

# DH-PSDW82442M-A270-D440-S3

24 MP Multi-Sensor 270° Panoramic PTZ Hubble WizMind Network Camera



### Wiz Mind

Launched by Dahua Technology, Dahua WizMind is a full portfolio of solutions composed of project-oriented products including IPC, NVR, PTZ, XVR, Thermal and software platform which adopts industry-leading deep learning algorithms. Focusing on customer's requirements, WizMind provides precise, reliable and comprehensive AI solutions for verticals.

#### **Series Overview**

The Panoramic Network Camera + PTZ Camera can splice up to a 270° horizontal view to give you a wider view. Working with high-speed PTZ, the camera can display the details. With advanced video analysis algorithm, the camera supports linkage between panorama and details, and situation analysis.

#### Functions

#### **Panoramic Splicing**

With advanced splicing algorithm, Dahua Panoramic Splicing technology deletes overlapped area and splices multiple images to be a complete panorama. The field of view of the spliced image can be up to 360°, which largely improves surveillance efficiency and user experience. Generally, after splicing, the field of view of eight-sensor camera can be 360°.

#### Smart Tracking

With advanced algorithm, Dahua network camera can detect targets, track targets with speed dome, and view details.

#### **Perimeter Protection**

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire and intrusion) are largely reduced.

#### **Crowd Density**

With deep learning algorithm, Dahua Crowd Density technology can detect the crowd density on the image, and display it on heat map; it can detect people quantity and density in selected area and set threshold. When the number or density is larger or smaller than the threshold, it triggers linkage.

- Channel 1 (Panoramic): 6 × 4 MP 1/1.8" CMOS image sensors. Field of View:Horizontal: 1 × 270°, Vertical: 103°.
- Channel 2 (PTZ):  $1 \times 4$  MP 1/1.8" CMOS image sensors.
- Channel 2 (PTZ): 40x optical zoom,16x digital zoom.
- Channel 2 (PTZ): Illumination distance up to 400 m.
- Channel 1 (Panoramic): Three switchable intelligent resources: Perimeter protection, Crowd map, Vehicle density.
- Channel 2 (PTZ): Three switchable intelligent resources: Perimeter protection, Video metadata, Face recognition.
- AR panorama technology; various AR tags can be overlaid.
- Smart tracking. GPS/BDS positioning.
- Smart H265+/H264+ encoding.
- WDR, 3D NR, HLC, BLC, applicable to various monitoring scenes.
- Alarm: 7 in, 3 out; audio: 2 in, 2 out; 1 channel BNC, 1 channel RS-485 (baud rate can be set). supports max. 512 G SD card.



#### Vehicle Density

With deep learning algorithm, Dahua Vehicle Density technology analyses the vehicle situation in the image, such as vehicle number in selected area. You can set threshold, and when the number is larger or smaller than the threshold, it triggers linkage.

#### **Face Recognition**

Dahua Face Recognition technology extracts the features of captured faces and compares them with that in face database to recognize the person identity.

#### Video Metadata

With deep learning algorithm, Dahua Video Metadata technology can detect, track, capture vehicle, non-motor vehicle and people, and select the best images, and extract attributes.

#### AR Panorama

Dahua AR panorama technology generates wide-field of view through panoramic merging and splicing. The software overlaps the cameras as tags in the image. Click the tag to display the corresponding camera video, which makes monitoring visual and convenient, and improves command efficiency.

#### Region of Interest (ROI)

Dahua Regions Of Interest (ROI) technology allows you to select the monitoring area of interest to improve image effect in the selected area.

#### **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.

#### Scene

Applicable to various industries such as traffic, culture, education, health, public security and more

