



## SUPER ZOOM 45X



### Key Features



- High quality image with 2MP,1/1.8" CMOS sensor
- 1920\*1080@60fps in the main stream
- Ultra 265, H.265, H.264, MJPEG
- 45X Optical Zoom
- Smart intrusion prevention, support false alarm filtering, include Cross Line, Intrusion, Enter Area, Leave Area detection
- Face capture, automatic selection of best snapshots, support face detection masked area
- People Counting, support people flow counting and crowd density monitoring, suitable for different statistical scenarios
- Lighthunter technology ensures ultra-high image quality in low illumination environment
- Smart IR, up to 250m (820ft) IR distance
- AC 24V ±25%, DC 24V±25%, PoE++ (IEEE 802.3bt) power supply
- Alarm 7 in and 2 out, Audio 1 in and 1 out
- IP66 ingress protection

## Camera

Sensor	1/1.8", 2.0 megapixel, progressive scan, CMOS
Minimum Illumination	Colour: 0.0005Lux (F1.2, AGC ON) 0Lux with IR
Day/Night	IR-cut filter with auto switch (ICR)
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>52dB

## Lens

Lens type	5.7 ~ 256.5mm, AF automatic focusing and motorized zoom lens
Digital Zoom	16
Optical Zoom	45
Iris	Auto; F1.2 ~ F4.6
Field of View (H)	59.5° ~ 2.2°
Field of View (V)	35.6° ~ 1.2°
Field of View (D)	73.2° ~ 2.6°

## DORI

	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
DORI Distance	5.7	107.2(351.8ft)	42.9(140.7ft)	21.4(70.4ft)	10.7(35.2ft)
	256.5	3330.6(10927.2ft)	1332.2(4370.9ft)	666.1(2185.4ft)	333.1(1092.7ft)

## Illuminator

IR Range	Up to 250m (820 ft) IR range
Wavelength	850nm
IR On/Off Control	Auto/Manual

## Video

Video Compression	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 2MP (1920*1080), Max 60fps; Sub Stream: 2MP (1920*1080), Max 60fps; Third Stream: D1 (720*576), Max 60fps
Video Bit Rate	128 Kbps~16 Mbps
U-code	Support
ROI	Up to 8 areas
Video stream	Triple streams
OSD	Up to 8 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
Flip	Normal/Flip Vertical/Flip Horizontal/180°/90°Clockwise/90°Anti-clockwise
EIS	Support
HLC	Support
BLC	Support
Defog	Optical Defog & Digital Defog
<b>Intelligent</b>	
Smart Intrusion Prevention	Support false alarm filtering: Cross Line detection, Intrusion detection, Enter Area detection, Leave Area detection
Face Capture	Support; Face attributes: Gender, Age range, Glasses, Mask
People Counting	Support people flow counting and crowd density monitoring
<b>Events</b>	
Basic Detection	Motion detection, Audio detection, Tampering Alarm
Auto Tracking	Support
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
<b>Audio</b>	
Audio Compression	G.711U,G.711A
Audio Bitrate	64 Kbps
Two-way audio	Support
Suppression	Support
Sampling Rate	8 kHz
<b>Storage</b>	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR,NAS(NFS)
<b>Network</b>	
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, Profile T), 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 EZView EZLive
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
	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	360° (endless)
Pan Speed	0.1°/s ~ 180°/s
	Preset speed: 300°/s
Tilt Range	-15° ~ 90° (auto reverse)
Tilt Speed	0.1°/s ~ 180°/s
	Preset speed: 240°/s
Number of Presets	1024
Preset Patrol	16 patrols, up to 64 presets for each patrol
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15s~1800s
Preset Image Freeze	Support
Home Position	Support

## Interface

Audio I/O	1/1
Alarm I/O	7/2
Serial Port	1 RS485
Built-in Mic	N/A
Built-in Speaker	N/A
WIFI	N/A
Network	1 RJ45 10M/100M Base-TX Ethernet
Video output	N/A

## Certification

EMC	CE-EMC (EN 55032:2015+A11:2020; EN IEC 61000-3-2:2019; EN 61000-3-3:2013+A1:2019; EN 55035:2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-ROHS (2011/65/EU;(EU)2015/863)
Protection	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)

## General

Power	AC 24V ±25%, DC 24V±25%, PoE++ (IEEE 802.3bt)
	Power consumption: Max 61W
Power Interface	Wires with cold-pressed terminal
Dimensions (Ø x H)	Φ270 x 497mm (Φ10.6" x 19.6")
Weight	10.3kg(22.66lb)

Working Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ 70°C (-40°F ~ 158°F), Humidity: ≤95% RH (non-condensing)
Surge Protection	6KV
• Reset Button	Support

## Dimensions

