

PENTAX Medical
G-EYE™ HD+ endoscopes.

The smart innovation in enhancing detection capabilities.



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Excellence in Focus

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A new era in colonoscopy.
Straightening every loop and fold.



A new era in colonoscopy starts with the G-EYE™ HD+ endoscopes, featuring a permanently integrated latex-free balloon at the bending section for advanced detection and therapy.

Employing a Unique Controlled Withdrawal™ technique with the balloon partially inflated, the G-EYE™ HD+ endoscope straightens and stretches the colonic folds. It supports physicians to find potential adenomas,

flat lesions and polyps hiding behind, between or on the colonic folds. As needed, the balloon can be fully inflated to anchor and stabilise the endoscope during intervention and especially during polypectomy in difficult positions.

Key advantages of G-EYE™ HD+ endoscopes

- Enhancing detection capabilities by straightening intestinal folds and smoothening colon topography
- Eliminating bowel slippage with Unique Controlled Withdrawal™
- Centralising endoscope optics in combination with HD+ and i-scan improves visualisation
- Colonoscope stabilisation results in a faster and more controlled intervention



G-EYE™ HD+ Video Endoscopes:

Product	Insertion tube [ø mm]	Distal end [ø mm]	Instrument channel [ø mm]	Working length [mm]	Field of view [°]	Tip deflection up/down [°]	Tip deflection right/left [°]	Inflated balloon diameter [mm]	Remarks
G-EYE34-110F	11.6	11.5	3.8	1,500	140	180/180	160/160	Up to 60	HD+, Water Jet System, permanently integrated reusable balloon
G-EYE38-110L/F	13.2	13.2	3.8	1,700/1,500	140	180/180	160/160	Up to 60	HD+, Water Jet System, permanently integrated reusable balloon
G-EYE38-110F2	13.2	13.2	3.8	1,500	140	180/180	160/160	Up to 60	HD+, Water Jet System, increased rigidity, permanently integrated reusable balloon

Constant monitoring

SPARK²C inflation system ensures constant monitoring and leak testing before and during the entire procedure. It provides controlled air pressure in three intermediate levels to one or two balloons. For accurate leak detections, a separate automatic hand held leak tester will be available to be used anytime during reprocessing in both pressure and vacuum states.

The G-EYE™ HD+ system complies with the EU directive for safety requirements (guaranteed by CE 0482). Like any other standard GI endoscope, the G-EYE™ HD+ system has reprocessing, reporting and certification from Nelson Laboratories.



Advantages of SPARK²C (inflation system)

- Constant monitoring and leak testing before and during the entire procedure
- Anchoring pressure for stabilisation
- Unique Controlled Withdrawal™ pressure
- Easy operation



SPARK²C (inflation system)

Electrical input voltage [VAC]	Electrical input frequency [Hz]	Dimensions [mm]	Weight [Kg]	Set pressure tolerance [mbar]	Inflated balloon set pressure [mbar]
100-240	50-60	280 x 195 x 90	1.9	±10	Anchoring pressure 70 mbar. Unique Controlled Withdrawal™ pressure – 3 intermediate levels

On demand enteroscopy at any time

The G-EYE™ HD+ endoscope, combined with the disposable AB (Advancing Balloon) applied through the instrument channel, provides an ultimate assembly for performing deep and small intestine two-balloon endoscopy.

The G-EYE™ HD+ endoscope as well as the AB devices are controlled simultaneously by the SPARK²C inflation system.

