

Flexible video
Naso-Pharyngo-Laryngoscopes.

Leading-edge video endoscopy for ENT.



The PENTAX Medical VNL product range offers a complete solution for advanced endoscopy needs. The excellent image quality and i-scan technology will support both diagnostic and therapeutic procedures. Flexible video endoscopy will enable functional stroboscopy as well as FEES examinations in a patient-friendly manner. Our broad range of high-quality ENT scopes includes fiberoptic scopes, high-resolution videoscopes and a video transnasal esophagoscope.

State-of-the-art high resolution image technology supporting diagnosis and therapy.



Maximum Flexibility

- With flexible video endoscopes, anatomic regions and physiological function can be observed far more effectively than with rigid endoscopes.
- Full assessments of the nasal, oropharyngeal, laryngeal and even esophageal structures are possible.
- All video endoscopes require a video processor and have a bifurcated light cable for optional use with a PENTAX Medical stroboscopy system.

No Compromise in Image Quality

- Latest High-Definition and high resolution chip technology offer the sharpest images.

- The powerful light source of the PENTAX Medical EPK-i5000 provides excellent illumination and the state-of-the-art i-scan processing technology delivers superb image enhancement capabilities.

Broad Field of Application

- Flexible video endoscopy allows the evaluation of physiological function for a diverse range of activities (e.g. speech, swallowing, singing, even playing a musical instrument).
- Transnasal approach allows an unlimited view of the oropharyngeal and laryngeal cavity.
- With the exclusively designed esophagoscope, TNO examinations can be performed to look beyond the ENT borders.

High-Resolution Video Endoscopes

Type	Naso-Pharyngo-Laryngoscopes				Esophago-Video-Endoscope
	Slim	Routine	Slim	Therapeutic	
Product	VNL-1190STK	VNL-1590STi	VNL-1070STK	VNL-1590STK	EE-1580K
Insertion tube [ø mm]	3.7	5.1	3.3	4.9	5.1
Distal end [ø mm]	4.1	5.6	2.9	4.9	–
Instrument channel [ø mm]	–/–	–/–	–/–	2.0	2.0
Working length [mm]	300	300	300	300	600
Field of view [°]	80	100	85	85	140
Tip deflection up/down [°]	130/130	130/130	130/130	130/130	210/120
Remarks	–	HD+*	–	–	–

*HD+ > High-Definition

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