

SEWER
ROBOTICS

“SEEING IS BELIEVING”

C70 CAMERA NOZZLE



C70

CAMERA NOZZLE



AI AUTOMATIC DETECTED DEFECTS



“COLLECT **VALUABLE INTELLIGENCE
AT LOW COSTS & MINIMUM EFFORT
WHILE CLEANING”**



SUPERIOR VIDEO

The auto-upright, High-Definition camera is protected by stacked Sapphire lenses and records always from a perfect horizontal position.

AUTOMATIC RECORDING

A built-in high pressure switch activates 8 super bright LED's and automatically starts the recording without interrupting the cleaner's workflow.

PERFECTLY HORIZONTAL VIDEO

Mechanical self-leveling keeps the camera at a perfect horizontal position without eliminating pixels.



EXTREMELY DURABLE

The Stainless housing and stacked, Sapphire, lenses withstand impacts from rocks, concrete deposits and a good swing into the pipe.



10 HOURS RUNTIME

The Lithium-Ion battery pack is rapidly charged and lasts as long as a good 10 hour working day.

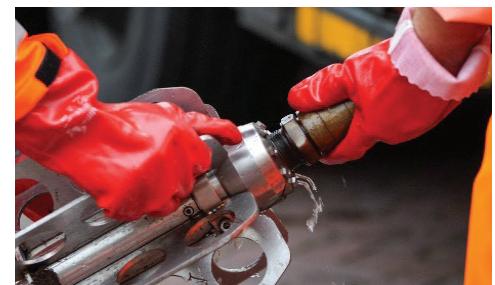
WIDE APPLICATION RANGE

Various easy exchangeable skids are available to keep the video nozzle at the right position inside 150 – 1000mm (6 – 40") pipelines.



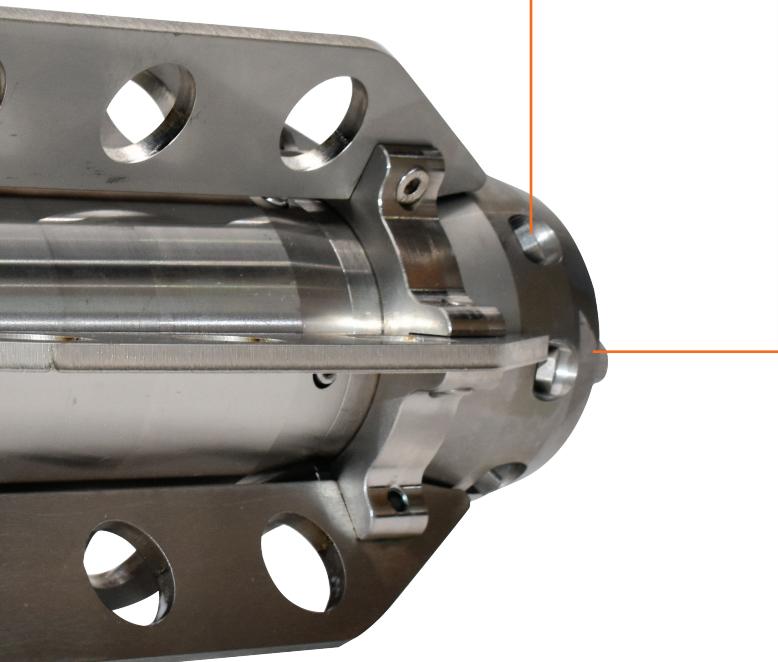
• GREAT CLEANING CAPACITY

Great cleaning and debris transportation with 8x 55° & 4x 20° exchangeable ceramic jets. (Other nozzle configurations available)



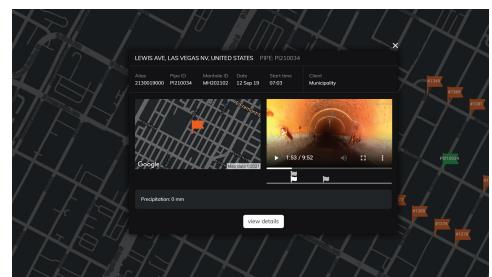
• FOR ANY TRUCK

The stand-alone C70 camera nozzle threads onto any jetting hose.



• NO BUTTONS NOR FLASH DRIVES

WIFI communication between nozzle and tablet for wireless operation and video downloading from the nozzle and uploading to the cloud.



SEWER ANALYTICS WEB CLOUD

Login to SewerAnalytics.com to review videos, add header information and observations, prioritize next actions and share cleaning reports with customers.



AI AUTOMATIC DEFECT CODING

Reliable artificial intelligence software that automatically codes and classifies defects according international CCTV inspection standards.

