



# 2MP+2MP DUAL-LENS

## NETWORK PTZ CAMERA

HC-IPC-SDQA20420-4212-WLS



## Product Features

- Fixed camera and PTZ camera integration, dual channels with one IP, look at overall situation and consider details at the same time
- High quality image with 2MP, 1/2.8" CMOS sensor
- 1920\*1080@25fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 4X optical zoom of PTZ channel allows for closer viewing of subjects
- Lighthunter technology ensures ultra-high image quality in low illumination environment
- Up to 120 dB Optical WDR (Wide Dynamic Range)
- Built-in 2\*mic & high-power speaker, support two-way audio, has better sound performance
- Support ceiling mount and wall mount
- IR & warm light illumination to deal with different scenes and achieve full-color illumination
- DC12V or PoE+(IEEE 802.3at) power supply



An ISO 9001:2008 Certified Company

# 2MP + 2MP DUAL-LENS NETWORK PTZ CAMERA

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Linkage



Lightwater



WDR



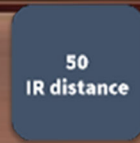
Built-in Mic



Edge Storage



Ultra  
H.265



50  
IR distance

## DUAL-LENS DUAL-SCREEN PREVIEW



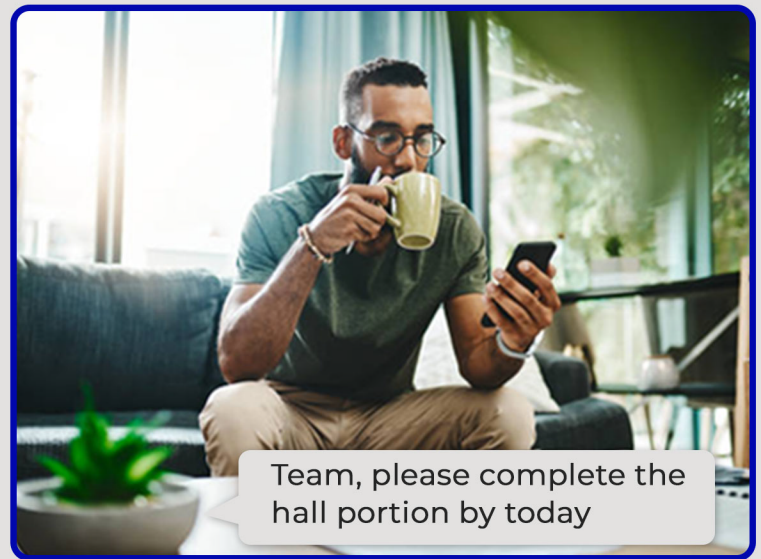
FIXED LENS

PTZ LENS

# Support ceiling mount and wall mount



## Two Way Audio Communication



\*Two way talk function will work only on Hifocus Quartz Series XVR & NVR



## MicroSD Card Support

Use a MicroSD Card to record your video;  
it can support up to 2560B of data.

## Specifications:

### Camera

Sensor  
Min. Illumination  
  
Day/Night  
Shutter  
WDR  
S/N

### Panorama

1/2.8", 2MP, CMOS  
Color:0.002 lux (F1.6, AGC ON)  
0 lux with IR  
IR-cut filter with auto switch (ICR)  
Auto/Manual, 1 ~ 1/100000s  
120dB  
>52dB

### Detail

Color:0.002 lux (F1.6, AGC ON)  
0 lux with IR/Warm light

DWDR

### Lens

Lens type  
  
Optical Zoom  
Iris  
Field of View (H)  
Field of View (V)  
Field of View (D)

2.8mm@F1.6  
  
N/A  
Fixed aperture  
102.4°  
54.9°  
133.1°

2.8~12mm@F1.6, AF automatic  
focusing and motorized zoom lens  
4X  
  
106.6° ~ 30.6°  
56.5° ~ 17.4°  
138.6° ~ 37.6°

### DORI

	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
DORI Distance	2.8(Panorama)	43.4(142.5ft)	17.4(57.0ft)	8.7(28.5ft)	4.3(14.3ft)
	2.8(Detail)	43.4(142.5ft)	17.4(57.0ft)	8.7(28.5ft)	4.3(14.3ft)
	12(Detail)	162.9(534.6ft)	65.2(213.8ft)	32.6(106.9ft)	16.3(53.5ft)

### Illuminator

IR Range  
Warm Light Range  
Wavelength  
Light On/Off Control

Up to 10m (32.8 ft)  
N/A  
850nm (IR)  
Auto/Manual

Up to 50m (164.0 ft)  
Up to 10m (32.8 ft)



## Video

Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 1080P (1920*1080),Max 25fps Sub Stream: 720P (1280*720), Max 25fps
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support (Main stream)
ROI	Up to 8 areas
Video stream	Dual streams
OSD	Up to 4 OSDs
Privacy Mask	24 areas, up to 4 areas per scene

## Image

White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Flip Vertical/Flip Horizontal/180°
HLC	Support
BLC	Support
Defog	Digital defog

## Events

Basic Detection	Motion detection, Audio detection
General Function	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication

## Audio

Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz



## Storage

Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR

## Network

Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and common user
Security	Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	EZStation   EZLive   EZView
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above

## Pan & Tilt

Pan Range	N/A	0° ~ 345°
Pan Speed	N/A	1°/s ~ 40°/s
	Preset speed: N/A	Preset speed: 40°/s
Tilt Range	18° ± 5°	-10° ~ 100°
Tilt Speed	N/A	1°/s ~ 50°/s
	Preset speed: N/A	Preset speed: 50°/s
Number of Presets	256	
Preset Patrol	16 patrol routes, up to 64 presets for each route	
Patrol Stay Time	1000s~1800s	
Preset Image Freeze	N/A	
Home Position	Support	



## Interface

Audio I/O	N/A
Alarm I/O	N/A
Serial Port	N/A
Built-in Mic	Support (Mic*2)
Built-in Speaker	Support
Wi-Fi	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A

## Certification

EMC	CE-EMC (EN55032:2015; EN55024:2010+A1:2015; EN61000-3-2:2014; EN61000-3-3:2013) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017; EN 62368-1:2014) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment Protection	CE-ROHS (2011/65/EU) IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)

## General

Power	DC12V, PoE+(IEEE 802.3at) Power consumption: MAX 16W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Wall Mount: Ø134 x 192 x 302mm (Ø5.3" x 7.6" x 11.9") Ceiling Mount: Ø134 x 154 x 363mm (Ø5.3" x 6.1" x 14.3")
Weight	1.03kg (2.27lb)
Working Environment	-20 ~ 60 (-4°F ~ 140°F) Humidity: ≤95% RH (non-condensing)
Storage Environment	-30 ~ 70 (-22°F ~ 158°F) Humidity: ≤95% RH (non-condensing)
Surge protection	2KV
Reset button	Support

