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ВИДЕОСКОПЫ

Техническое описание

Ambu's company philosophy has always been the desire to make life easier for doctors and to find innovative products that can save lives. Innovation and entrepreneurship are key for . Always have been. Always will be.



Fields of Excellence

Anaesthesia

With the innovative development of the first self-inflating resuscitator, the " bag" in 1956, forever changed the history of saving lives. Now more than half a century later we are still dedicated to the development of innovative products that help save lives and simplify workflow and the daily life of the anaesthetists to the benefit of the patients.

Within the field of anaesthesia offers a wide range of products from resuscitators, face masks and laryngeal masks to the highly innovative single use flexible intubation scope. Products that all have their own place in the difficult airway algorithm.

Emergency Care

We consistently focus on developing new devices to improve patient care and make the work of our customers easier. In the field of emergency care we offer a broad assortment of products, from resuscitators, suction pumps and CPR barriers to our well-known training manikins and immobilisation devices.

Patient Monitoring & Diagnostics

In 1971, a Danish engineer by the name of Jan Rasmussen recognized the need to obtain reliable traces from biosignals. Since then we have been leading the way in the design and development of high quality single-use electrodes for accurate diagnosis.

offers a complete range of electrodes for different applications to meet your needs.

75 years – past, present and future

Ideas may be conceived in one person's head, however, it takes a collaboration of minds to see them evolve into real products.

Since 1937, we have been leading the way in healthcare. We develop ideas whether they arrive through meticulous research or by a clever question asked by a customer. All that matters is that we transform ideas into efficient solutions that work to our customer's advantage and improve patient safety.

We listen to your needs

Our desire to listen to the needs of healthcare professionals has been the driving force behind the development of the bag, the Blue Sensor® electrodes or the world's first single-use videoscope, the aScope™.

devices are used every day to rescue, revive, diagnose, monitor or train. We are proud of this. But our products do nothing on their own. They are only useful in the skilled hands of doctors, nurses and paramedics around the world.

Next 75 years

Our customers tell us that they need reliable high-quality products ready for immediate use. They expect excellent service and on-time delivery. They need innovation to help improve patient outcomes and optimise efficiency. They want training and clinically meaningful evidence.

Above all, our customers want us to truly understand the challenges of their patient care and to collaborate on the development of future solutions.

We are determined to continue to develop best-in-class products and the services you expect for your work each and every day. We do it now and we will do so for many decades to come.

Ambu's commitment to quality

products are designed and manufactured to comply with all relevant internationally recognised standards. Our entire organisation is committed to providing products that match the high expectations of users and patients, fully meet the requirements defined by standards and guidelines.

The quality management system operates under ongoing consideration for maintaining ISO 13485 quality management system certification, and is subject to regular inspections by the regulatory authorities in compliance with the international standard for medical device manufacturers.

Our commitment to quality includes an ongoing effort to improve on feedback, and forward product requests from our customers.



A new generation of airway visualisation devices

That's . Leading the way in visualisation

Successful airway management can make the difference between life and death. Ambu's new range of single-use visualisation devices – consisting of the flexible videoscopes aScope 2, aScope 3 and the King Vision video laryngoscope – assist the clinician, whether confronted with a routine or difficult airway.

Single-use, safe and affordable

Combining the convenience of a single-use device with a superior image quality and user-friendliness at an affordable price, aScope 2, aScope 3 and King Vision are a completely new generation of airway visualisation devices. With a reduced risk of cross-contamination, this highly complementary visualisation range from improves patient safety when assisting clinicians in successful airway management procedures.



“ Do you always have the necessary visualisation equipment readily available? ”

Visualisation: The new standard in airway management. The evidence is becoming clearer

The standards in airway management are changing – The clinical airway community is increasingly embracing visualisation devices to enhance patient safety and control costs.

This trend is further accelerated as more and more studies document the benefits of using advanced single use visualisation equipment.

“ Insufficient availability of equipment for management of the difficult airway and the proper training in the use of this equipment were considered among major causative or contributing factors to poor outcomes. Immediate access to a fibroscope for airway inspection or for difficult airway management was a recurrent problem ”

NAP4 - 4th National Audit Project of The Royal College of Anaesthetists¹

¹ Cook T et al., NAP4 - 4th National Audit Project of The Royal College of Anaesthetists and The Difficult Airway Society, Major complications of airway management in the United Kingdom, Report and findings, March 2011

“ aScope™ 2 is an acceptable alternative in the management of unexpected difficult airway cases such as difficult intubations and dislodged tracheal tubes when a multi-use fiberoptic endoscope is unavailable ”

“ Making the aScope 2 available for use in the typical clinical setting is likely to improve outcomes and improve patient safety ”

“ Critical care units need a rapidly available difficult airway trolley/fiberoptic laryngoscopy. This recommendation reinforces the Intensive Care Society and Royal College of Anaesthetists' recommendations. ”

NCEPOD Tracheostomy Report: On the Right Trach?