#### **Technical Specification**

#### Camera

Image Sensor	Channel 1 (Panoramic): 1/1.8" 4 Megapixel progressive CMOS Channel 2 (PTZ): 1/1.8" 4 Megapixel progressive CMOS	
Pixel	Channel 1 (Panoramic): 24 MP Channel 2 (PTZ): 4 MP	
Max. Resolution	Channel 1 (Panoramic): 8192 (H) × 2700 (V) Channel 2 (PTZ): 2560 (H) × 1440 (V)	
ROM	Channel 1 (Panoramic): 8 GB Channel 2 (PTZ): 8 GB	
RAM	Channel 1 (Panoramic): 4 GB Channel 2 (PTZ): 2 GB	
Scanning System	Progressive	
Electronic Shutter Speed	Auto/Manual 1/3 s-1/100,000 s	
Min. Illumination	Channel 1 (Panoramic): 0.0005 lux@F1.0 (Color,30 IRE) 0.0001 lux@F1.0 (B/W,30 IRE) Channel 2 (PTZ): 0.001 lux@F1.4 (Color,30 IRE) 0.0005 lux @F1.4(B/W,30 IRE); 0 lux (Illuminator on)	
S/N Ratio	>56 dB	
Illumination Distance	Channel 1 (Panoramic): No Channel 2 (PTZ): ≥ 400 m (1312.34 ft)	
Illuminator On/Off Control	Auto; Manual; Zoomprio	
Illuminator Number	Channel 1 (Panoramic): No Channel 2 (PTZ): 7 (IR LED)	
	Pan: 0° to 360°	
Pan/Tilt/Rotation Range	Tilt:-11° to 90°	
Pan/Tilt/Rotation Range Built-in Battery	Tilt:-11° to 90° Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V Channel 2 (PTZ): Horizontal welding/lithium battery/3 V	
	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V	
Built-in Battery	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V	
Built-in Battery Lens	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V Channel 2 (PTZ): Horizontal welding/lithium battery/3 V Channel 1 (Panoramic) : Fixed-focal	
Built-in Battery Lens Lens Type	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V Channel 2 (PTZ): Horizontal welding/lithium battery/3 V Channel 1 (Panoramic) : Fixed-focal Channel 2 (PTZ): Vari-focal Channel 1 (Panoramic) : M16	
Built-in Battery Lens Lens Type Lens Mount	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V Channel 2 (PTZ): Horizontal welding/lithium battery/3 V Channel 1 (Panoramic) : Fixed-focal Channel 2 (PTZ): Vari-focal Channel 1 (Panoramic) : M16 Channel 2 (PTZ): Module Channel 1 (Panoramic) : 2.8 mm	
Built-in Battery Lens Lens Type Lens Mount Focal Length	Channel 1 (Panoramic): Horizontal welding/lithium battery/3 V Channel 2 (PTZ): Horizontal welding/lithium battery/3 V Channel 1 (Panoramic) : Fixed-focal Channel 2 (PTZ): Vari-focal Channel 1 (Panoramic) : M16 Channel 2 (PTZ): Module Channel 1 (Panoramic) : 2.8 mm Channel 2 (PTZ): 5.5 mm-220 mm Channel 1 (Panoramic) : F1.0	

Iris Control			noramic): No		
Close Focus I	Distance	Channel 2 (PTZ): P-iris Channel 1 (Panoramic): 1.4 m (4.59 ft) Channel 2 (PTZ): 0.5 m–2 m (1.64 ft–6.56 ft) (T to)		) (T to)	
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	Channel 1 (Panoramic)	57.9 m (189.96 ft)	23.2 m (76.11 ft)	11.6 m (38.06 ft)	5.8 m (19.03 ft)
	Channel 2 (PTZ)	3030 m (9940.94 ft)	1204 m (3950.13 ft)	606 m (1988.19 ft)	303 m (994.10 ft)
Smart Eve	Smart Event				
IVS		Channel 1 (Pa Channel 2 (PT	noramic): Yes "Z): Yes		
Intelligen	ce				
Intelligence I	Description	vehicle densit	Z): Perimeter p		
IVS (Perimete	er Protection)	Channel 1 (Panoramic): Tripwire; intrusion; parking detection Channel 2 (PTZ):Tripwire; intrusion; parking detection; crossing virtual fence, fast moving, abandoned object, missing object, crowd gathering, loitering detection		detection; ned object,	
Face Recogn	ition	Channel 1 (Panoramic): No Channel 2 (PTZ): Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attribute (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot quality priority and optimization snapshot) Supports adding 5 group face databases; registering person one by one or in batches; setting face similarity; and supports face comparison with the face database containing up to 10,000 face pictures.		ement; face ng 6 attributes d beard) and , surprised, s face or me snapshot, gistering the similarity;	
Vehicle Dens	iity		noramic):Vehic ongestion alarn 'Z): No		king upper
Crowd Distri	bution Map		noramic):Crow / in area; peopl 'Z): No		
Video Metad	lata	Channel 1 (Panoramic):NA Channel 2 (PTZ): Motor vehicle, non-motor vehicle, face, and human b detection; optimization; capturing pictures; uploading high-quality face snapshots Motor vehicle attributes: License plate, plate color, vehicle type, vehicle color, vehicle logo, vehicle mode year, sun visor, seatbelt., smoking, calling, ornament, annual inspection sticker. Non-motor vehicle attributes: Type, vehicle color, nur of people, top type and color, and hat. Human body attributes: Top and bottom type and col bag, hat, gender, and umbrella. Face attributes: Gender, age, facial expressions, glasse face mask, and mustache.		uploading e color, icle model/ rnament, and color, number pe and color,	
Smart Search	1		er with Smart N arch, event extr		
Video					
Video Compi	ression	H.265; H.264 by the sub str	; H.264H; H.264 ream)	1B; MJPEG (Onl	y supported
Smart Codec		Smart H.264+ Smart H.265+			

