



Improving patient safety with innovative visualisation

Ambu® aScope™ 3, VivaSight™ and King Vision™

A new generation of airway visualisation devices

The standards in airway management are changing and the clinical community is increasingly embracing visualisation devices to enhance patient safety and control costs. This trend is further accelerated as clinical studies document the benefits of using advanced visualisation equipment. It is also reflected in the extensive NAP 4 Report¹ from the UK that underlines the importance of adding visualisation devices to the toolbox in airway management.

“ 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 fibrescope for airway inspection or for difficult airway management was a recurrent problem ”

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


“ One of the significant changes in the 2013 Difficult Airway Algorithm is that video laryngoscopy can and should be considered both as an initial approach to intubation (awake or following induction) and following failed intubation in which face mask ventilation is inadequate. The video laryngoscope is now listed as one of the suggested devices in the portable storage unit for difficult airway management ”

Carin Hagberg, ESA 2013 on the ASA 2013 Difficult Airway Algorithm

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

NICE guidance MTG14, July 2013²

1. 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



Complex airway management, both in and out of the operating room setting, continues to be a challenge, and having the appropriate equipment and training can potentially reduce adverse events.

Carin Hagberg, ESA 2013

A new generation of airway visualisation devices

Successful airway management can make the difference between life and death. Ambu's new generation of single-use visualisation devices all play a role in assisting the clinician to be successful, whether confronted with a routine or a difficult airway, a single lung ventilation procedure, or a bedside bronchoscopy procedure in the ICU.

Combining the convenience of a single-use device with a superior image quality and ease of use at an affordable price, aScope 3, VivaSight and King Vision are a completely new generation of airway visualisation devices.

The single-use concept of this highly complementary visualisation range from Ambu improves patient safety when assisting clinicians in successful airway procedures.

| | OR | ER | ICU | Difficult Airway Trolleys |
|---------------------------|-----|-------|-------|---------------------------|
| Airway examination | ● ● | ● ● ● | ● ● | |
| Routine intubation | | ● | ● | ● |
| Difficult intubation | ● ● | ● ● ● | ● ● ● | ● ● ● |
| Awake intubation | ● ● | ● ● | | |
| Single Lung Ventilation | ● | ● ● | | |
| Removal of foreign bodies | | ● | | |
| Bronchial inspection | | | ● ● | |
| PDT procedure | | | ● ● | |
| BAL or BW procedure | | | ● ● | |
| Secretion management | | | ● | |

- aScope 3 Slim ● aScope 3 Regular ● aScope 3 Large
- VivaSight-DL ● VivaSight-SL ● King Vision



aView Monitor



King Vision



aScope 3 Slim



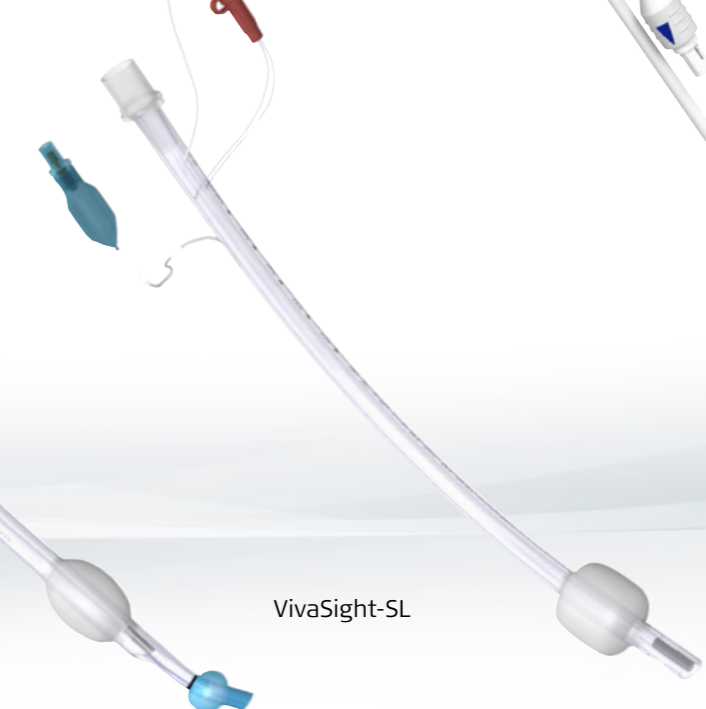
aScope 3 Regular



aScope 3 Large



VivaSight-DL



VivaSight-SL

aScope 3

The single-use concept of aScope 3 solves three key challenges: they are instantly available, sterile straight from the pack and they require no further handling and reprocessing.

