

Telescopic Inspection Cameras / Endoscopes

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Measuring & Inspection



Photo: Bay Area Rapid Transit District — Public domain — via Wikimedia Commons (Legacy_BART_car_accepted_by_Oakland_Ballers.jpg)

A telescopic inspection camera (borescope/endoscope) snakes a small camera on a flexible or rigid pole into pipes, engines, ducts and cavities, showing what is hidden on a phone or screen. It turns invisible maintenance and check work into quick visual checks.

Key Features

- Camera heads 5-10 mm
- Flexible or semi-rigid shafts
- LED illumination around the lens
- Video and photo capture
- Wi-Fi or USB live viewing

Typical Uses in the Workshop

- Inspect pipes, ducts and hidden cavities
- Check inside engines and machines
- Verify cleanliness and blockages
- Rescue dropped items visually

Safe Operation

1. Charge and connect the viewer
2. Guide the head into the opening
3. Watch the live feed and rotate
4. Record the inspection evidence
5. Withdraw gently without forcing

SAFETY NOTES

- Do not insert into live electrical equipment
- Do not force the shaft past resistance
- Keep the camera away from hot surfaces
- Clean the lens after dirty work
- Do not use in liquids unless rated

Maintenance & Consumables

- Wipe the shaft and lens clean
- Check the connector and battery
- Store coiled in its case
- Replace damaged tips
- Keep the LED bright by cleaning

Specification & Buying Notes

A Wi-Fi endoscope with a 5 mm camera and LED covers most inspections, streaming to a phone. Quality shafts flex without kinking. Purchase with a case and spare tips.