

S14

Convenient rechargeable battery to allow ongoing use, lasting for over 3 hours

HDMI connectivity to external monitor or TV screen

Battery charge % indicator

Crystal clear colour correct image quality with a 3.75" LCD high resolution screen. Resolution ratio: 800 x 480RGB

Button Functions:
1 On/Off
2 Open menu/select
3 Up scroll video/photo/menu
4 Down scroll video/photo/menu/format disk (hold down)

24hr time and date display

S16

Quick data transfer via USB

S16

Built-in 7.5GB storage, which can store approx. 10 hours of video or 70k+ pictures

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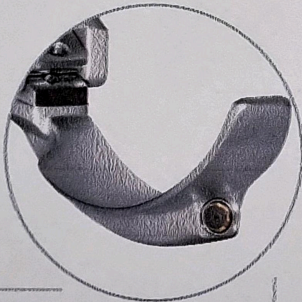
The screen rotates 180° from left to right and tilts 110° up and down. It also has a view angle of 160° making it convenient for teaching with multiple viewers

S10
S11

Blades are available in sizes Mac 1 - Mac 5 as well as Miller 00 - Miller 1. Shaped similarly to traditional Macintosh blades

One-click button suitably placed on the ergonomic handle for photography and video recording

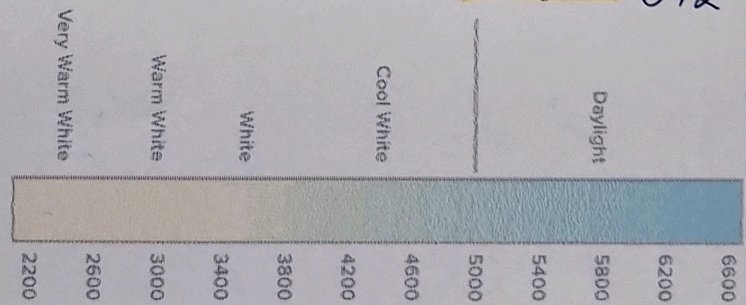
Anti-fog camera lens built into the reusable blade



The reusable blade simply hooks and clips onto the Optima View system

The 2.0 megapixel, high resolution camera built into the blade, features a 50°-60° lens angle

5000K LED light S12



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PRODUCT SPECIFICATION

Display

3.75" screen size

LCD monitor

800 x 480 RGB resolution ratio

4:3 aspect ratio

30 FPS video refresh rate

LED illumination

160° view angle

110° tilt angle

180° rotation angle

Data output

Create & store files

Internal memory

7.5GB internal storage

Image output

USB interface to PC

Micro HDMI output

Laryngoscope blade camera

2.0 megapixels resolution ratio

>800LUX illuminance

Video/image capture button on handle

Includes

USB power adapter

USB charging cable

HDMI Cable

Hard case

Handle

Video/image capture function

Comfortable ergonomic short handle design

Battery

Rechargeable lithium battery

≥180 minutes on a full charge

3.7 volts

3200 mAh capacity

4-6 hours charging time

Guarantee

Guarantee - 1 year for video device and blades

PRODUCT RANGE

Optima View video laryngoscope handle for use with reusable blades

4000.300.50

Optima View video laryngoscope handle and LCD display 3.75" for reusable blades

Reusable Mac blades for use with Optima View

4500.150.10

Optima View Video Reusable Lary Mac 1 Blade

4500.150.15

Optima View Video Reusable Lary Mac 2 Blade

4500.150.20

Optima View Video Reusable Lary Mac 3 Blade

4500.150.25

Optima View Video Reusable Lary Mac 4 Blade

4500.150.30

Optima View Video Reusable Lary Mac 5 Blade

Reusable Miller blades for use with Optima View

4500.185.03

Optima View Video Reusable Lary Miller 00 Blade

4500.185.05

Optima View Video Reusable Lary Miller 0 Blade

4500.185.10

Optima View Video Reusable Lary Miller 1 Blade

Classification: TIMESCO products are classified under the Harmonised Tariff: 90-1890-8400

