

# ES-52T11/12/13H

2MP WDR & Starlight IR Eyeball Network Camera



- 1/2.9" 2MP Sony Starlight Sensor
- H.265+ Triple-stream Encoding
- IR Effective Range 10~20m
- High Quality Optical Lens 2.8mm/3.6mm/6mm Optional
- IVA (Smart Function) Supported
- Built-in IEEE 802.3af PoE
- Multiple Web Browser Supported, IE/Safari/Chrome/Firefox
- P2P Cloud Function By Mobile App (AntarView)
- Lightning Protection Up to 6KV
- IP67 Ingress Protection



## System Overview

W series IP cameras are high cost efficient solution which're powered by smart H.265+ and advanced cutting-edge Sony sensor for video monitoring.

It delivers crystal clear images and industry-leading IVA smart event.

Cloud function is built-in for every single device, which are more convenient and flexible for realtime and remote viewing.

## Functions

### H.265+

Delivering high quality video with up to 70% lower bandwidth. H.265+ is the optimized evolution of H.265 and traditional H.264. The Smart H.265+ includes a series of encoding strategy like Dyamic ROI, smart 2D&3D noise reduction, etc. to save up to 70% bandwidth and storage.

### IVA (Intelligent Video Analysis)

It allows detecting multiple object behaviors, like Tripwire, intrusion, objects missing or abandoned, etc.

### Protection

With precise mechanical and rugged casing design, it stands against water and dust with industrial IP67 rank.

Support  $\pm 30\%$  input voltage tolerance, it could work safely in extreme unstable power condition.

With working temperature range  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ , it works well in a varity of harsh outdoor environments.

### WDR

Powered by ZKTeco strong ISP algorithm, W series promise to present excellent picture images at extreme contrast lighting environment. Such as Main entrance of buildings, Parking lots etc.

## Technical Parameters

### Camera

Model	ES-52T11H	ES-52T12H	ES-52T13H	Flash/DDR	16MB/256MB
Image Sensor	1/2.8" 2MP Sony Starlight Sensor			S/N Ratio	More than 52dB
Min. Illumination	Color: 0.01Lux@(F1.2, AGC ON), 0 Lux with IR B/W: 0.001Lux@(F1.2, AGC ON), 0 Lux with IR			IR Distance	10~20m
Effective Pixels	1920(H)* 1080(V)			IR LED No	1

### Lens

Focal Length	2.8mm	3.6mm	6mm	FOV	106°	96°	60°
Aperture	F1.6						

### Video

Compression	H.265+/H.265/H.264+/H.264	WDR	120dB
Resolution	1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x576)/CIF(352x288)	Day/Night	Auto(ICR)/Color/B/W
Bit Rate Control	CBR/VBR	White Balance	Supported
Bit Rate	1024Kbps~8192Kbps	Defog	Supported
Streaming	Triple stream	Noise Reduction	3D DNR
Frame Rate	Main stream: 1920x1080(1~25/30fps)	Mirror	Supported
	Sub stream: 704x576(1~25/30fps)	Flip	Supported
	Third stream: 1280x720(1~25/30fps)	BLC	Supported
Digital Zoom	12x	ROI	Support 4 fixed region for main stream and sub stream separately
Audio Compression	G.711A/G.726	Anti-flicker	Supported
		Privacy Mask	4 Areas

### Alarm & Audio

Video Detection	Motion Detection, Video Shelter	IVA	Face Detection, Tripwire, Intrusion, Object Abandoned/Missing, People counting, Density etc.
Audio	Optional		

### Network

Ethernet	1 RJ-45 port(10/100Mbps)	Web Browsers	IE/Firefox/Chrome/Safari
Protocols	TCP/IP, UDP, HTTP, IGMP, ICMP, DHCP, RTP/RTSP/DNS, DDNS, FTP, NTP, PPPoE, UPNP, SMTP, SNMP	VMS	AntarVis
Onvif	Onvif Profile S	Mobile App	AntarView
Max. Online Users	20	Platform	Mac OS/ Windows/IOS/Android

### General

Working Temperature	-30℃~+60℃	Ingress Protection	IP67
Working Humidity	10~90%	Dimensions	Φ102x93.2mm
Power Supply	PoE, IEEE802.3af	Net Weight	0.36KG
Power Consumption	DC12V±10%	Gross Weight	0.44KG

### Certifications

CE	EN55032, EN55024, EN61000-3-2, EN61000-3-3	FCC	Part 15 Subpart B, ANSI C63.4-2014
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Ordering Information

Type	Part Number	Description
2MP Camera	ES-52T11H	2MP Network Camera(2.8mm Lens)
	ES-52T12H	2MP Network Camera(3.6mm Lens)
	ES-52T13H	2MP Network Camera(6mm Lens)

Dimensions (mm)