INTERACTIVE MAP

Dashboard

Clients

Video Nozzles

Cleanings

Interactive Map

Users

My Account

Lewis Ave, Las Vegas NV, United States

#2037 Pipe reference: PT10024

Date: September 12, 2019

Client organization: Municipality

Cleaning organization: Cleaning company

Back to cleanings

Video



1:54 / 9:52

Take snapshot

Current frame



Position observation

Code: BAB - Structural - Fissure

Choose: C - fracture

Description:

Save Save & add another

SEWER ANALYTICS

ADD OBSERVATIONS

Dashboard

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SEWER ANALYTICS

SEWER ROBOTICS

Pipe details

Pipe Height / Diameter	200	Pipe Width	Not required where both dimensions are the same - e.g. 200		Pipe Material	City	Other material
Pipe Shape	Circle	Other shape			Pipe length (m)	50.42	End Manhole ID
Start Manhole ID	MH202102	Pipe ID	P1210034		Other location type	MH202102B	
Manhole start coordinates	36.1632526794711, -115.1371812360053		Location type	A - In a road	Manhole end coordinates	36.16305994732299, -115.13667285739221	
Direction	Upstream	Sewer usage	C - Combined drain or sewer		Other usage	Address (optional)	
Name sewer system			Sewer type	A - Gravity drain or sewer	Neighbourhood	Lewis Ave, Las Vegas NV, United States	
					City	Las Vegas	

Cleaning details

Type of debris	A - Foli	Debris level	A - 0% < restriction <= 10%		Manhole water level	A - h >= 10% of pipe height	
Purpose	A - Routine cleaning	Other purpose			Priority	No priority	

ADD HEADER INFO & PRIORITY

"LOGIN TO SEWER ANALYTICS TO ACCESS CLEANINGS"

- + REVIEW VIDEOS
- + ADD HEADER INFO
- + ADD MANUAL OBSERVATIONS
- + AI AUTOMATIC INSPECTION
- + PRIORITIZE CLEANINGS
- + SHARE CLEANING INFO WITH CUSTOMERS

"THE FUTURE STARTS TODAY"

With reliable artificial intelligence software that automatically analyses your cleaning videos by coding and classifying defects according international CCTV inspection standards.

Your analysed cleanings are conveniently organized and prioritized in SEWER ANALYTICS. Ready for decisions making.



