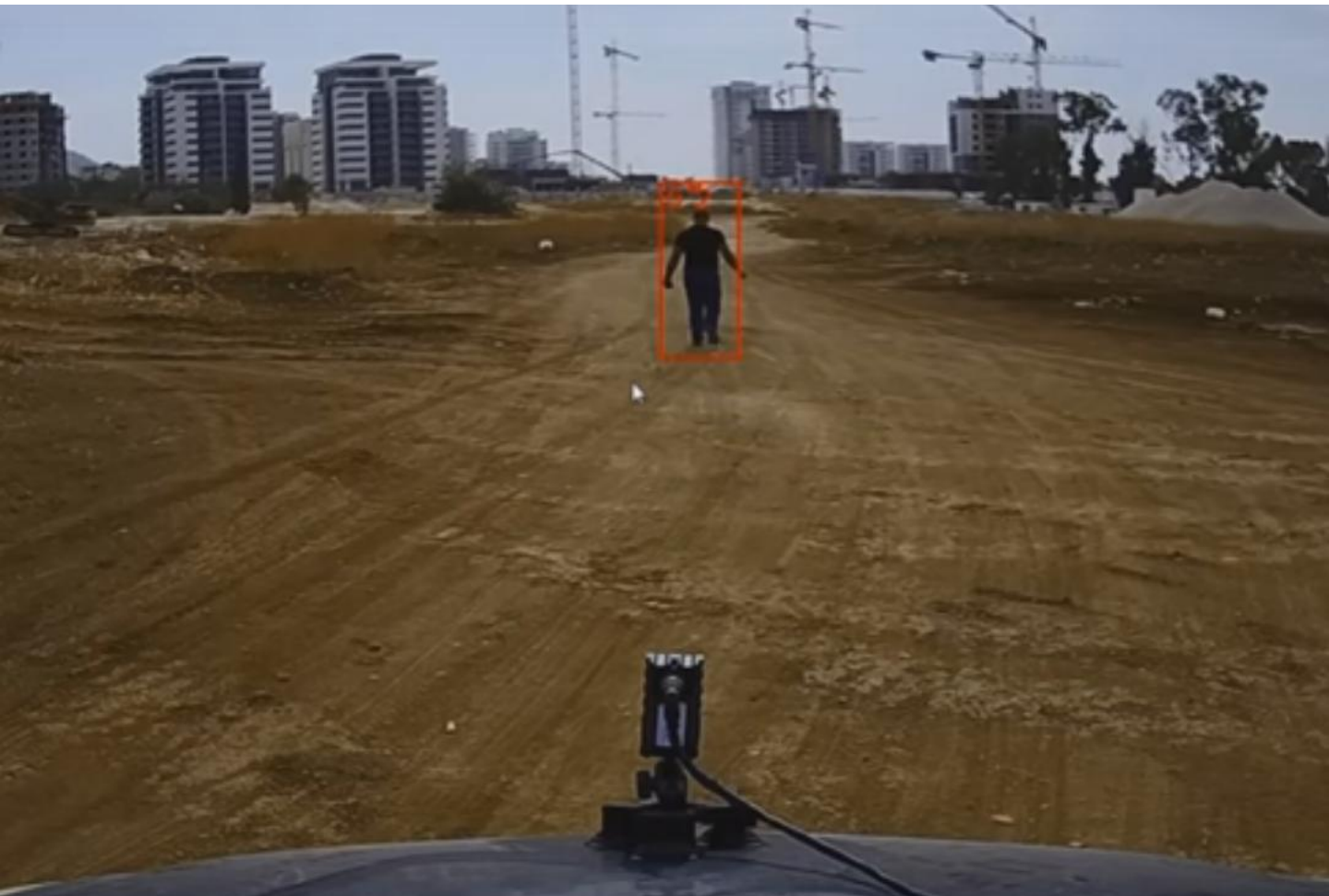


# DAY SERIES

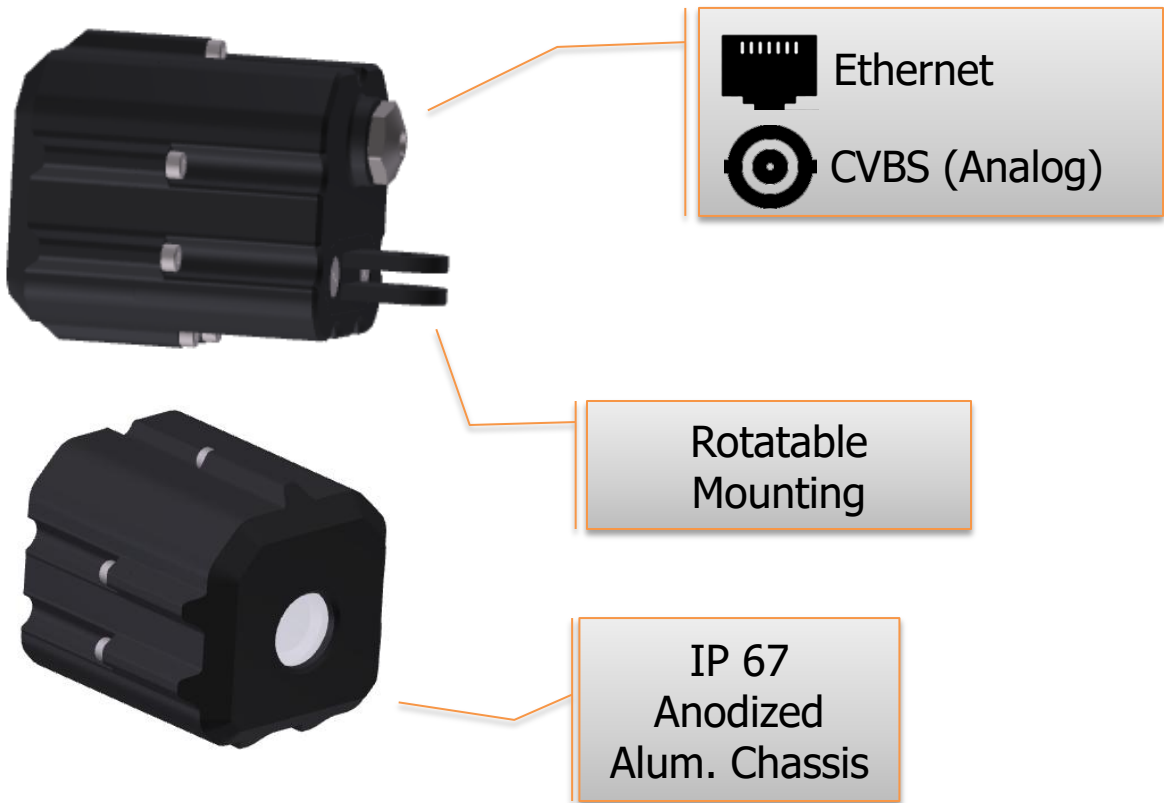
MICRO RUGGED DAY & NIGHT ETHERNET FHD SENSOR



# DAY SERIES

## MICRO RUGGED DAY & NIGHT ETHERNET FHD SENSOR

This ruggedized micro sensor was created for superior day and night vision. Its versatile design allows integration of a variety of lens sizes and cable lengths to meet diverse mission needs. The sensor is all-weather robust, light weight and unobtrusive. It is easily connectable with a range of Ethernet devices (4G / Wifi / RF).



**ROBOTICS**



**PERIMETER**



**DVE**



**VMD**



**SECURITY**

# DAY SERIES

## MICRO RUGGED DAY & NIGHT ETHERNET FHD SENSOR

Imaging Sensor	1/2.8" Sony Progressive Scan CMOS
Min. Illumination	Color: 0.05Lux @ F1.4 B/W: 0.02Lux @ F1.4, 0Lux with IR
Auto Iris	Standard DC-iris interface, compatible with ODM P-iris
Day & Night Mode	Auto/ Timing/Manual/Alarm Trigger
WDR	Supported
DNR	3D-MCTF Digital Noise Reduction
Electronic Shutter Speed	1/10000s to 1/25s
Video Compression	H.264 / MJPEG
H.264 Encoding level	H.264 BP/MP/HP
Output Bit Rate	32 Kbps ~ 8Mbps, Smart-AVC 600Kbps @1080p30
Audio Compression Std.	G.711 / AAC / MP2
Audio Compression Bit Rate	G.711(64Kbps) / MP2(16kHz 16bit 32kbps)
Max.Resolution	1920x1080 pixels
Frame Rate	25/30fps
Multi Stream	FULL HD + Full D1 + CVBS
Image Settings	Image format , bit rate, brightness, contrast , saturation, sharpness, white balance Multi-zone intelligent OSD Image rotation, flip & mirror Day/Night mode ( Auto/ Manual/Schedule ) 3D-MCTFdigital noise reduction Latitude & Longitude image mode
BLC	On/Off
Exposure Patterns	Dark area, center, average, designated area
Dynamic ROI	Fixed / dynamic
Offline Storage	SDHC, SDXC and TF card extensions via external extension interface
