

Helios XYZ 25 MP Imaging Colorimeter

The Helios XYZ is an advanced 2D imaging colorimeter that combines highly accurate XYZ filters with virtually flat response OD filters to achieve highest accuracy and exceptional dynamic range. Designed for display measurement, this imaging colorimeter delivers high-speed performance and outstanding uniform MTF for precise and reliable measurements. Consistent with Admesy's reputation, the Helios XYZ is very user friendly in operation and easy to integrate into existing setups and measurement systems.

Highlights

Highly accurate and uniform XYZ filters, in-house made

High-speed measurements with unmatched color accuracy and MTF uniformity

Chromaticity accuracy of ± 0.002

Unparalleled repeatability

One lens for large working range and display sizes

Fixed aperture f/2.4 for low luminance measurement

In-house designed image space telecentric lens system with automated focus control for wide range of working distances



Speed meets accuracy



The Helios XYZ 2D imaging colorimeter is designed for a wide range of display measurement applications while remaining easy to operate for every user. Its large field of view (FOV) covers a broad range of display sizes using a single, in-house designed lens. This unique optical design provides a highly uniform MTF across the entire image, combined with in-house coated, high uniform XYZ filters to ensure outstanding optical performance and accuracy. To further simplify operation, the Helios XYZ features automated electronic focus control.

As expected from Admesy's instruments, the Helios XYZ is built for continuous 24/7 operation and is designed for straightforward integration into laboratory setups as well as automated production environments.

With its unique combination of wide coverage, high accuracy, and user-friendly handling and integration, the Helios XYZ sets a new standard for efficient and reliable display measurement and characterization.

Specifications

Model	Helios XYZ 25 MP Imaging Colorimeter
Lense and aperture	35 mm with fixed aperture f/2.4
Focus	Electronically controlled
Luminance range	0.02 cd/m ² ~ 20,000 cd/m ²
Luminance accuracy	± 2%
Chromaticity accuracy	± 0.002
FOV	± 15.5° diagonal
Working range	300 mm - 3 m
Dynamic range	70 dB

Download the brochures with detailed specifications from admesy.com/downloads

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