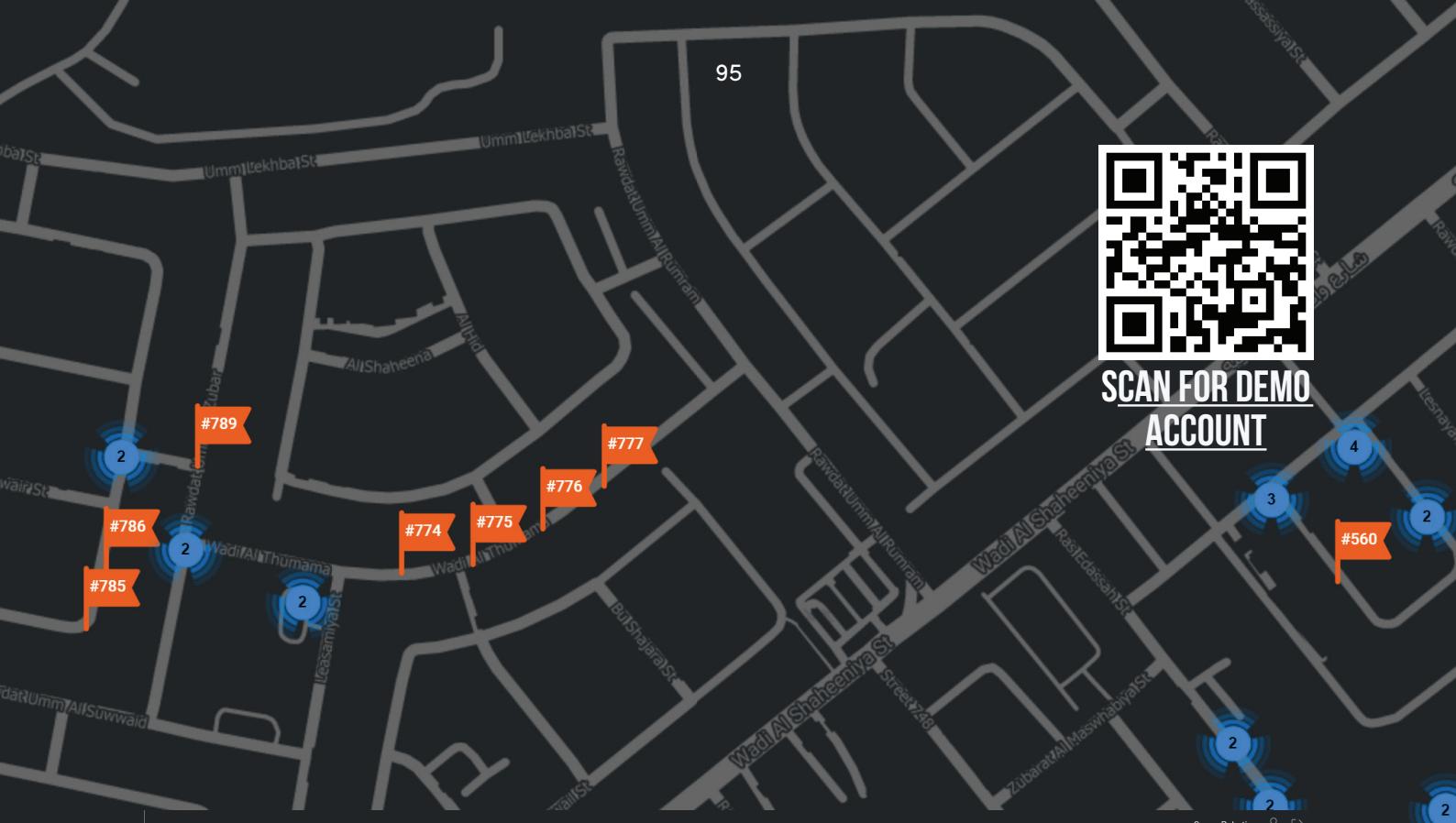
AI AUTOMATIC DETECTED DEFECTS



AI AUTOMATIC DETECTED DEFECTS



SCAN FOR DEMO
ACCOUNT



SEWER ANALYTICS

- DASHBOARD
- CLIENTS
- VIDEO NOZZLES
- CLEANINGS 220
- INTERACTIVE MAP
- ORDERS
- MY ACCOUNT
- MY ORDERS

Location

Map Satellite

Click the marker above and click the location of the end point to add it. Click again at the location of the starting point to change it.

Reset

Video

2021-06-02 00:17:05

1:23 / 2:08

AI inspected Add observation

Observations (9)

Time	Code	Classification	Description	Images
00:01:16	BBFD	5	Infiltration, gushing (D) entering under pressure..	
00:01:16	BBBB	3	Attached deposits, grease (B),	
00:01:19	BBFD	5	Infiltration, gushing (D) entering under pressure..	
00:01:19	BBBB	3*	Attached deposits, grease (B),	

SEWER ANALYTICS WEB CLOUD

C70 CLEANING WORKFLOW

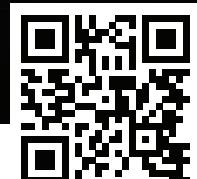


The SEWER ROBOTICS C70 video nozzle is compatible with any jetting truck and easily threaded on the jetting hose.



C70

CAMERA NOZZLE



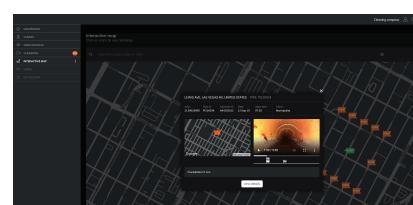
C70 150 - 1000MM (6-40")

The durable C70 camera nozzle easily threads onto any jetting hose to help cleaning crews and asset managers record High Definition, auto-upright, video at low-cost during pipe cleaning operations.

Once the pipe is cleaned, the video is downloaded with a single touch of a button and automatically uploaded to the SEWER ANALYTICS Web Cloud, together with the date, time and GPS location of the cleanings.



C70 SKIDS



SEWER ANALYTICS WEB CLOUD

SPECIFICATIONS

Scope of use	: 150 – 1000mm (6-40")
Pressure	: 125 – 275bar (1800-4000psi)
	: Up to 3000bar (43,500psi) ¹
Flow	: 80 – 650 LPM (21-170GPM)
Hose connection	: ¾, 1 and 1¼" BSP & NPT
Video	: Self leveling, High-Definition, MP4
Camera	: CMOS, 1980x1080 or 1280x720
Internal storage	: 32 Gb
Cleaning	: 8x 55° & 4x 20° jets with Ceramic orifices
	: Other nozzles (optional)
Housing	: Durable, Stainless-steel
Protection lenses	: 2 Sapphire lenses, stacked
Lighting	: 7 intensity adjustable superbright LED's
Battery	: Lithium-Ion battery pack
	: 10+ hours battery runtime
	: 3 hours charge time
Weight	: 6,2kg (13,7 Lbs) ²
Dimensions	: D90x295mm (D3.5x11.6") ²
Tablet	: 8", Rugged, IP67
	: Windows® operated
	: GPS receiver

FEATURES

- Pressure activated lighting
- Pressure activated recording
- Wireless operation & video downloading
- Great cleaning, thrust and debris removal

SEWER ANALYTICS

- Password-protected access from any device
- Automatic cloud synchronization³
- Automatic registration of date, time and location
- Interactive map, observation coding, prioritizing and sharing functions
- FREE 500 GB SEWER ANALYTICS Cloud Storage

ACCESSORIES

- Jet inserts
- Hose adapters and swivels
- Nozzles for different cleaning applications
- Large diameter skid with auxiliary lighting
- Charging dock for C70 and tablet
- Inclination measurement
- Customized software integrations