AI VIDEO SECURITY · 4MP · DUAL-LENS

4MP Dual-Lens IR AI Network Camera

Dual-Lens Coverage. AI-Powered Protection.

VTC-DS40

Two integrated lens channels capture adjacent views from one camera body and one network connection. AI analytics highlight people and activity across monitored areas.



VTC-DS40

DUAL-LENS TWO OPTICAL CHANNELS | **ONE CABLE** ONE NETWORK | **AI** SCENE ANALYTICS

One Cable, One IP



VS

Two Cables, Two IPs



AI VIDEO ANALYTICS

ON-CAMERA INTELLIGENCE

- Human / Vehicle Detection
- Line Crossing
- Intrusion · Entrance / Exit
- Loitering · Illegal Parking
- Abandoned / Missing Object
- Target Counting · Heat Map
- Face Detection · Capture
- Scene / Video / Audio Exceptions

Intelligent Scene Analytics

AI VIDEO DETECTION



Human / Vehicle Detection
Classification · line crossing · intrusion · entrance / exit.



Loitering & Illegal Parking
Loitering detection · illegal parking detection.



Abandoned / Missing Object
Detect abandoned or missing objects.



Target Counting & Heat Map
Target counting by line / area · heat map.



Face Detection & Capture
Face detection and face capture.



Scene Exception Detection
Scene change · video blur · abnormal color · audio exception.

Clear Imaging. Reliable Protection.

KEY PERFORMANCE

4MP · 2688 × 1520	**2.8 mm @ F1.6**	**3.6 mm @ F1.6**	**30 m IR · 0.005 lux**	**IP67 · IK10**
Dual 1/3-inch CMOS sensors	Horizontal FoV: 101°	Horizontal FoV: 83°	Minimum illumination @ F1.6	DC12V / PoE · microSD to 512GB

Connected Security Ecosystem

MANAGEMENT · INTEGRATION · ACCESS · STORAGE

Central Management
Web Browser · NVMS · NVR · Mobile App

Open Integration
ONVIF · IPv4 / IPv6 · RTSP · HTTPS

Remote Viewing
iOS / Android · up to 10 users

Storage & Resilience
microSD up to 512GB · dual-system backup

Audio: 1CH input / output · 2CH built-in microphones · 1CH built-in speaker **Alarm:** 2CH input / output **Power:** DC12V / PoE **Protection:** IP67

VidoNet

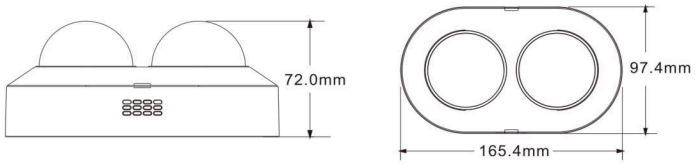
4MP Dual-Lens IR
AI Network Camera

SPECIFICATIONS

Model / Specifications	VTC-DS40			
Camera				
Image Sensor	1 / 3 "CMOS*2			
Image Size	2688 × 1520			
Electronic Shutter	1 / 3 s ~ 1 / 100000 s			
Iris Type	Fixed Iris			
Min. Illumination	0.005 lux@F1.6,AGC ON;0 lux with IR			
Lens	2.8 mm@F1.6, Horizontal FoV: 101°; vertical FoV: 55°; diagonal FoV:122° 3.6 mm@F1.6, Horizontal FoV: 83°; vertical FoV: 42°; diagonal FoV:100°			
Focus	Fixed			
Lens Mount	M12			
Day & Night	ICR			
Wide Dynamic Range	120dB			
BLC	Yes			
HLC	Yes			
Defog	Yes			
S/N Ratio	⩾50dB			
Digital NR	3D DNR			
Angle Adjustment	Pan: -90°~90°; Tilt:0°~65°; Rotation: 0°~355°			
Image				
Video Compression	Main/Third stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG			
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile			
Resolution	4MP (2688×1520), 2K (2560×1440), 3MP(2304×1296), 1080P (1920×1080), 720P (1280×720), D1, VGA(640×480), 640×360, CIF, 480 × 240			
Main Stream	4MP/2K/3MP/1080P (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Sub Stream	720P/D1/VGA/640×360/480×240/CIF(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Third Stream	D1/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)			
Bit Rate	64 Kbps ~ 8 Mbps			
Bit Rate Type	VBR / CBR			
Audio Compression	G711A / U			
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser			
ROI	Each ROI to be configured separately			
Intelligent Analytics				
Intelligent Video Detection (IVD)	Line crossing, region intrusion/entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection			
Statistics	Target counting by line/area, heat map			
Exception Detection	Scene change, video blur and abnormal color detection, audio exception			
Face Detection	Face detection and face capture			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	58m(191ft)	23m(76ft)	12m(38ft)	6m(19ft)
3.6mm	79m(260ft)	32m(104ft)	16m(52ft)	8m(26ft)
Interfaces				
Network	RJ 45 10M/100M self-adaptive Ethernet port			
Video Output	No			
Audio	1CH audio input; 1CH audio output; 2CH built-in MICs; 1CH built-in speaker			
Storage	Built-in micro SD card slot; up to 512GB			
Reset	Yes			
Alarm	2CH alarm input; 2CH alarm output			
Power Output	Yes, max. DC12V@100mA			
Functions				
Remote Monitoring	Web Browser/NVMS/NVR/mobile APP			
Web Browser	Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+			
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission			

Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, 802.1x, UPnP, HTTPS, NAT, QoS
Interface Protocol	ONVIF
API& SDK	Yes
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, audio alarm
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, disarming, ANR, cloud upgrade
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP/API services
PoE	Yes , IEEE802.3af
IR Distance	30 m
Ingress Protection	IP 67 & IK10
Others	
Power Supply	DC12V/PoE
Power Consumption	<9.5W
Storage Conditions	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Operating Conditions	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	165.4 × 97.4× 72
Weight (net)	Approx. 0.755KG
Material	Aluminum alloy body
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , and REACH(EC1907/2006)

DIMENSIONS



AVAILABLE ACCESSORIES



VTC-YXH0208

AVAILABLE MODEL

Available Model	VTC-DS40, 2.8mm lens*2
	VTC-DS40, 3.6mm lens*2

*All pictures and specifications are for reference only and are subject to change without prior notice.