“ The total annual cost of fiberoptic intubation with re-usable fibroscopes was £46,385. Based on 141 fiberoptic intubations per year, this equated to £329 per use, an average dominated by repair/maintenance costs (43%) and capital depreciation costs (42%). In comparison, the total annual cost of using single-use fibroscopes for the same work would have been around £200 per use. ”

Cost comparison of re-usable and single-use fibroscopes in a large English teaching hospital
R. A. McCahon¹ and D. K. Whyne²

¹ Consultant Anaesthetist & Honorary Consultant Lecturer, Department of Anaesthesia, Queen's Medical Centre, Nottingham University Hospitals NHS Trust, Nottingham, UK

² Professor of Health Economics, School of Economics, University of Nottingham, Nottingham, UK

® aScope™ 3 system

As the only sterile single-use scopes available for intubation and bronchoscopy aScope 3 and aScope 3 Slim solve three key challenges: They are instantly accessible, sterile straight from the pack and they require no further handling and reprocessing. aScope 3 is ideal for a wide range of endoscopic procedures:

From intubation and bedside bronchoscopy procedures to training of intubation and bronchoscopy skills.

aScope 3 is likely to be cost saving for use in unexpected difficult airways in remote hospital units, operating theatres and intensive care units¹.



Accessible

Choosing aScope 3 and aScope 3 Slim is about enhancing patient safety. It is about ensuring immediate access to a flexible videoscope - in the clinical setting and in the training and maintenance of flexible endoscopy skills.



Sterile

Sterile straight from the pack aScope 3 offers a unique opportunity to eliminate the risk of cross-contamination.



Easy

The aScope 3 system is highly portable with easy set up. The scope is single use requiring no reprocessing after use.

aScope Product Specification

	® aScope™ 3 Regular 5.0/2.2 ■	® aScope™ 3 Slim 3.8/1.2 ■	® aScope™ 3 Large 5.8/2.8 ■	® aView™
Product item no.	403001000	402001000	414001000	405002000
Working channel	2.2 mm	1.2 mm	2.8 mm	
Tube sizes	ET tubes ID ≥ 6mm Min DLT ≥ 41 Fr	ET tubes ID ≥ 5mm DLT tubes ≥ 37 Fr	ET Tubes ID ≥ 7mm	
Compatible with aView	YES	YES	YES	

1.Guidance.nice.org.uk/mtg14

® aScope™ 3 Regular

Features and Benefits:

- Always available: Sterile and ready to use with the aView monitor
- Reduces the risk of cross-contamination
- Large suction and working channel



® aScope™ 3 Slim

Features and Benefits:

- Always available: Sterile and ready to use with the aView monitor
- Reduces the risk of cross-contamination
- Small suction and working channel
- Works with Aintree catheter and other smaller tubes



® aScope™ 3 Large

Features and Benefits:

- Always available: Sterile and ready to use with aView Monitor
- Reduces the risk of cross-contamination
- Large working channel suitable for management of tough or large amounts of secretion
- Eliminates repair costs as well as any limitations caused by complex reprocessing



® aView™

Features and Benefits:

- Portable touch-screen monitor
- Operational in seconds
- Intuitive user interface
- Easy file transfer by USB
- Minimum 3 hours battery time
- Enhanced viewing with Image Extend
- Display of live image on external monitor, e.g. for training



AuraGain

Features and Benefits:

- DEHP free
- 3 sizes (3-5) for patients 30kg to 100kg
- Broad clinical use. Gastric access channel for managing gastric content
- Sterile with 3 year shelf life
- MR safe



King Vision

King Vision® has been designed with the intention to make a revolutionary series of high performance portable video laryngoscopes. The King Vision® combines the convenience of a durable reusable, video display with a disposable blade at a price that's affordable for all of your intubations, difficult and routine.

The King Vision® is ergonomically designed to provide minimal lifting of soft tissue and impact on teeth.



Portable

The King Vision® is light weight, self-contained, battery operated and water resistant. The King Vision® can be used continuously for more than 1 hour making it highly portable. Blades are individually packaged. Each blade is disposable, eliminating concerns on cross contamination.



Affordable

Disposable blades allow economical use of the King Vision® video laryngoscope for all intubations. With the King Vision® you can improve patient care by having high performance visualisation capabilities for every intubation, at an affordable price.



Durable

Designed to be your primary tool for all intubations. Video output capability is compatible with external monitors and recording devices.

