

# DH-MPTZ4400-2030ULB-NT

2MP Network Mobile Positioning System



- · 2MP excellent image quality
- Powerful 30x optical zoom
- Pan range: 360° endless, speed up to 80°/s
- Up to 255 Presets, 6 Tour,4 Pattern
- · Laser distance up to 500m
- Multiple network monitoring: Web viewer, CMS(DSS/ PSS) & DMSS
- DC 12V~24V Power Supply
- IP67,TVS 3000V Lightning Protection, Surge Protection and Voltage Transient Protection

# **System Overview**

Featuring powerful optical zoom and accurate pan/tilt/zoom performance, this camera provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. Together with infrared illumination technology, the camera is the perfect solution for dark, lowlight applications. The series combines a day/night mechanical IR cut filter for the highest image quality in variable lighting conditions during the day, and True WDR for applications with direct sunlight or glare. This camera can be used in police car and armored car.

# **Functions**

# Anti-vibration

Using shock-absorbing material and structure, the new design keeping the system work normally all the time.

#### Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology.

## Tracking function

This feature controls the pan/tilt/zoom actions of the camera to automatically track an object in motion and to keep it in the scene. The tracking action can be triggered manually by mobile keyboard.

# Environmental

Dahua cameras operate in extreme temperature environments, rated for use in temperatures from -30  $^{\circ}$ C to +65 $^{\circ}$ C with 90% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP67 Ingress Protection rating makes it suitable for demanding outdoor applications.

