



TECHNICAL DATA

SELVISION SWIR CAMERA

The SelVision SWIR camera offers top-tier performance for tracking mild to high temperatures on metal surfaces, with a measurement range of 175°C to 1100°C. With its 1.3 MP resolution and a frame rate up to 80 fps, it ensures precise and high-quality temperature monitoring, excellent for the metal tempering process.

Highlights

Precision and Flexibility

With a high resolution and adjustable frame rate, it provides accurate temperature measurements and high-quality recordings.

Compliance

Meets the stringent requirements of the 4th edition of the CQI-9 standard for heat treatment systems.

Interface

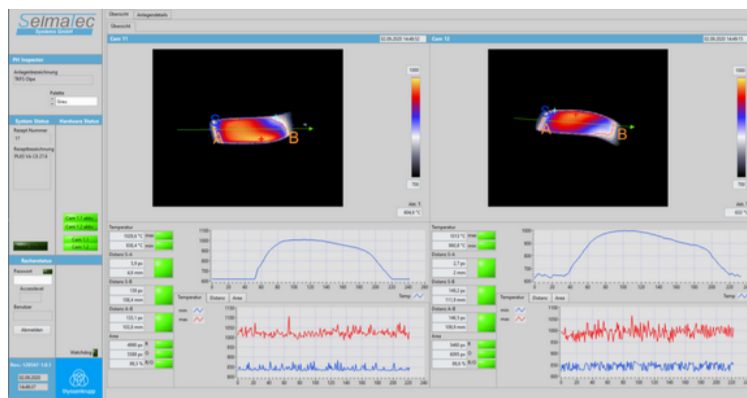
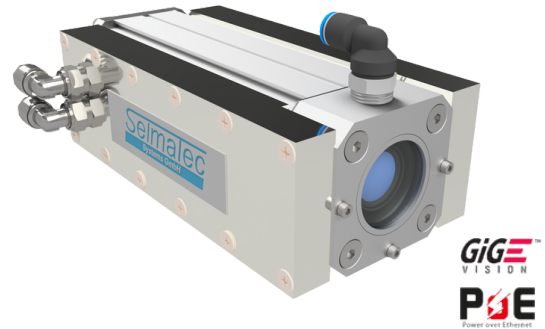
Streamline your setup with GigE and Power over Ethernet, offering seamless integration into the system.

Air Purge System

The camera is equipped with an integrated air purge system, ensuring the lens remains clean and clear in dusty or smoky environments.

Housing

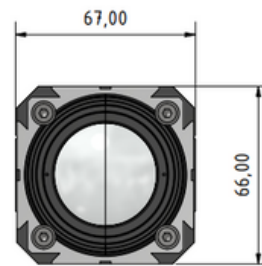
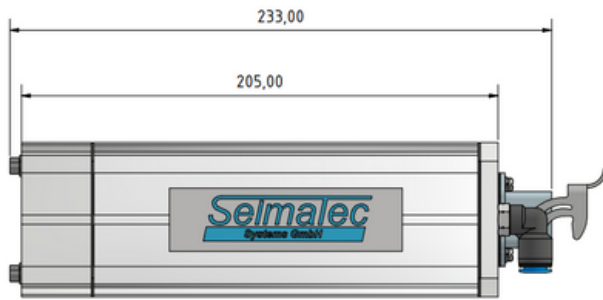
The SelVision SWIR camera is available with specialized housing, making it ideal for use in any harsh environment. This added protection ensures the camera's reliable performance even in the most demanding conditions, extending its versatility and durability in various industrial applications.



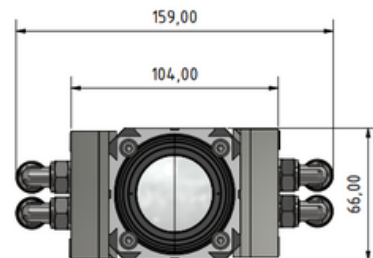
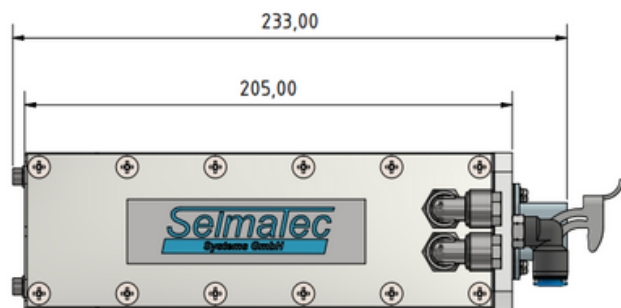
MEASUREMENT SPECIFICATION

General Specifications	
Resolution (H x V)	1,3MP= 1280x1024 px/3,2MP=2048x2048px/5,3MP= 2560x2048px
Frame Rate (at default settings)	up to 80 fps
Image Data Interface	Fast Ethernet (100Mbit/s) & Gigabit Ethernet (1000Mbit/s)
Size (LxWxH)	42 mm x 29 mm x 29 mm (without lens mount or connectors)
Size (LxWxH)	60,3 mm x 29 mm x 29 mm (with lens mount and connectors)
Conformity	CE (RoHS inkludiert, UL, FCC, GenICam, GigE Vision, IP30, IEEE 802.3af (PoE), REACH, KC
Spectral range	0,9 - 1,6 μ m
Temperature measuring range	175-1100°C
Power Requirements	PoE 802.3af compliant / 12 VDC via I/O Connector: = 3,1 W using PoE / = 2,6W @ 12 VDC using I/O Connector
Measurement accuracy	$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of the measured value
Temperature and Humidity	
Housing temperature during operation	0-50°C (32-122°F)
Humidity during operation	20-80%
Storage temperature	-20 - 80°C (-4 - 176°F)
Storage humidity	20-80%
Housing temperature according to UL 60950-1	max. 70°C (158°F)
Ambient temperature according to UL 60950-1:	max. 30°C (86°F)
Stress Test Results	
Shock (each axis)	DIN EN 60068-2-27 20 g / 11 ms / 100 shocks positive 20 g / 11ms / 100 shocks negative
Sine (each axis)	DIN EN 60068-2-6 = 10-58 Hz / 1.5 mm_58-500 Hz / 20 g_1 Octave/Minute 10 repetitions

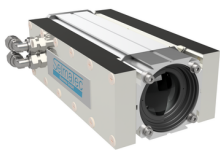
SWIR Camera Housing Dimensions



SWIR Camera Housing Dimensions with Watercooling



Accessories



Camera Housing with
watercooling



Adjustable
Mounting



Mounting with quick
Exchange Device