The robust, full-colour, non-glare display can resist repeated cleaning and normal use wear and tear.

King Vision® Video Laryngoscope

Features and Benefits:

- Advanced imaging technology and unparalleled ergonomic design. Visionary performance in the palm of your hand.
- Unique flexibility from the choice of two blade types - standard and channeled - depending on the user technique and complexity of the airway. Choose what is right for you and your patient.
- King Vision® is designed to visualise the vocal cords indirectly which can help minimise the need for tissue manipulation and improve the ability to see anterior airways



King Vision® System

The King Vision System comprises of a reusable screen, which is directly connected to either a disposable standard blade or disposable channeled blade, whichever suits your requirements best.

Alternatively, there is the option to purchase the King Vision aBlade system, meaning customers can connect the disposable aBlade's via an adapter. This alternative potentially gives the customer an overall lower cost per intubation depending on the number of intubations done.



King Vision System

Product Specification

Product item no.	Description	Quantity
KVISo1	Reusable Display	1/CS
KVLo3	Standard Blade, Size 3	1/EA
KVLo3C	Channeled Blade, Size 3	1/EA
KVLKIT3	Vision Display, Case, AAA Batteries, 3 Channeled and 1 Standard Size 3 Vision Blades	1/CS

King Vision aBlade System

Product Specification

Product item no.	Description	Quantity
KVISo1	Reusable Display	1/CS
KVLAB3	Standard aBlade, Size 3	20/CS
KVLAB3C	Channeled aBlade, Size 3	20/CS
KVLA34	aBlade Video Adapter 3-4	1/CS
KVLABKIT3	1 Vision Display, 1 Video Adapter, Case, AAA Batteries, 4 Channeled and 2 Standard aBlade	1/CS
KVISo1VA34	1 Display and 1 Video Adapter 3-4	1/CS
KVISo1ADCASE	aBlade case	1/CS
KVCABL	Custom Video-out Cable (2.75 m / 9')	1/CS

Product and clinical application matrix

Suggested clinical procedure	Primary Clinical Setting				
	OR	ICU	ER	Resuscitations Crash Carts	EMS
Airway examination	■ ■ ■	■ ■	■ ■ ■		
Routine intubation	■	■	■	■	■
Difficult intubation	■ ■ ■ ■	■ ■ ■	■ ■ ■ ■	■	■
Awake intubation	■ ■ ■	■ ■	■ ■ ■		
PDT	■ ■ ■	■ ■	■ ■ ■		
DLT/BB placement	■ ■		■ ■		
BAL	■ ■	■ ■			

■ aScope 3 Regular
 ■ aScope 3 Slim
 ■ aScope 3 Large
 ■ King Vision



Operating room & Emergency room:

Whether in the Operating Room or Emergency Room the access to visualisation equipment is vital when an unexpected situation occurs. Simple guidelines and available visualisation equipment should be an integral part of effective airway management in the above clinical settings.

Ambu's visualisation range is suitable for installation in every OR/ER to support local guidelines of difficult airway management. With the combination of the King Vision and the aScope 3 every airway can be secured - from the routine intubation to complex awake intubations or unexpected difficult airways.

The aScope and King Vision are suitable for a range of procedures in the OR:

Features and Benefits:

- Airway examination
- Routine intubation
- Difficult intubation
- Placement of DLTs for thoracic surgery
- Awake intubation

Intensive Care Unit:

Immediate accessibility, portability and fast set-up as well as no risk of cross-contamination make aScope 3 ideal for bedside procedures in the ICU. With an aScope 3, the patient can be treated immediately when needed without having to wait for the arrival of a reusable scope and stacking system. The sterile aScope 3 ensures that culture samples obtained during bronchial lavage are not contaminated.

The aScope 3 is suitable for a range of bedside procedures in the ICU:

Features and Benefits:

- Airway inspection
- Tube check & intubation
- Management of retained secretion
- Bronchial lavage
- Percutaneous tracheostomy
- Training of bronchoscopy skills

Due to its portability and simplicity the King Vision is also a highly relevant product in the ICU for tube exchange and intubation.

Pre-hospital/A&E:

Urgent airway management in the emergency situation concerns securing the airway and maintaining appropriate ventilation. In these situations the patient outcome is highly dependent on simple and efficient procedures. The King Vision is a relevant device for airway management in the pre-hospital/A&E setting due to its simplicity and portability. The King Vision is a simple two piece construction which makes it easy and quick to setup. With the choice of two different blade types operators are able to use the King Vision with their preferred technique.

King Vision is suitable for a range of procedures in EMS:

Features and Benefits:

- Routine intubation
- Difficult intubation
- Foreign body removal

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