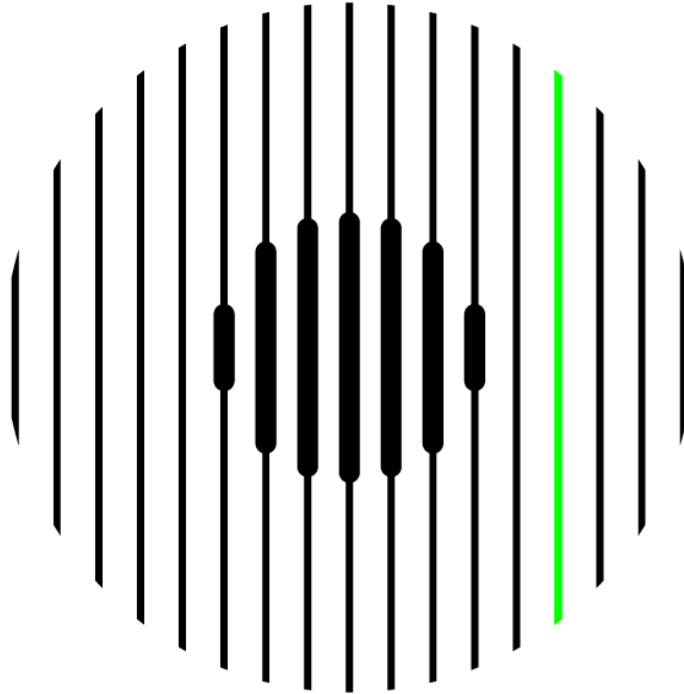


SentispecTM



Data
visionaries

Inventory Recording Unit Data Sheet

Specifications

Camera	
Image Sensor	1.2" CMOS
Max. Resolution	4480(H) × 4496(V)
Pixel Size	2.74 × 2.74 μm
Shutter Type	Global Shutter
Dynamic range	69.8 dB
Signal-to-noise ratio	39.6 dB
Shutter Speed	0.001 - 60000 ms
Colour mode	Monochrome
Framerate	6 frames / second
Data rate	3 GB / minute
Camera Lens	
Operation of iris	Manual
Operation of focus	Manual
Lens Mount	C-Mount
Focal Length	8 mm / 12 mm
Max. Aperture	F1.8 - F16
Field of View	1.5 m x 1.5 m - default configuration
Angle of view	62.5° × 47.8° (1.1")
Focus Distance	1.5 m +/- 0.2 m - default configuration
Recording unit capabilities	
Network interface	RJ-45 Gigabit

Network Protocol	IPv4; HTTP; TCP; SSH
Monitor	7" Touch screen
Peripheral ports	2 x USB 3.0 Type A port 1 x Gigabit ethernet 1 x Mini DisplayPort
Visual FoV indication	2 x Class 1 lasers
Memory	32 GB of RAM
Processor	8-core i7 PC
Storage	2 TB of SSD storage
Cooling	Forced air / fan cooling
Operating time	8 hours

Environmental	
Operating Temperature	-20 °C to 40 °C (-4 °F to 104 °F)
Operating Humidity	≤80%
Storage Temperature	0 °C to 40 °C (32 °F to 104 °F)
General	
Input Voltage Range	90 - 305 VAC
Input Current	8 A 115 VAC; 4.2 A 230 VAC
Battery Capacity	200 Ah
Battery Type	Lead-Acid (Gel battery)
Charging time	Max 6 hours
Product Dimensions	730 mm (height) x 550 mm (width) x 750 mm (length)
Net Weight	104 kg (229 lb)

Gross Weight	120 kg (265 lb)
Sentispec Platform parameters	
Data storage	Local on premise
Runtime environment	Docker under Ubuntu Linux
Encryption	SSL
Transmission protocol	HTTPS
GPU support	NVIDIA CUDA supported graphics cards
Network	Ethernet
Sampling rate	6 frames / second
Average data storage per recording	3 GB / minute
Dynamic Brightness Control	Eliminates challenges on varying lighting conditions for warehouses