.4 m (280.18 ft)	34.2 m (112.20 ft)	17.1 m (56.10 ft)	8.5 m (27.89 ft)	
Intelligence						
Human Detection		Support the classification and accurate detection of human				

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Video		
Video Compression	H.264B; H.264; H.264H; H.265	
Smart Codec	Smart H.265+; Smart H.264+	
Video Frame Rate	Main stream: 1920 × 1080@(1–25/30 fps) Sub stream: 640 × 480@(1–25/30 fps) *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.	
Stream Capability	2 streams	
Resolution	1080p (1920 ×1080); 1280 × 960 (1280 × 960); 1280 × 720 (1280 × 720)	

Bit Rate Control	CBR/VBR		
Video Bit Rate	H.264: 32kbps ~ 4096kbps		
	H.265: 12kbps ~ 4096kbps		
Day/Night	Color/B/W		
BLC	Yes		
HLC	Yes		
WDR	DWDR		
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom		
Gain Control	Auto		
Noise Reduction	3D NR		
Motion Detection	OFF/ON (4 areas, rectangular)		
Region of Interest (RoI)	Yes (4 areas)		
Smart Illumination	Yes		
Image Rotation	0°/180°		
Mirror	Yes		
Privacy Masking	4 areas		
Audio			
Built-in MIC	Yes, built-in Mic		
Audio Compression	G.711a; G.711Mu; PCM; G.726		
Alarm			
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; abnormal audio input; intensity change; motion detection; SMD(human)		
Network			
Network Port	RJ-45 (10/100 Base-T)		
Wi-Fi	IEEE802.11b/g/n 2.4–2.4835 GHz; 2.4 G		
SDK and API	Yes		
Network Protocol	IPv4; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; DHCP; DNS; NTP; Multicast; RTMP; P2P		
Interoperability	ONVIF (Profile S; Profile G); CGI		
User/Host	20 (Total bandwidth: 64 M)		
Storage	Micro SD card (support max. 256 GB)		
Browser	IE; Chrome; Firefox		
Management Software	Smart PSS; DSS; DMSS		
Mobile Client	iOS;Android		
Cyber Security	Configuration encryption;trusted execution;Digest;security logs;HTTPS;trusted upgrade;WSSE;trusted boot;account lockout;generation and importing of X.509 certification;video encryption		
Certification			
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; CE-RED: Radio Equipment Directive 2014/53/EU		
	Feel		



## Entry Series | DH-T2A-LED

Power				
Power Supply	12 VDC			
Power Consumption	Basic: 2 W (12 VDC) Max. (H.265+warm light intensity): 5.8 W (12 VDC)			
Environment				
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)			
Operating Humidity	≤95%			
Storage Temperature	-30 °C to +60 °C (-22 °F to +140 °F)			
Storage Humidity	≤95%			
Protection	IP67			
Structure				
Casing Material	Inner core: Metal + Plastic Cover: Plastic			
Product Dimensions	Φ109.9 mm × 102.2 mm (Φ4.33" × 4.02")			
Net Weight	323 g (0.71 lb)			
Gross Weight	560 g (1.23 lb)			

#### **Ordering Information**

Туре	Model	Description
2MP Camera	DH-T2A-LED	2MP Entry Full-color Fixed-focal Wi-Fi Eyeball Network Camera
	ADS-12AM-12 12012EPG	12V DC/1A Power Adapter
	PFA13G	Junction Box
	PFB205W-E	Wall Mount Bracket
Accession	PFA152-E	Pole Mount Bracket
Accessories	PFA109	Mount Adapter
	PFB220C	Ceiling Mount Bracket
	РFM900-Е	Integrated Mount Tester
	TF-P100	MicroSD Memory Card

#### Accessories

Included:



ADS-12AM-12 12012EPG 12V DC/1A Power Adapter

#### Optional:



PFA13G

Junction Box



PFB205W-E

Wall Mount

Bracket



PFA152-E Pole Mount Bracket





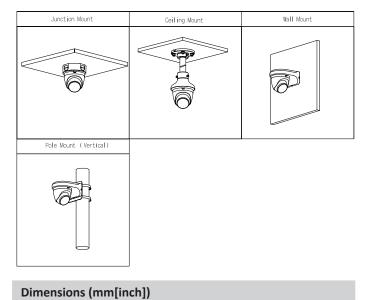
PFA109 Mount Adapter

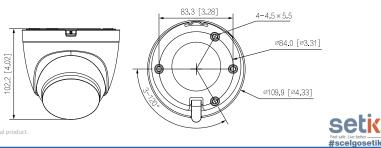
PFB220C Ceiling Mount Bracket

PFM900-E Integrated Mount Tester



TF-P100 MicroSD Memory Card





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