



## Specifications

PTZ		
<b>IR Distance</b>	120m-150m	
<b>IR Angle</b>	Three angle adjustable with zoom in/out	
<b>Pan Range and Speed</b>	Pan 360° endless rotate, speed 0.6°/s~200°/s	
<b>Tilt Range and Speed</b>	0°~90°, speed 0.8°/s~75°/s	
<b>Manual Speed</b>	High/middle/low for adjustable	
<b>Preset</b>	220x	
<b>Patrol</b>	8 Each patrol can add 32x presets	
<b>Pattern</b>	4 Total record time more than 10 minutes	
<b>Line Scan</b>	1x AB line scan	
<b>Park Action</b>	Supports: select preset, patrol, pattern	
ZOOM CAMERA		
<b>Video Parameters</b>	<b>Resolution</b>	2.0MP, 1920x1080
	<b>Sensor</b>	1/2.8" Ex-view Sony CMOS imx2441+IMX307
	<b>Illumination</b>	0.05 Lux (color); 0.005 Lux (black), 0 Lux with IR
	<b>S/N</b>	> 50dB (AGC OFF)
<b>Lens Parameters</b>	<b>Optical Zoom</b>	4.7mm -141mm (close to focal)
	<b>Angle View</b>	56° ~ 3.6°(Wide-Tele)
FUNCTIONS		
<b>Image</b>	Flip / mirror	
<b>White Balance</b>	Auto/manual	
<b>Exposure Mode</b>	Auto/manual	
<b>Backlight Compensation</b>	Supported	
<b>Gain Control</b>	Auto/manual	
<b>Electronic Shutter</b>	1/25~1/10,000s	
<b>DNR</b>	2D/3D digital	
<b>Focus Mode</b>	Auto/manual	
<b>Day-Night Mode</b>	Supported	
GENERAL		
<b>Video Output</b>	AHD, TVI, CVI, CVBS (Default AHD)	
<b>Video Port</b>	BNC port	
<b>Power Port</b>	DC 12V/4A	
<b>Consumption</b>	10W (max)	
<b>Working Temperature/Humidity</b>	-20°C~60°C, ≤90%RH (frostless)	
<b>Protection Grade</b>	IP66 for outside	
<b>Surge/Lightning Protection</b>	TVS3000V lightning protection, Surge protection and voltage transient protection	
<b>Package Dimension (LxWxH)</b>	300 x 300 x 470 (mm)	
<b>Weight</b>	12.13 lbs	

## Features

### 1) IR Functions

- Minimum illumination 0.05 Lux.
- High efficiency infrared array, low power consumption, IR distance of 120m
- Infrared light with a magnification distance matching algorithm;
- Constant current circuit design, IR lights life up to 30,000 hours.

### 2) System Functions

- High performance 1/2.8"Ex-view Sony CMOS imx2441+307, can achieve high quality and high sensitivity video.
- Precision motor-driven, keen responsive, smooth operation, camera's lowest running speed can be 0.6°/s, image can be moved with accuracy and stability under the high zoom-in with no vibration under any speed.
- The video output resolution: 1920x1080.
- 4-in-1 camera with AHD/TVI/CVI/CVBS with AHD as default.
- Video transmission distance up to 500m.
- Surge and lightning protection with an IP rating of IP66.

### 3) Zoom Camera Functions

- 30x optical zoom, excellent auto focus performance.
- Auto iris, electronic shutter, AWB, BLC.
- Ultra low illumination, 0.05 Lux (color); 0.005 Lux (black), 0 Lux with IR;

### 4) PTZ Control

- Pan range 360° continuous rotation, tilt range 0° to 90°.
- Auto flip, no blind spot monitoring.
- Pan preset speed max: 200°/s, tilt preset speed max: 75°/s;
- Pan control speed 0.6° ~ 200°/s tilt control speed 0.8° ~75°/s;
- Supports 220 presets, 8 patrol scans, each patrol with 32 presets; supports 4 pattern scans, total record time more than 10min; supports scan between two presets and can be limited.
- Proportional zoom function, rotating speed can be auto adjusted according to the zoom in.
- Supports park function, preset/pattern scan/patrol scan/pan scan can be auto time driven (including when in idle with power on).