SINGLE-USE OPTIMA VIEW VIDEO LARYNGOSCOPE AND BLADES ALSO AVAILABLE

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INSTRUMENTS FOR LIFE

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1 Overview

1.1 Product Information

S4 The Timesco Optima View Reusable Blade Video Laryngoscope consists of a reusable video laryngoscope handle which is utilised with compatible reusable blades to illuminate and visualise the airway to aid in intubations. The video laryngoscope handle incorporates a colour LCD screen which displays the view from the top of the blade curvature where an LED and camera is housed. The design intent of the Optima View video laryngoscope and reusable blades is to leverage established rigid laryngoscopy techniques with an optimal view of the airways to enable efficient intubations.

1.2 Intended Purpose

S2 Timesco video laryngoscopes are intended for use by qualified professionals to obtain a clear, unobstructed view of the airway and vocal cords for medical procedures.

1.3 Indications

S1 Timesco video laryngoscopes are intended to aid in medical procedures such as intubations, which are typically pre-surgical or pre-treatment procedures. The device is indicated to lift the epiglottis to expose the glottis, enabling tracheal intubation or oral examination.

1.4 Contraindications

- The video laryngoscope is contraindicated for uses outside of the stated intended use and indications.
- The device is contraindicated for use with non-compatible blades or accessories.
- The device is contraindicated in environments where an electromagnetic field would adversely affect the performance of the device or other devices.

1.5 Specifications & Performance Characteristics

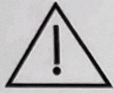
Table 1 Specifications & Performance Characteristics

General		Technical	
Size	233mm x 101mm x 135mm	Display	3.75" LCD Colour Display S8
Weight	290g	Camera Resolution	2.0M Pixels S7
Handle Material	Medical Grade Thermoplastic & Steel Alloy ¹	Screen Rotation	180° (left/right), 120° (up/down) S10, S11
Blade Protection Rating	IPX8	Lens Angle	50°-60°
		Illuminance	≥800 LUX
		Operating Time	≥180 minutes ² S14
Blade Material	Medical Grade Steel Alloy ¹	Storage Capacity	~10hrs video or 70k+ photos

¹ Devices not manufactured using latex.

² Typical operating time in optimal conditions, battery life may vary during use.

1.7 Product Listing & Compatible Accessories



Do not use any other accessories or blades which are not listed here with the Optima View Video Laryngoscope. **Only use the specified compatible accessories.** 522

The Timesco Optima View Reusable Blade Video Laryngoscope is intended to be used only with the following accessories. The video laryngoscope, blades, charger and cables are provided non-sterile.

Table 3 Product & Compatible Accessories Listing

Video Laryngoscope	
4000.300.50	Optima View Video Laryngoscope Handle and LCD Display 3.75" For Reusable Blades
Cables & Charger	
4000.900.10	Optima View HDMI Cable
4000.900.11	Optima View USB Cable
4000.900.12	515 Optima View 5V/2A Adapter
Blades	
4500.150.10	Optima View Video Laryngoscope Macintosh Blade 1
4500.150.15	Optima View Video Laryngoscope Macintosh Blade 2
4500.150.20	Optima View Video Laryngoscope Macintosh Blade 3
4500.150.25	Optima View Video Laryngoscope Macintosh Blade 4
4500.150.30	Optima View Video Laryngoscope Macintosh Blade 5
4500.185.03	Optima View Video Laryngoscope Miller Blade 00
4500.185.05	Optima View Video Laryngoscope Miller Blade 0
4500.185.10	Optima View Video Laryngoscope Miller Blade 1

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1.8 Warnings & Cautions

Throughout the manual, pay attention to sections labelled with the caution symbol for safe and efficacious use of the device.

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Blade Attachment

Attach the reusable blade onto the video laryngoscope by hooking it onto the handle, then securely engaging the blade.

