



SYNTHOCAM H₂O

Live access potable CCTV inspection system

Developed for live access into potable water mains via a through bore hydrant or 80mm valve fit with an adaptor flange. All the parts that come into contact with the potable water are made from WRAS approved materials and components. The system uses an integrated microphone.

- Faster - quickly locates leakages by simultaneously seeing and hearing within the pipe reducing time for customers to be off water.
- Cheaper - reduces maintenance costs.
- Safer - uses a pressure balanced insertion tube for safe access and egress with the water main, hydrant and or drilling system.
- Further - survey up to 160m from a single excavation.
- Easier - This system comes with full training and support.



FEATURES

- Interchangeable High resolution 30mm camera for diameters from 4" / 90mm to 10" / 250mm. Optional upgrade to 46 self levelling camera.
- Removable gland head for easier assembly.
- 80mm flange upgrade for access through a valve.
- 12mm Ø push rod with WRAS approved sleeve.
- Choice of display - 8 hour battery life and selection of data storage systems options.
- Interchangeable Camera Head Spring with integrated microphone.
- WRAS approved materials and Chlorination unit included.
- For use up to 10bar.
- Integrated Sonde for increased accuracy.

CONTACT OUR TEAM TODAY TO DISCUSS YOUR REQUIREMENTS
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SYNTHOTECH

Pressure Balance Insertion Tube

Weight approx.	12kg	
External dims. approx	150 x 2150mm	
Max operating pressure	10bar water	
Attachment	2.5" round thread hydrant outlet (London)	
Access type	Through Bore Hydrant live access	
Max camera Size	46mm	
Minimum mains size	4" / 90mm	
Max cobra cable Ø	12mm (sleeved)	
Operating temp	-5°C to 40°C	
Storage temp	-25°C to 55°C	

Mic Insertion Spring



Dimensions	22 Ø x 350mm
Weight	0.45kg
Features	Sonde and Microphone

System 3 Cobra 8.5mm

Dimensions	750 x 890 x 360mm	
Weight	18kg	
Materials	7.4 basalt fill with ALDPE sleeve	
Rod	12mm Ø x 100m	

Cameras

		
Camera and size	S301 - 30mm	S460 - 46mm
Camera type	Fixed	Self Levelling
Weight	78g	
Camera dims	30 x 52mm	
Power	0.75W (no LED) 2W (Full LED)	
IP rating	IP68, 10bar water	IP68, 10bar water
Focal range	50 to ∞	
Lighting type	LED	LED
LUX	50,000	300,000
Active pixels	976 x 496	
Horizontal res.	710TVL	

B-SCU VDU



Weight approx.	5kg
External dims. approx	275 x 250 x 122mm
Video recording	WIFI / USB
Screen shot	WIFI / USB
Screen size	8"
Screen Luminance	1000 cd/m ²
Battery	12V 8Ah internal (8 hours)
Input connection	DC power jack (battery charger)
Output voltage	7.5-12.5V
Overlay	Time, date, meterage
Meterage	On-screen hub rotation
Environmental	IP67 - closed/IP40 open