Camera     Image Sensor     1/2.8" CMOS       Effective Pixels     1920×1080,2.42 Megapixels       Horizontal Resolution     ≥1000TVL       Minimum Illumination     Color:0.005Lux@F1.6       Gain Control     Auto/Manual       3DNR     Support       2DNR     Support       S/N Ratio     ≥55dB       White Balance     Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp       Electronic Shutter Speed     1/1*1/30000s       Anti Shake     Support       Defog     Support       Backlight Compensation     Support       WDR     Support       HLC     Support       Day/Night     Auto/CR       Focus Control     Auto/Semi-Auto/Manual       Focus Control     Auto/Semi-Auto/Manual       Focal Length     4.5mm*135mm       Zoom Speed     4s       balpingheng     Horizontal-67.8*2.77*(wide-tele)       Close Focus Distance     100mm*1000mm(wide-tele)       Optical Zoom     30x       Max Aperture     F1.6*F4.4       Video       Wideo     50Hz:25fps(1920×1080),50fps(1920×1080),325fps(1280×720),60Hz;1280×720),60Hz;1280×720),60Hz;1280×720),60Hz;1280×720),60Hz;30fpz(1920×1080),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280×320),30fps(1280	Technical Specification	
Effective Pixels 1920×1080,2.42 Megapixels  Horizontal Resolution ≥1000TVL  Minimum Illumination Color:0.005Lux@F1.6  Gain Control Auto/Manual  3DNR Support  ZDNR Support  S/N Ratio ≥55dB  White Balance Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp  Electronic Shutter Speed 1/1°1/30000s  Anti Shake Support  Defog Support  Backlight Compensation Support  HLC Support  HLC Support  HLC Support  HLC Support  Color:0.004/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp  Electronic Shutter Speed 1/1°1/30000s  Anti Shake Support  Backlight Compensation Support  WDR Support  HLC Support  HLC Support  Color:0.004/Manual  Focus Control Auto/Semi-Auto/Manual  Focus Control Auto/Semi-Auto/Manual  Focal Length 4.5mm*135mm  Zoom Speed 4s  baipingheng Horizontal:67.8*2.77*(wide-tele)  Close Focus Distance 100mm*1000mm(wide-tele)  Optical Zoom 30x  Max Aperture F1.6*F4.4  Video  Main Stream Solt-2.5fps(1280x720); 60H::2.36ps(1280x720); 60H::2.36ps(1280x720); 50H::2.5fps(1920x1080),56fps(1920x1080),30fps(1280x720); 50H::2.5fps(1920x1080),30fps(1280x960),30fps(1280x720); 60H::30fps(1920x1080),30fps(1280x960),30fps(1280x960),30fps(1280x720); 60H::30fps(1920x1080),30fps(1280x960),3	Camera	
Horizontal Resolution   ≥1000TVL	Image Sensor	1/2.8" CMOS
Minimum Illumination         Color:0.005Lux@F1.6           Gain Control         Auto/Manual           3DNR         Support           2DNR         Support           5/N Ratio         ≥55dB           White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp           Electronic Shutter Speed         1/1°1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         £1.6~f4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60H:30fps(1920×1080),30fps(1280×720); 50H:25fps(1280×720); 60H:30fps(1280×720);	Effective Pixels	1920×1080,2.42 Megapixels
Minimum Illumination         0 Lux:0.0005Lux@F1.6           Gain Control         Auto/Manual           3DNR         Support           2DNR         Support           S/N Ratio         ≥55dB           White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp           Electronic Shutter Speed         1/1~1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~100mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),30fps(1920×1080),30fps(1280×720); 60Hz:30fps(1280×720); 60H	Horizontal Resolution	≥1000TVL
O Lux:0.0005Lux@F1.6  Gain Control  Auto/Manual  3DNR  Support  2DNR  Support  \$\text{Syn Ratio} \text{255dB} \text{ White Balance} \text{Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp} \text{ Electronic Shutter Speed} \text{ 1/1^1/30000s} \text{ Anti Shake} \text{ Support} \text{ Defog} \text{ Support} \text{ Defog} \text{ Support} \text{ Backlight Compensation} \text{ Support} \text{ HLC} \text{ Support} \text{ Digital Zoom} \text{ 16x} \text{ Day/Night} \text{ Auto/CR} \text{ Focus Control} \text{ Auto/Semi-Auto/Manual} \text{ Focal Length} \text{ 4.5mm~135mm} \text{ Zoom Speed} \text{ 4s} \text{ baipingheng} \text{ Horizontal:67.8~2.77"(wide-tele)} \text{ Optical Zoom} \text{ 30x} \text{ Max Aperture} \text{ F1.6~F4.4} \text{ Video} \text{ Video} \text{ Sub Stream} 1 \text{ SOHz:25fps(1220x1080),50fps(1920x1080),25fps(1280x720); 60Hz:30fps(1920x1080),25fps(1280x720); 60Hz:30fps(1920x1080),25fps(1280x960),25fps(1280x720); 60Hz:30fps(1920x1080),30fps(1328x240)} \text{ Sub Stream 2}  Sub Stream 2 \text{ SOHz:25fps(1920x1080),30fps(1280x960),30fps(128	Minimum Illumination	Color:0.005Lux@F1.6
3DNR         Support           2DNR         Support           5/N Ratio         ≥55dB           White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp           Electronic Shutter Speed         1/1~1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77"(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         SOH2:25fps(1280×720); 60H2:30fps(1920×1080),50fps(1920×1080),30fps(1           Sub Stream 1         50H2:25fps(1920×1080),30fps(1280×960),25fps(1280×720); 60H2:30fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720); 60H2:30fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720); 60H2:30fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×960),30fps(1280×960),30fps(1280×960),30fps(1280×960),30fps(1280×960		0 Lux:0.0005Lux@F1.6
ZDNR         Support           S/N Ratio         ≥55dB           White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp           Electronic Shutter Speed         1/1~1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         \$0Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×90),30fps(1280×70); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×70); 50Hz:25fps(1704×576),25fps(352×240)           Sub Stream 1         \$0Hz:25fps(1920×1080),25fps(1280×960),25fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×760),30fps(1280×760); 9s(1280×720); 60Hz:30fps(1920×1080),30fps(1280×760); 40Hz:26fps(1920×1080),30fps(1280×760); 40Hz:26fps(1920×1080),30fps(1280×760); 40Hz:26fps(1920×1080),30fps(1280×760); 40Hz:	Gain Control	Auto/Manual
S/N Ratio         ≥55dB           White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp Auto/Sodium Lamp           Electronic Shutter Speed         1/1~1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),25fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps	3DNR	Support
White Balance         Auto/Manual/Track/Outdoor/Indoor/Outdoor Auto/Sodium Lamp Auto/Sodium Lamp           Electronic Shutter Speed         1/1~1/30000s           Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         AutoICR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×220); 60Hz:30fps(704×480),30fps(51280×720)           Sub Stream 2         50Hz:25fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	2DNR	Support
Sodium Lamp Auto/Sodium Lamp	S/N Ratio	≥55dB
Anti Shake         Support           Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Sub Stream 2         50Hz:25fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	White Balance	
