Straight View Lens

Lighting Source	6× LEDs; 9W
Imaging System	1/3" 2.0M CMOS,1920×1080 (2.0 MegaPixels)
Viewing Angle	6.7°-68°
Sensitivity	0.03 Lux
Focus	Fixed
Working Temp	−10°C ~ 50°C
Dimension(LxWxH)	100×75×75mm
Weight	0.6kg

Cable Reel

Cable Length	120m
Cable Specs	4-core (1.2mm²), 8mm diameter
Durability	300kg Kevlar, PUR sheath, anti-corrosion
Winding	Auto winding w/ electromagnetic clutch
Counter Accuracy	1mm
IP Rating	IP63
Dimension	570mm×395mm×475mm
Weight	47.5kg (with 120m cable)

Main Control

Standard Device	Windows system laptop
Compatibility	Customer laptop supported (no specific reqs)
Connection	WiFi or Internet cable
Software Control	Movement, speed, PTZ, focus/zoom, lighting, lift
Status Display	Time, distance, project info, diameter, pressure, speed
Text Input	Multi-language support (EN, CN, FR, IT, RU, TH, etc.)
Defect Location	Clock positioning display
Warnings	Roll angle overrun, abnormal air pressure

Joystick

Connection	Wired connection with Windows System
Control	Movement, speed, focus/zoom

FOR MORE INFO

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EASY-SIGHT

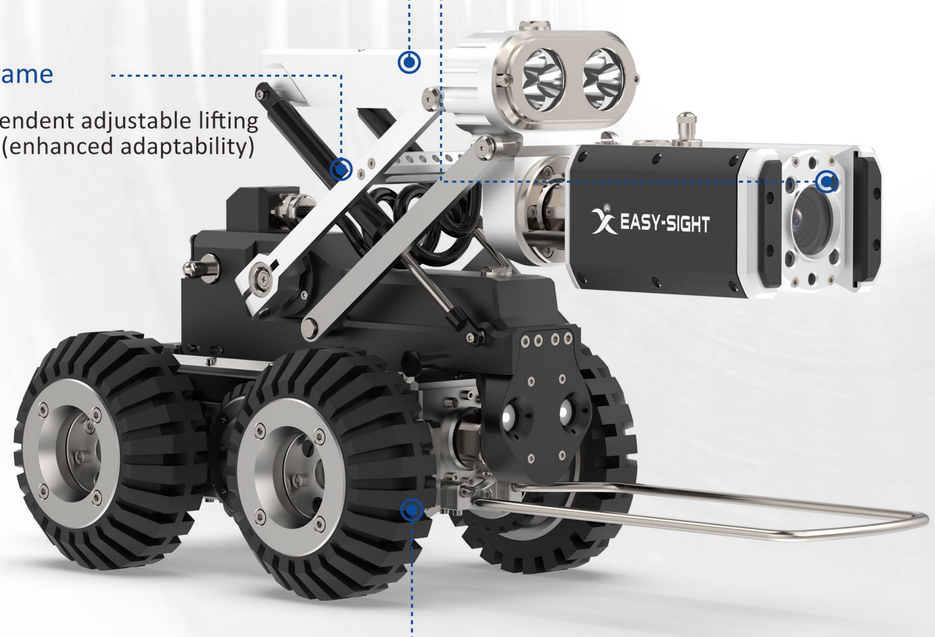
X5-HMA4

CCTV Inspection Robot data sheet (DN150-500mm)

Product Overview

X5-HMA4 CCTV pipeline inspection robot adopts a tablet-based wireless control system for real-time HD video streaming, recording and crawler status monitoring.It captures defect snapshots on-site and auto-generates inspection reports upon completion.
The unit includes crawler, camera, cable reel and control system. The crawler supports rotary, pan-tilt and fixed lenses, and executes movement, steering, speed and camera positioning commands. Operators can view live footage, store recordings and add text notes via the touchscreen controller.

Key Features



Applicable Pipe Diameter

Compact design for DN150mm pipelines

Lift frame

Independent adjustable lifting frame(enhanced adaptability)

Rotating Straight View Lens

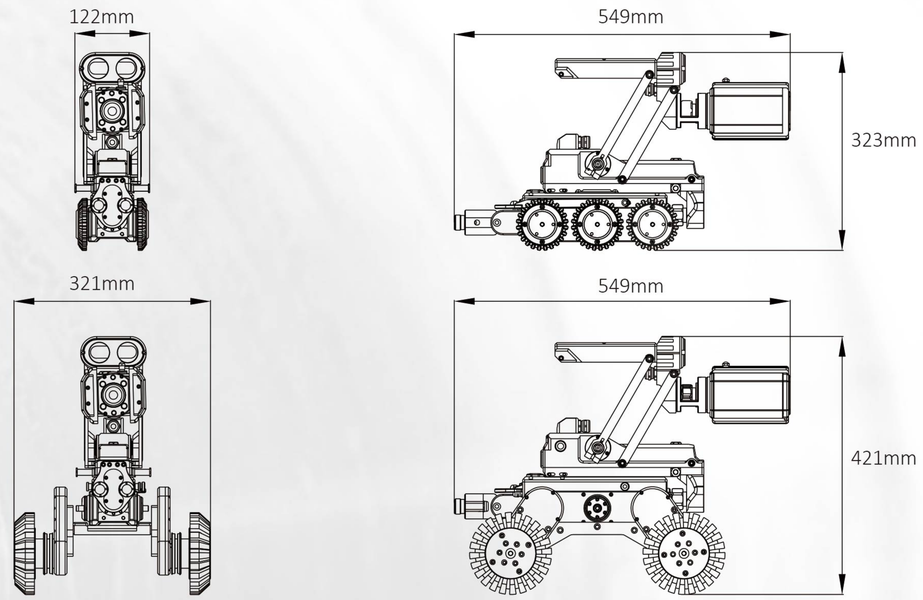
2MP high-definition camera

Wheels

6-wheel drive|Max speed 15m/min

Dimensions

wheel sets: 3/4/6-inch



Specifications

Crawler

Pipe Diameter	DN 150~500mm
Drive System	Double 25W DC motor, 6-wheel drive
Max Speed	15m/min
Climbing Ability	Max 45°
Camera Lift	Detachable
Front Lighting	8× LEDs; 26W
Rear Lighting	2× LEDs; 6W
Rear Camera	1920×1080 (2.0 MegaPixels)
Wheels Provided	3", 4", 6" rubber wheels
IP Rating	IP68 (10m water depth)
Working Temp	−10°C ~ 50°C
Dimension(LxWxH)	385x126x102mm
Weight	15kg

Red PTZ Camera

Zoom	10x optical
Imaging System	1/2.8" CMOS, 1920×1080 (2.0 MegaPixels)
Lighting	4× LEDs; 6W
Optics	FOV 7°-81°, 0.05Lux sensitivity
Rotation	360° endless rotation, ±90° tilt, 1-click reset
Focus	Auto/manual focus
IP Rating	IP68
Working Temp	-10°C ~ 50°C
Dimension(LxWxH)	170×105×90mm
Weight	1.9kg