### *Wiz Mind* | DH-PSDW82442M-A270-D440-S3

Video Frame RateChannel 1 (Panoramic): with stream: 32042/200 (PL-25/30 (ps) channel 2 (PT2): Auto stream: 3205/200 (PL-25/30 (ps)) channel 2 (PT2): auto stream: 7045/7680 (L-25/30 (ps))Stream Capability3 stream: 3 stream: 3122 × 200; 7680 × 2520; 5760 × 1896; 4060 6 × 1300ResolutionChannel 1 (Panoramic) : Main stream: 3182 × 2700; 7680 × 2520; 5760 × 1896; 4006 6 × 1300ResolutionChannel 1 (Panoramic) : Main stream: 3182 × 2700; 7680 × 522; 1780 × 420 third stream: 3182 × 2700; 7680 × 522; 1780 × 420 third stream: 3184 × 1240; 2560 × 840 Channel 2 (PT2): Main stream: 704 × 576; 640 × 480; 352 × 288 third stream: 2048 × 689; 1600 × 532; 1280 × 700 sub stream: 704 × 576; 640 × 480; 352 × 288 third stream: 2048 × 689; 1600 × 532; 1280 × 700Bit Rate ControlCBR/VBRVideo Bit RateChannel 1 (Panoramic): H 264: 32 kb/s-13872 kb/s H 265: 12 kb/s-13872 kb/s H 265: 12 kb/s-13872 kb/s H 265: 12 kb/s-13872 kb/s Channel 2 (PT2): 120 d BDay/NightChannel 1 (Panoramic): No Channel 2 (PT2): 120 d BBit CChannel 1 (Panoramic): No Channel 2 (PT2): 120 d BMotion DetectionOF/ON (4 areas, rectangular)Obefault Bit Rate with Default Bit Rate with Default Coson 1 (Panoramic): Yes (4 areas)Channel 1 (Panoramic): Yes (4 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PT2): 120 d BPrivacy MaskingChannel 1 (Panoramic): Yes (4 areas)OrigoChannel 2 (PT2): 120 d BOberlault Bit Rate with Default Bit Rate with Default Coson 1 (Panoramic): Yes (4 areas)Channel 2 (PT2): Yes (8 areas)Image StabilizationChannel		
Image: Section of the section of th	Video Frame Rate	Main stream: 8192×2700 @(1–25/30 fps) sub stream: 2048×680 @ (1–25/30 fps) third stream: 3840×1248 @ (1–25/30 fps) Channel 2 (PTZ): Main stream: 2560×1440@ (1–25/30 fps) sub stream: 704×576@ (1–25/30 fps)
Main stream: 8192 × 2700; 7680 × 2520; 5760 × 1896; 4096 × 1360 sub stream: 2048 × 680; 1600 × 532; 1280 × 420 third stream: 840 × 1248; 2560 × 840 Channel 2 (PT2): Main stream: 704 × 576; 640 × 480; 352 × 288 third stream: 1920 × 1080; 1280 × 960; 1280 × 720Bit Rate ControlCBR/VBRVideo Bit RateChannel 1 (Panoramic): H.264: 127 kb/s-32768 kb/s H.265: 50 kb/s-32768 kb/s H.265: 12 kb/s-32768 kb/s H.265: 12 kb/s-32768 kb/s 	Stream Capability	3 streams
Video Bit RateChannel 1 (Panoramic): PL264: 127 kb/s-32768 kb/s Channel 2 (PT2): H.264: 32 kb/s-15872 kb/sDay/NightChannel 1 (Panoramic): No Channel 2 (PT2): ICRBLCYesHLCYesWDRChannel 1 (Panoramic): 120 dB Channel 2 (PT2): 120 dBWDRAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; ManualNoise ReductionOFF/ON (4 areas, rectangular)Default Bit Rate with Default Bit Rate with Channel 1 (Panoramic): S192 kb/s (8192 × 2700) Channel 2 (PT2): 6144 kb/s (2560 × 1440)Region of Interest (Roi)Channel 1 (Panoramic): No Channel 2 (PT2): 6144 kb/s (2560 × 1440)DefogChannel 1 (Panoramic): No Channel 2 (PT2): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PT2): Yos (3 reas)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PT2): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PT2): NoImage CorrectionChannel 1 (Panoramic): No Channel 2 (PT2): No Channel 2 (PT2): NoAudioChannel 1 (Panoramic): No Channel 2 (PT2): NoAudioChannel 2 (PT2): No Channel 2 (PT2): NoAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Resolution	Main stream: 8192 × 2700; 7680 × 2520; 5760 × 1896; 4096 × 1360 sub stream: 2048 × 680; 1600 × 532; 1280 × 420 third stream: 3840 × 1248; 2560 × 840 Channel 2 (PTZ): Main stream: 2560 × 1440; 1920 × 1080; 1280 × 960; 1280 × 720 sub stream: 704 × 576; 640 × 480; 352 × 288
Video Bit RateH.264: 127 kb/s-32768 kb/s Channel 2 (PT2); H.264: 32 kb/s-15872 kb/s H.265: 12 kb/s-9472 kb/sDay/NightChannel 1 (Panoramic): No Channel 2 (PT2): ICRBLCYesHLCYesWDRChannel 1 (Panoramic): 120 dB Channel 2 (PT2): 120 dBWDRChannel 2 (PT2): 120 dBWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; natural; street lamp; outdoor; manual; regional customNoise Reduction3D NRDefault Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PT2): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic): No Channel 2 (PT2): 6144 kb/s (2560 × 1440)DefogChannel 1 (Panoramic): No Channel 2 (PT2): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PT2): Yotcal defogPrivacy MaskingChannel 1 (Panoramic): No Channel 2 (PT2): Optical defogPrivacy MaskingChannel 1 (Panoramic): No Channel 2 (PT2): VoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioCompressionPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Bit Rate Control	CBR/VBR
Day/NightChannel 2 (PTZ): ICRBLCYesHLCYesWDRChannel 1 (Panoramic): 120 dB Channel 2 (PTZ): 120 dBWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): NoImage CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudio CompressionPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Video Bit Rate	H.264: 127 kb/s–32768 kb/s H.265: 50 kb/s–32768 kb/s Channel 2 (PTZ): H.264: 32 kb/s–15872 kb/s
