Inspection tool name	360° High-Definition CCTV
Inspection tool description	Standalone high resolution CCTV attachment that can be mounted on either the NFT tool or RFT tool. The unit is completely self-contained for battery power, storage, and lighting, but does rely on the host tool's odometers for distance tracking.
Dimensions of inserted inspection tool	The unit measures 8 inched in diameter and is 9 inches long. It mounts on the front of the NFT tool or RFT tool (see above).
Technical Constraints	
Pipe Material	PCCP, concrete cylinder (bar-wrapped steel), reinforced concrete steel cylinder, steel, ductile iron, cast iron
Pipe Diameter (inches)	12-inch to 120-inch
Pipe slope (%)	100% during tethered operation
Flow requirements (feet per sec)	N/A – only works in dewatered pipe (otherwise poor image quality).
Pressure (psi)	N/A
Pressure (psi) Maximum inspection distance per access location (feet)	N/A Tethered: 6,000 feet, or a total of 360° in combined bends, whichever comes first
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Maximum inspection distance per access location (feet) Types of anomalies detected Resolution of detected	Tethered: 6,000 feet, or a total of 360° in combined bends, whichever comes first Liner damage (including cracking), internal deposits/build-up, material changes, past repairs, etc.
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Maximum inspection distance per access location (feet) Types of anomalies detected Resolution of detected anomalies Anomaly detection limitations (pipe barrel thickness, joints, pipe thickness, valves) Pipe entry access requirements (flange dia.,	Tethered: 6,000 feet, or a total of 360° in combined bends, whichever comes first Liner damage (including cracking), internal deposits/build-up, material changes, past repairs, etc. Localized Lining Cracks in 78-inch pipe Will only document pipe that is dry. If pipe has some standing water left in a belly: the CCTV won't see past belly. Same as tool it is mounted on: Minimum 18-inch diameter
Maximum inspection distance per access location (feet) Types of anomalies detected Resolution of detected anomalies Anomaly detection limitations (pipe barrel thickness, joints, pipe thickness, valves) Pipe entry access requirements (flange dia., manhole diameter/height, etc.)	Tethered: 6,000 feet, or a total of 360° in combined bends, whichever comes first Liner damage (including cracking), internal deposits/build-up, material changes, past repairs, etc. Localized Lining Cracks in 78-inch pipe Will only document pipe that is dry. If pipe has some standing water left in a belly: the CCTV won't see past belly. Same as tool it is mounted on: Minimum 18-inch diameter manhole access