PRODUCT DESCRIPTION

The **i-tec SOLOMON 500** is designed for users who demand more than just high resolution. In addition to 4K image quality and excellent color reproduction, it features **PDAF (Phase Detection Auto Focus)** for fast, precise, and stable focusing without visible hunting. PDAF ensures sharp images even when the user moves or changes distance from the camera. Combined with dual integrated microphones, SOLOMON 500 delivers a professional audiovisual experience ideal for **presentations, online training, and high-quality video conferencing**.

AUTOMATIC IMAGE OPTIMIZATION

- **Phase Detection Autofocus (PDAF)** delivers fast and precise focusing by calculating subject distance directly on the image sensor. It eliminates focus hunting and keeps the subject sharp even during movement, ensuring a stable, professional image.
- **Automatic Exposure (AE)** automatically adapts brightness and contrast to changing lighting conditions, keeping the subject clearly visible without overexposed highlights or dark shadows, all without manual adjustment.
- **Automatic White Balance (AWB)** automatically adapts color temperature to different lighting conditions, keeping whites neutral and skin tones natural for consistent, accurate color reproduction without manual adjustment.
- **Automatic Black Level Control (ABLC)** dynamically adjusts black levels to preserve shadow detail and contrast, preventing crushed shadows or washed-out blacks for a deeper, more balanced image.

PRODUCT FEATURES

VIDEO

- **Sensor type:** CMOS (1/2.5")
- **Total pixel count:** 8.29MP
- **Supported resolutions:**
  - 3840 × 2160 @ 30 fps
  - 2560 × 1440 @ 30 fps
  - 1920 × 1080 @ 60 fps

- **Field of view:** 81°
- **Focus type:** Autofocus
- **Image features:**
  - Phase Detection Autofocus (PDAF) - Fast, precise autofocus without focus hunting, even during movement.
  - Automatic Exposure (AE) - Automatically balances brightness and contrast for consistently clear images.
  - Automatic White Balance (AWB) - Ensures natural colors and accurate skin tones in any lighting.
  - Automatic Black Level Calibration (ABLC) - Preserves shadow detail and contrast for deeper, balanced images.

AUDIO

- **Microphone:** 2x integrated microphones
- **Pickup range:** up to 3 m

MOUNTING & CAMERA MOVEMENT

- Universal mounting clip with rubber pads and 1/4" tripod thread (Tripod not included)
- Horizontal and vertical rotation via adjustable joint

CONNECTIVITY

- **Cable:** USB-C to USB-A cable (150 cm), with USB-A/C adapter
- **Plug & Play**
- **Input voltage:** 5V

- **Size:** 107 x 52,2 x 49,5 mm
- **Weight:** 106 g

SYSTEM REQUIREMENTS Hardware Requirements

- Device with a free USB-A, USB-C, USB4, or Thunderbolt™ 3/4/5 port

Supported Operating Systems:

- Windows 10 / 11, macOS, Android, iPadOS, ChromeOS, Linux

SPECIFICATION

PART NUMBER	PRODUCT DESCRIPTION & EAN
CAMSOLOMON4K500	i-tec SOLOMON 500 4K PDAF Webcam EAN: 8595611707902
Hardware	
Bus type	Thunderbolt-3, Thunderbolt-4, Thunderbolt-5, USB-C, USB-3.0, USB4
System Requirements	
Operating system	Windows 10/11 macOS X Android Linux Chrome OS R51 or laterWindows 10 - Automatic installation of OS drivers. Other operating systems - manual driver installation. Firmware updates automatically.
Other features	
Product Dimensions	107 x 52,2 x 49,5 mm
Product Weight	106 g
Support	
Warranty period	2 years
Technical support	Lifetime
Package contents	

- Webcam
- User manual
- USB-C to USB-A cable (150 cm)
- USB-A / USB-C adapter

For further information regarding setup or for answers to FAQ's, please visit our website i–tec.pro. Specifications are subject to change without notice.

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