Defog         Support           Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1220×1080),30fps(1280×720);60Hz:30fps(1920×1080),30fps(1280×720);60Hz:30fps(1920×1080),30fps(1280×720)           Sub Stream 1         50Hz:25fps(1920×1080),25fps(1280×960),25fps(1280×960),25fps(1280×720);60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Electronic Shutter Speed	1/1~1/30000s
Backlight Compensation         Support           WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         AutoICR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77°(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×20); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1 280×960),30fps(1280×720); 60Hz:30fps(704×876),25fps(352×288) 60Hz:30fps(704×876),25fps(352×288) 60Hz:30fps(1920×1080),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Anti Shake	Support
WDR         Support           HLC         Support           Digital Zoom         16x           Day/Night         Auto/CR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1280×720); 60Hz:30fps(1280×720); 60Hz:30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Defog	Support
HLC   Support	Backlight Compensation	Support
Digital Zoom         16x           Day/Night         AutoICR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77*(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720);60Hz:30fps(1920×1080),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720);60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	WDR	Support
Day/Night         AutoICR           Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77°(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720); 60Hz:25fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),30fps(1280×960),30fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720)           Wideo Compression         H.265/H.264BaselineProfile/H.264MainProfile/	HLC	Support
Focus Control         Auto/Semi-Auto/Manual           Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77°(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×960),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Digital Zoom	16x
Focal Length         4.5mm~135mm           Zoom Speed         4s           baipingheng         Horizontal:67.8~2.77°(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video           Main Stream         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720);60Hz:30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),30fps(1920×1080),25fps(1920×1080),25fps(1920×1080),25fps(1920×1080),30fps(1920×	Day/Night	AutoICR
Zoom Speed       4s         baipingheng       Horizontal:67.8~2.77*(wide-tele)         Close Focus Distance       100mm~1000mm(wide-tele)         Optical Zoom       30x         Max Aperture       F1.6~F4.4         Video         Main Stream       50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×720)         Sub Stream 1       50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)         Sub Stream 2       50Hz:25fps(1920×1080),25fps(1280×960),25fps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720)         Wideo Compression       H.265/H.264BaselineProfile/H.264MainProfile/	Focus Control	Auto/Semi-Auto/Manual
baipingheng         Horizontal:67.8~2.77°(wide-tele)           Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Focal Length	4.5mm~135mm
Close Focus Distance         100mm~1000mm(wide-tele)           Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Wideo Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Zoom Speed	4s
Optical Zoom         30x           Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×720); 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	baipingheng	Horizontal:67.8~2.77°(wide-tele)
Max Aperture         F1.6~F4.4           Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720);           Main Stream         80×960),25fps(1280×720);           60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288)           60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25fps(1280×720);           60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720)           Wideo Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Close Focus Distance	100mm~1000mm(wide-tele)
Video         50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×720);           80×960),25fps(1280×720);         60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×720)           Sub Stream 1         50Hz:25fps(704×576),25fps(352×288) (60Hz:30fps(704×480),30fps(352×240)           Sub Stream 2         50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)           Video Compression         H.265/H.264BaselineProfile/H.264MainProfile/	Optical Zoom	30x
Main Stream     50Hz:25fps(1920×1080),50fps(1920×1080),25fps(1280×960),25fps(1280×720);       60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1280×960),30fps(1280×720)       Sub Stream 1     50Hz:25fps(704×576),25fps(352×288)       60Hz:30fps(704×480),30fps(352×240)       Sub Stream 2     50Hz:25fps(1920×1080),25fps(1280×960),25fps(1280×960),30fps(1280×720);       60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720)       Wideo Compression     H.265/H.264BaselineProfile/H.264MainProfile/	Max Aperture	F1.6~F4.4
Main Stream     80×960),25fps(1280×720);       60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1 280×960),30fps(1280×720)       Sub Stream 1     50Hz:25fps(704×576),25fps(352×288) 60Hz:30fps(704×480),30fps(352×240)       Sub Stream 2     50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)       Video Compression     H.265/H.264BaselineProfile/H.264MainProfile/	Video	
Sub Stream 1 60Hz:30fps(704×480),30fps(352×240)  50Hz:25fps(1920×1080),25fps(1280×960),25f ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f ps(1280×720)  Video Compression  H.265/H.264BaselineProfile/H.264MainProfile/	Main Stream	80×960),25fps(1280×720); 60Hz:30fps(1920×1080),60fps(1920×1080),30fps(1
Sub Stream 2       ps(1280×720);         60Hz:30fps(1920×1080),30fps(1280×960),30fps(1280×720)         Video Compression       H.265/H.264BaselineProfile/H.264MainProfile/	Sub Stream 1	
	Sub Stream 2	ps(1280×720); 60Hz:30fps(1920×1080),30fps(1280×960),30f
	Video Compression	

Audio Compression	G.711a/G.711Mu/AAC/G.722 / G.726/MPEG2-L2
Voice Intercom	Support
Protocol	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE
ROI	Support
SVC	Support
Zone Focusing	Support
Time Diaplay	Support
API	Support API, Support standard protocol (Onvif, CGI, GB/T28181), Support dahua SDK and 3rd party
Web Viewer	Support IE7 above,google,firefox,safari
Max. User Access	Max 20 users
Security Measures	User Authentication (User ID and Password), Host Authentication (MAC address), HTTPS Encryption, IEEE 802.1x Port-Based Network Access control
User Management	Multi-level user management
PTZ	
Pan Range	360°
Pan Speed	0.5~80°
Tilt Range	-15~90°
Tilt Speed	0.5~60°
Presets	255
Tour	6 tours,up to 18 presets for each
Pattern	4
Power-off recovery	Support
Laser	
Laser distance	500m
Laser Angle	Adjustable by zoom
General	
Power	DC 12~24V,wide voltage input
Consumption	36W
Protection Level	IP67,TVS 3000V Lightning Protection, Surge Protection and Voltage Transient Protection
Working Temperature	-30°C~65°C
Working Humidity	<90%
Weight	6.5 kg

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# Dimensions (mm)