HLCYesWDRChannel 1 (Panoramic): 120 dB Channel 2 (PTZ): 120 dBWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic): Ne (4 areas) Channel 2 (PTZ): Ves (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): NoPrivacy MaskingChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogImage CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoImage GureetionChannel 1 (Panoramic): No 	Day/Night	. ,
WDRChannel 1 (Panoramic): 120 dB Channel 2 (PTZ): 120 dBWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic): Ves (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): No Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudio CompressionPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	BLC	Yes
WDRChannel 2 (PTZ): 120 dBWhite BalanceAuto; natural; street lamp; outdoor; manual; regional customGain ControlAuto; ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic): Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): NoPrivacy MaskingChannel 1 (Panoramic): Areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	HLC	Yes
White BalancecustomGain ControlAuto; ManualNoise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	WDR	
Noise Reduction3D NRMotion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	White Balance	
Motion DetectionOFF/ON (4 areas, rectangular)Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Gain Control	Auto; Manual
Default Bit Rate with Default ResolutionChannel 1 (Panoramic): 8192 kb/s (8192 × 2700) Channel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (Rol)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): NoPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoImage CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Noise Reduction	3D NR
Default ResolutionChannel 2 (PTZ): 6144 kb/s (2560 × 1440)Region of Interest (RoI)Channel 1 (Panoramic) : Yes (4 areas) Channel 2 (PTZ): Yes (8 areas)Image StabilizationChannel 1 (Panoramic): No Channel 2 (PTZ): NoDefogChannel 1 (Panoramic): No Channel 2 (PTZ): Optical defogPrivacy MaskingChannel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)Image CorrectionChannel 1 (Panoramic): No Channel 2 (PTZ): NoLanguageEnglish; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European SpanishAudioPCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Motion Detection	OFF/ON (4 areas, rectangular)
Region of interest (Roi)       Channel 2 (PTZ): Yes (8 areas)         Image Stabilization       Channel 1 (Panoramic): No Channel 2 (PTZ): No         Defog       Channel 1 (Panoramic): No Channel 2 (PTZ): Optical defog         Privacy Masking       Channel 1 (Panoramic): 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)         Image Correction       Channel 1 (Panoramic): No Channel 2 (PTZ): No         Image Correction       Channel 1 (Panoramic): No Channel 2 (PTZ): No         Language       English; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default		
Image Stabilization       Channel 2 (PTZ): No         Defog       Channel 1 (Panoramic): No         Privacy Masking       Channel 1 (Panoramic): 4 areas         Privacy Masking       Channel 1 (Panoramic): 4 areas         Image Correction       Channel 1 (Panoramic): No         Channel 2 (PTZ): 24 areas (8 for each preset)         Image Correction       Channel 1 (Panoramic): No         Language       English; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Region of Interest (RoI)	
Detog       Channel 2 (PTZ): Optical defog         Privacy Masking       Channel 1 (Panoramic) : 4 areas Channel 2 (PTZ): 24 areas (8 for each preset)         Image Correction       Channel 1 (Panoramic): No Channel 2 (PTZ): No         Language       English; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Image Stabilization	. ,
Privacy Masking       Channel 2 (PTZ): 24 areas (8 for each preset)         Image Correction       Channel 1 (Panoramic): No Channel 2 (PTZ): No         Language       English; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Defog	
Image Correction       Channel 2 (PTZ): No         Language       English; Italian; Spanish; Russian; French; German; Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Privacy Masking	. ,
Language       Portuguese; Polish; Korean; Czech; Dutch; Arabic; European Spanish         Audio       Audio Compression         PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Image Correction	
Audio Compression PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default	Language	Portuguese; Polish; Korean; Czech; Dutch; Arabic;
	Audio	
Audio Sampling 8 kHz; 16 kHz; 32 kHz; 48 kHz; 64 kHz	Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723, G.711a by default
	Audio Sampling	8 kHz; 16 kHz; 32 kHz; 48 kHz; 64 kHz