aScope 3 is ideal for a wide range of bronchoscopy procedures. Whether you need to intubate, perform a PDT or BAL procedure, or require high suction capacity for tough retained secretion the aScope 3 Family covers your needs. The unique colour coding of the scopes makes it easy to select the right size.

aScope 3 is immediately available, portable, and easy to use, making it the ideal choice for bedside bronchoscopy.

Six good reasons to use aScope 3 bronchoscope



aScope 3 offers improved patient safety as it is always available when needed



aScope 3 is sterile with no risk of cross-contamination



aScope 3 is portable, intuitive and fast to set-up and use



aScope 3 gives you 3 sizes in one system at no additional cost



aScope 3 is cost effective. Low investment costs. No repair and reprocessing costs



aScope 3 gives you easy access to practice your bronchoscopy skills

aScope 3 is the safe choice for bedside bronchoscopy



aScope 3 Large

- Insertion cord diameter 5.8 mm
- Channel width of 2.8 mm
- Bending angle 140°/110°
- Connection for fixation of ET tube

aScope 3 Regular

- Insertion cord diameter 5.0 mm
- Channel width of 2.2 mm
- Bending angle 150°/130°
- Connection for fixation of ET tube

aScope 3 Slim

- Insertion cord diameter 3.8 mm
- Channel width of 1.2 mm
- Bending angle 130°/130°
- Connection for fixation of ET tube

aView Monitor

- Portable touch screen monitor with clear high resolution image

aView

aView is a portable high resolution monitor. The clear and high resolution image quality enables easy navigation and fast identification of anatomical landmarks.

aView allows images and videos to be recorded and stored for later reference.

Key benefits of aView monitor include

- 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

aView is the portable, intuitive monitor for aScope 3 Family



Connection for aScope 3



USB port

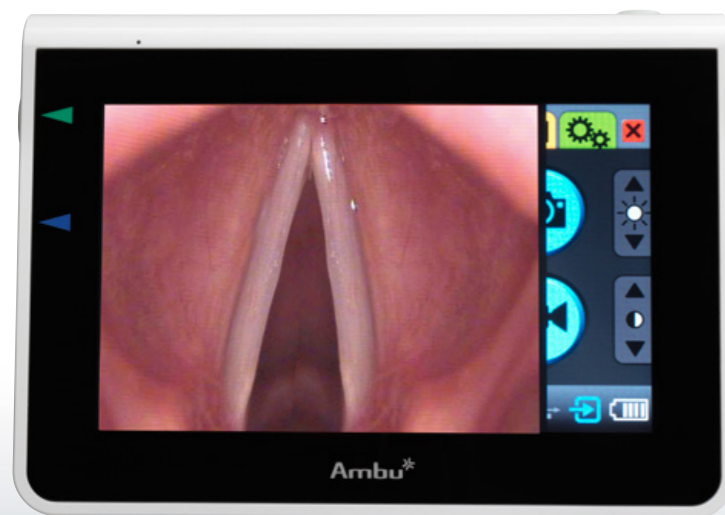


Image Extend enlarges the live image on aView for better viewing at a distance



Video-out for connection to external monitor

VivaSight

Intubation and airway management during lung isolation procedures present a series of challenges for even the most experienced team.

The Ambu portfolio for SLV is about visual control during placement as well as continuous visualisation during the entire SLV procedure.

The VivaSight-DL with integrated high-resolution camera makes placement of the DLT fast and effective and the continuous visual monitoring throughout the procedure makes single lung ventilation safer as incorrect positioning is easily detected and corrected.

The full Ambu portfolio for SLV includes VivaSight-DL (DLT), and VivaSight-SL (ETT) with integrated high-resolution camera together with the bronchial blocker VivaSight-EB, and the single-use bronchoscope aScope 3 Slim. The portfolio offers the flexibility to choose between different visualisation solutions – all contributing to increased patient safety.

