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

+86 18871858099

sales@easysight.cn
www.pipedetect.com

No.16 XingYuanChangStreet,
JiangXiaDistrict,Wuhan,China

Follow us on: LinkedIn, Youtube, Facebook

EASY-SIGHT

X5-HM100

CCTV Inspection Robot Data Sheet (DN100-250mm)

Product Overview

The X5-HM100 is a compact HD pipeline CCTV inspection robot system, utilizing a tablet as the master control unit. The master control connects wirelessly to other system components, enabling real-time display and recording of high-definition inspection videos. It is suitable for inspecting community small-diameter pipelines and municipal storm/sewer pipelines from DN100 to DN250.

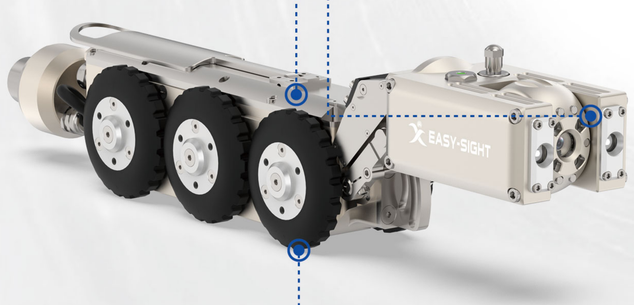
Key Features

Small PTZ Camera

2MP high-definition camera

Applicable Pipe Diameter

Compact design for DN100mm pipelines

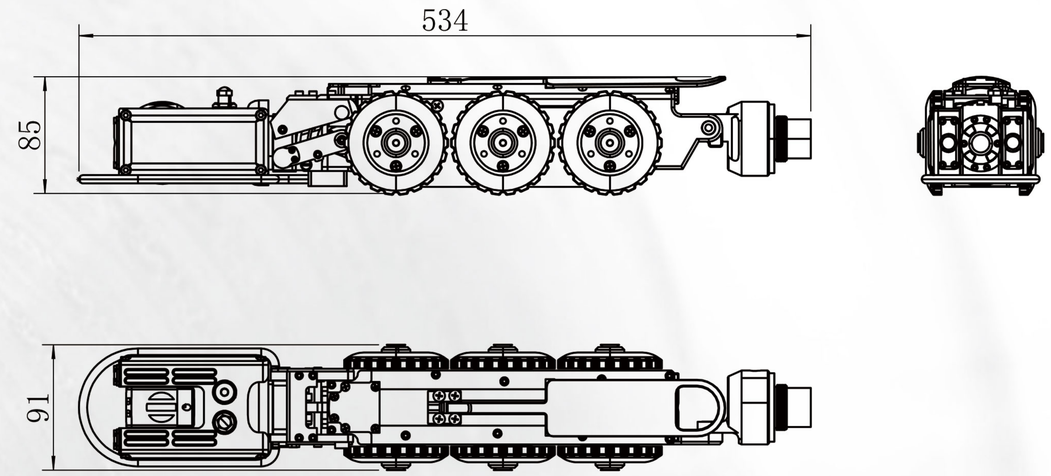


Wheels

6-wheel drive | Max speed 18m/min

Dimensions

wheel sets: 3-inch



Specifications

Integrated Crawler & Small PTZ Camera

Pipe Diameter	DN 100~250mm
Drive System	Double 60W DC motor, 6-wheel drive
Max Speed	18m/min
Camera Lift	Fixed
PTZ Front Lighting	6× LEDs; 12W
Rear Lighting	2× LEDs; 4W
Rear Camera	1920×1080 (2.0 MegaPixels)
Wheels Provided	3" rubber wheels
PTZ Zoom	3× Digital
PTZ Imaging	1/3" CMOS, 1920×1080 (2.0 MegaPixels)
PTZ Optics	FOV Max 78°, 0.01Lux sensitivity
PTZ Rotation	360° endless rotation, ±90° tilt, 1-click reset
PTZ Focus	Auto/manual focus
IP Rating	IP68 (10m water depth)
Working Temp	-10°C~50°C
Dimension(L×W×H)	510×91×87mm (3" wheels, lowest lift)
Weight	7.2kg (3" wheels)

Cable Reel

Cable Length	120m
Cable Specs	4-core (1.2mm^2), 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)