Alarm	
Alarm Event	Channel 1 (Panoramic): External alarm; No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; voltage detection; motion detection; video tampering; scene changing; audio detection; intensity change; tripwire; intrusion; parking detection; crowd density; traffic congestion; parking upper limit Channel 2 (PTZ): Tripwire; intrusion; parking detection; crossing virtual fence, fast moving, abandoned object, missing object, crowd gathering, loitering detection; face recognition; video metadata
Network	
Network Port	RJ-45 (10/100/1000 Base-T)
SDK and API	Yes
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; SNMP; P2P
Interoperability	ONVIF (Profile S/Profile G/ Profile T); CGI
User/Host	20 (Total bandwidth: 400 M)
Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS; SMB
Browser	IE: IE11 Chrome Firefox
Management Software	SmartPSS Lite; DSS
Management Software Mobile Client	SmartPSS Lite; DSS
-	
Mobile Client	
Mobile Client PTZ	NA Pan: 0° to 360° endless
Mobile Client PTZ Pan/Tilt Range	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s
Mobile Client PTZ Pan/Tilt Range Manual Control Speed	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s"
Mobile Client PTZ Pan/Tilt Range Manual Control Speed Telephoto Speed Limit	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1°
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1°
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy         Automatic Calibration	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy         Automatic Calibration         Remote Lens Reset	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes
Mobile ClientPTZPan/Tilt RangeManual Control SpeedTelephoto Speed LimitPositioning AccuracyPositioning AccuracyAutomatic CalibrationRemote Lens ResetRemote PTZ Reset	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Yes Yes
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Manual Control Speed Limit         Positioning Accuracy         Positioning Accuracy         Remote Lens Reset         Remote PTZ Reset         Preset	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Yes 300
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed Limit         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy         Automatic Calibration         Remote Lens Reset         Preset         Tour	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Solution Yes Solution Yes Solution S
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Manual Control Speed Limit         Telephoto Speed Limit         Positioning Accuracy         Automatic Calibration         Remote Lens Reset         Remote PTZ Reset         Poreset         Tour         Pattern	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Yes 300 8 (up to 32 presets per tour) 5
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed         Manual Control Speed Limit         Telephoto Speed Limit         Positioning Accuracy         Automatic Calibration         Remote Lens Reset         Preset         Tour         Pattern         Scan	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Yes Solo 8 (up to 32 presets per tour) S S
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed Limit         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy         Remote Lens Reset         Preset         Tour         Pattern         Scan         Power-off Memory	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes S 4 (up to 32 presets per tour) S S S Yes
Mobile Client         PTZ         Pan/Tilt Range         Manual Control Speed Limit         Telephoto Speed Limit         Positioning Accuracy         Positioning Accuracy         Automatic Calibration         Remote Lens Reset         Preset         Tour         Pattern         Scan         Power-off Memory         Idle Motion	NA Pan: 0° to 360° endless Tilt: -11° to 90°, auto flip 180° Pan: 240°/s Tilt: 100°/s" Yes Pan: 0.1° Tilt: 0.1° Yes Yes Yes Solo Solo Solo Solo Solo Solo Pan: 32 presets per tour)