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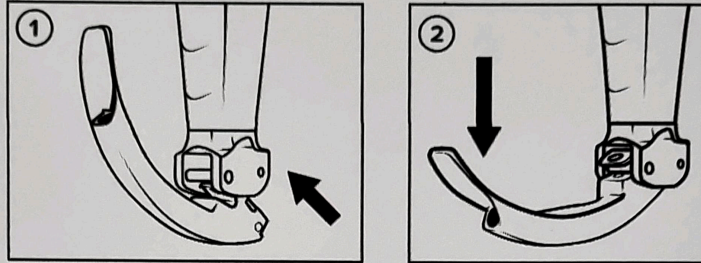


Figure 2 Blade attachment & check of secure fitting.

Blade Removal

To remove the blade, disengage the blade and unhook the blade from the handle. Prepare the blade and handle for reprocessing in a timely manner.

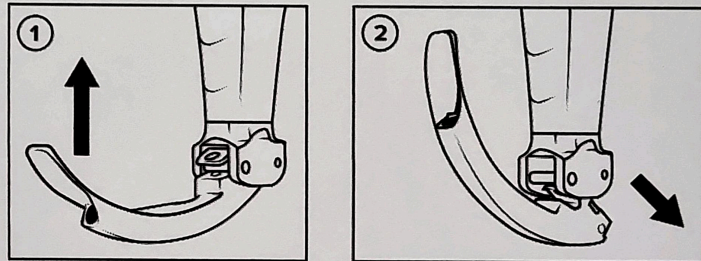


Figure 3 Blade removal.

2.3 Device Functions

Device Interface

The device interface shows a status of the battery percentage as well as the time and date on the bottom of the screen. When the battery level reaches 20% and 10%, warnings will appear on the screen to inform the user of the battery status.

Button Functions

The table below outlines the button functions for the Optima View Video Laryngoscope.

Table 4 Button Functions

Button Marking	Function(s)
	Turn On / Off
	<ul style="list-style-type: none"> • Open Menu • When in the menu: Select • When viewing image/video playback: Play
	Navigate Up
	<ul style="list-style-type: none"> • Navigate Down • Re-format (long Press)
	<ul style="list-style-type: none"> • Capture Image • Start / End Video (Long Press) • When in the menu: Return • When viewing image/video playback: Delete (Long Press)

3 Reprocessing & Storage

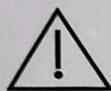
3.1 Cleaning



Only healthcare professionals trained in reprocessing medical equipment may reprocess this device. Reprocess the device in accordance with Timesco instructions.



Ensure the device is powered off and disconnected from the charging cable prior to cleaning and disinfection.



Do not immerse the video laryngoscope handle into any liquid. Take care not to allow any ingress of liquid into the device, especially in relation to open ports and device joints.



Do not use any abrasive material such as steel wool, xylene or acetone solvents to clean the device.

Video Laryngoscope Handle

S 5 { **Disinfect the video laryngoscope with new 75% alcohol wipes.** Ensure that the wipe is in contact with all the device surfaces and a minimum contact time of 1 minute.

Blades

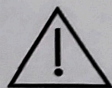
Clean the video laryngoscope with 75% alcohol wipes. Repeat the cleaning process until all soiling is removed. Rinse the blade with deionised water for 2 minutes and wipe dry.

S 18 { **Soak the blade in the enzymatic cleaning detergent in accordance with the detergent manufacturer's specification. Wipe the blade at least 5 times and then clean the blade in an ultrasonic cleaner in the enzymatic detergent for 5-10 minutes.**

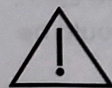
This process has been validated using Metrex EmPower (Concentration 1: 128) at a temperature of 20-40°C, with soaking time of at least 1 minute.

Flush the blade under high-pressure water for 10 seconds and wipe the blade dry with sterile gauze.

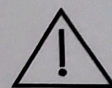
3.2 Disinfection



Do not disinfect under high temperature and high pressure.



Do not disinfect with high concentration organic acid or non-organic acid.



Do not use any chemical substance containing chloral formamide, phenol derivative or anionic surfactant for disinfection.



The device surface may change colour if it is cleaned by a disinfectant containing acetaldehyde and amine.

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