Six good reasons to use the VivaSight endotracheal tubes



VivaSight provides real time visual monitoring during placement and throughout the entire procedure



VivaSight helps overcome today's placement and positioning challenges of SLV such as the need for repositioning during intubation as well as the SLV procedure



VivaSight improves patient safety as incorrect placement is easily detected and can be corrected instantly



VivaSight makes lung isolation fast and effective as it reduces the time required for intubation and for visual confirmation during and after intubation



VivaSight provides reassurance and confidence for the anaesthetist



VivaSight products are single-use and sterile with no risk of cross-contamination

VivaSight for faster and safer Single Lung Ventilation

VivaSight-EB

- Single-use Endobronchial blocker
- Size 9 Fr
- Compatible with VivaSight-SL



VivaSight-Max Monitor

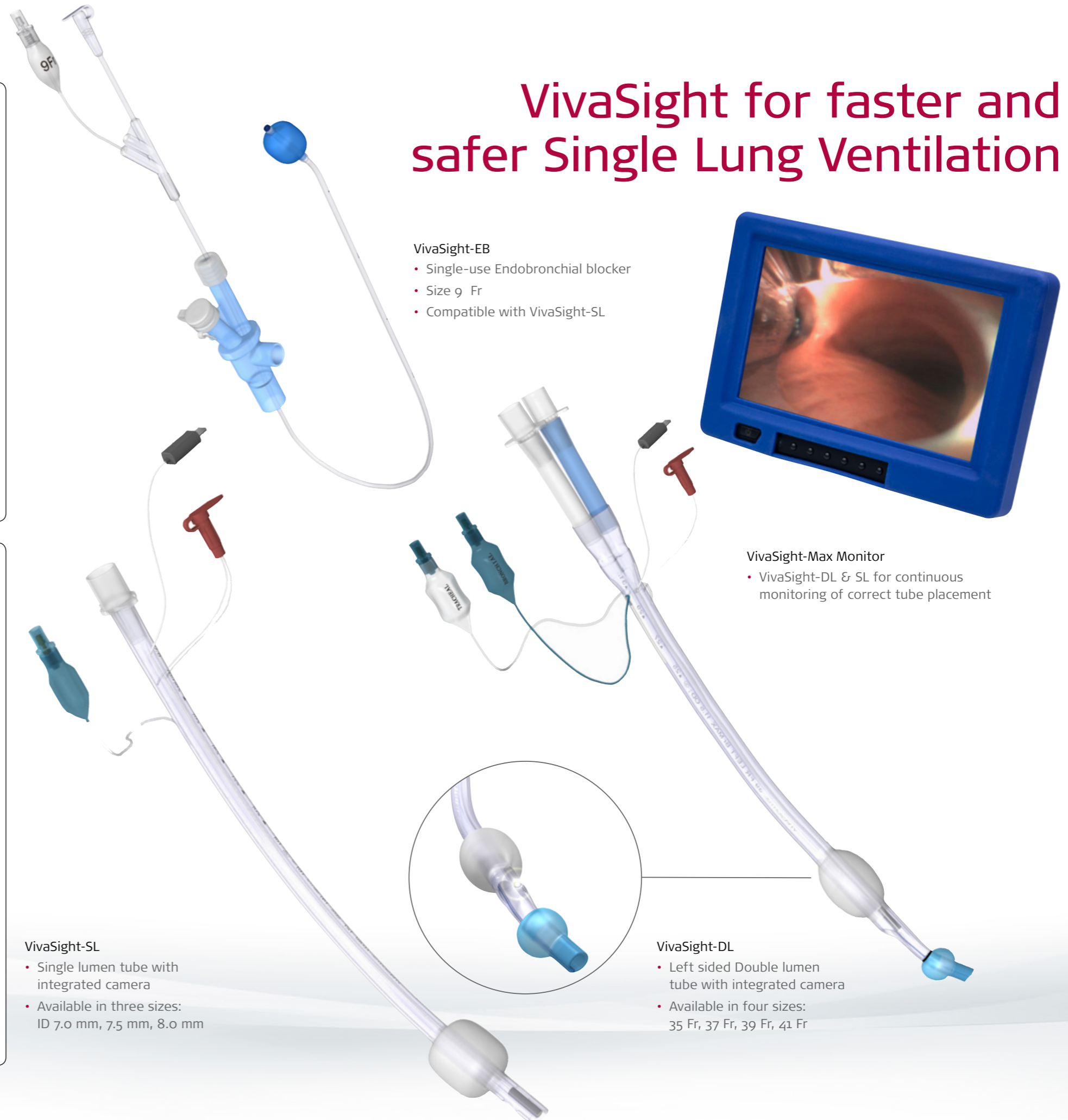
- VivaSight-DL & SL for continuous monitoring of correct tube placement