## Wiz Mind | DH-PSDW82442M-A270-D440-S3

PTZ Limit	Yes
Position Display	Yes
Information Display	Yes
Time Display	Yes
PTZ Restart	Yes
Certification	
Certifications	CE-LVD: EN62368-1; CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU; FCC: 47 CFR FCC Part 15, Subpart B; UL/CUL: UL62368-1 & CAN/CSA C22.2 No. 62368-1-14
Port	
USB	NA
RS-485	1 (baud rate range:1200 bps-115200 bps)
Optical Module Specification	SFP optical module, single mode, single fiber 20 KmTX- 1310 nm/RX-1550 nm
Optical Fiber	FC
Optical Fiber Module Type	Gigabit SFP optical module, single mode, single fiber TX- 1550 nm/RX-1310 nm
HDMI	NA
Audio Input	2 channels (terminal)
Audio Output	2 channels (terminal)
Alarm Input	7 channels in: 5mA 3V–5V DC
Alarm Output	3 channels out: 1,000mA 30V DC/500mA 50V AC
Analog Output	1 channel (CVBS output: BNC)
Power	
Operating Voltage	36 VDC (±50%)
Power Supply	36 VDC
Power Consumption	Basic: 59 W (36 VDC) Max. (Basic power consumption + WDR + intelligence on + IR on + PTZ operation ): 99 W (36 VDC)
Environment	
Operating Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Operating Humidity	≤95%
Storage Temperature	-40 °C to +70 °C (-40°F to +158°F)
Storage Humidity	≤95%
Protection	IP66
Structure	
Casing	Metal + plastic
Product Dimensions	Ф383 mm × 462 mm (15.08" × Ф18.19")
Packaging Dimensions	500 mm × 500 mm × 658 mm (19.69" × 19.69" × 25.91") (L × W × H)
Net Weight	14.4 kg (31.75 lb)
Gross Weight	20.3 kg (44.75 lb)

Installation	Wall mount; ceiling mount; pole mount
Power Adapter	Included
Lens	Included
Power Output	12 VDC power output, max. current 165 mA, peak current 700 mA
Others	
Calibration	Manual/Auto

Ordering Information			
Туре	Model	Description	
	DH-PSDW82442M- A270-D440-S3	24 MP Multi-Sensor 270° Panoramic PTZ Hubble WizMind Network Camera	
24MP Camera	PSDW82442M- A270-D440-S3	24 MP Multi-Sensor 270° Panoramic PTZ Hubble WizMind Network Camera	
	ADS-180EL-36-1 360180E	Power Adapter	
	PBW059-00	Mount Adapter	
	PFB710C-SG	Ceiling Mount Bracket	
Accessories	PFB710W-SG	Wall / Pole Mount Bracket	
	PFB7320W	Wall / Pole Mount Bracket	
	PFA153-SG	Pole Mount Bracket	
	TF-P100	MicroSD Memory Card	

#### Accessories

Included:

ADS-180EL-36-1

360180E

Power Adapter



PBW059-00 Mount Adapter

p-

PFB710W-SG

Wall/Pole Mount

Bracket

256<sub>GB</sub> ⊎ 42 ™SE V30 ™SE V30

#### Optional:



PFB710C-SG Ceiling Mount Bracket



PFA153-SG Pole Mount Bracket

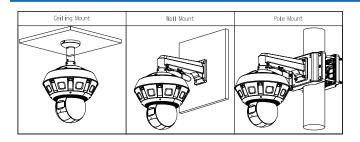
TF-P100 MicroSD Memory Card



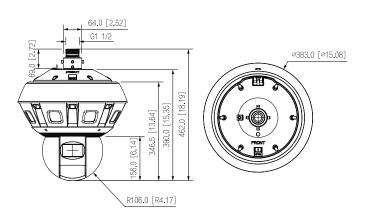
PFB7320W Wall / Pole Mount Bracket

www.dahuasecurity.com

# Wiz Mind | DH-PSDW82442M-A270-D440-S3



### Dimensions (mm[inch])



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