VivaSight-SL

- Single lumen tube with integrated camera
- Available in three sizes: ID 7.0 mm, 7.5 mm, 8.0 mm

VivaSight-DL

- Left sided Double lumen tube with integrated camera
- Available in four sizes: 35 Fr, 37 Fr, 39 Fr, 41 Fr



King Vision aBlade

Planning for the difficult airway, expected or unexpected, is no longer a challenge when intubating a patient. Whether an adult or a child, with King Vision you are always prepared for the difficult airway.

King Vision is designed to enable quick and easy intubation with its display providing a consistent clear real-time view of your patient's airway. The single-use blades are available in three different sizes and offers the choice of two blade types, allowing you to keep your preferred intubation technique.

King Vision aBlade is a durable, portable and affordable solution that will maximise your chance of first-attempt success and minimize time-to-intubate.

Six good reasons to use King Vision Video Laryngoscope



King Vision offers the choice of two blade types for user flexibility



King Vision is light weight, self-contained and battery operated, which makes it operational in seconds



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



King Vision holds a full colour TFT LCD display with advanced imaging technology that provides visionary performance in the palm of your hand



Single-use blades eliminate risk of cross contamination



With a clear image viewing in 160° panoramic field King Vision is suitable for training of intubation skills

King Vision for safe and easy intubation



Ordering information

| Reference number | Description | Size | Units/box |
|----------------------|--|------------|-----------|
| aScope 3 | | | |
| 402001000 | aScope 3 Slim | 3.8/1.2 mm | 5 |
| 403001000 | aScope 3 Regular | 5.0/2.2 mm | 5 |
| 414001000 | aScope 3 Large | 5.8/2.8 mm | 5 |
| VivaSight | | | |
| DLVT35L | VivaSight-DL | 35 Fr | 5 |
| DLVT37L | VivaSight-DL | 37 Fr | 5 |
| DLVT39L | VivaSight-DL | 39 Fr | 5 |
| DLVT41L | VivaSight-DL | 41 Fr | 5 |
| TVT70100 | VivaSight-SL | 7.0 mm | 10 |
| TVT75105 | VivaSight-SL | 7.5 mm | 10 |
| TVT80110 | VivaSight-SL | 8.0 mm | 10 |
| EBB09700 | VivaSight-EB | 9 Fr | 5 |
| SA00014 | VivaSight-Max 7" LCD Monitor | | 1 |
| SA00013 | VivaSight Direct RCA cable kit for external monitors | | 1 |
| aView monitor | | | |
| 405002000 | aView | | 1 |

VivaSight-DL, VivaSight-SL, and VivaSight-EB are manufactured by ETVision Medical Ltd and are distributed by Ambu A/S
 King Vision is manufactured by King Systems Inc. and distributed by Ambu A/S



“Have you considered the consequences for you and for your patients of not having a flexible scope available when you need it?”

| Reference number | Description | Units/box |
|--------------------|---------------------------------------|-----------|
| King Vision | | |
| KVLAB1 | Standard aBlade size 1 | 20 |
| KVLAB2 | Standard aBlade size 2 | 20 |
| KVLAB2C | Channelled aBlade, size 2 | 20 |
| KVLAB3 | Standard aBlade, size 3 | 20 |
| KVLAB3C | Channelled aBlade, size 3 | 20 |
| KVLVA12 | aBlade Video Adapter, size 1-2 | 1 |
| KVLVA34 | aBlade Video Adapter, size 3 | 1 |
| KVISo1 | Reusable Display | 1 |
| KVLABKIT3 | aBlade Kit | 1 |
| KVISo1VA34 | 1 Display and 1 Video Adapter, size 3 | 1 |
| KVCABL | Custom Video-out Cable (2.75 m / 9') | 1 |
| KVISo1ADCASE | Case for Display and Video Adapter | 1 |

*US: aScope 3, VivaSight and King Vision RX only