Alarms	Motion, boundary violation, regional intrusion, left objects, lens tampering
Supported Protocols	IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP/RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP
Compatible Protocols	ONVIF, GB/T 28181
API Integration	SDK, HD Live APP, NVR, on Control CMS video management center

# xEYE-FHD

## TECHNICAL SPECIFICATIONS

Video Output	1.1Vp-p±10% composite video output (RL=75Ω)
Audio Interface	(Line In/Out), Vin MAX≤4Vp-p, Vout MAX≤2Vp-p
Communication Interface	1*RJ45 10M/100M auto-adaption Ethernet port (optional PoE), integration of 8KV anti-static, anti-thunder protection) 1*RS-485 interface
Alarm Input	1CH, low level valid, Vin≤0.3V
Alarm Output	1CH, level signal Vout= +12V, IMAX=5mA (default low level 0V)
LCR Interface	Vout=5V, 500mA>Iout>100mA
IR Synchronization	IR LED control signal input, high level valid, 0.7V<Vin<20V
Power Consumption	<2.1W MAX
Voltage	12V DC±10%, support PoE power supply
ICR	*-ICR: IR-Cut dual optical filter switching mechanism, without lens mount (suitable for bullet cameras) *-ICR/M12: IR-Cut with M12 lens mount *-ICR/CS: IR-Cut with CS lens mount *Default without IR-Cut
IR Control	Default standard passive IR light synchronization interface -ADC: Active IR light control, through ADC sampling and directly read photosensitive sensor signal.
Lens Iris Interface	* Default standard DC-iris interface, DC drive auto iris *-PIRIS: customized P-iris lens

# DAY SERIES

## MICRO RUGGED DAY & NIGHT ETHERNET FHD SENSOR

Due to Nitrogen pressurization, the camera is resistant towards challenging environmental conditions, such as water damage, failure of electrical, mechanical, and optical components.

### **Reliability of Performance.**

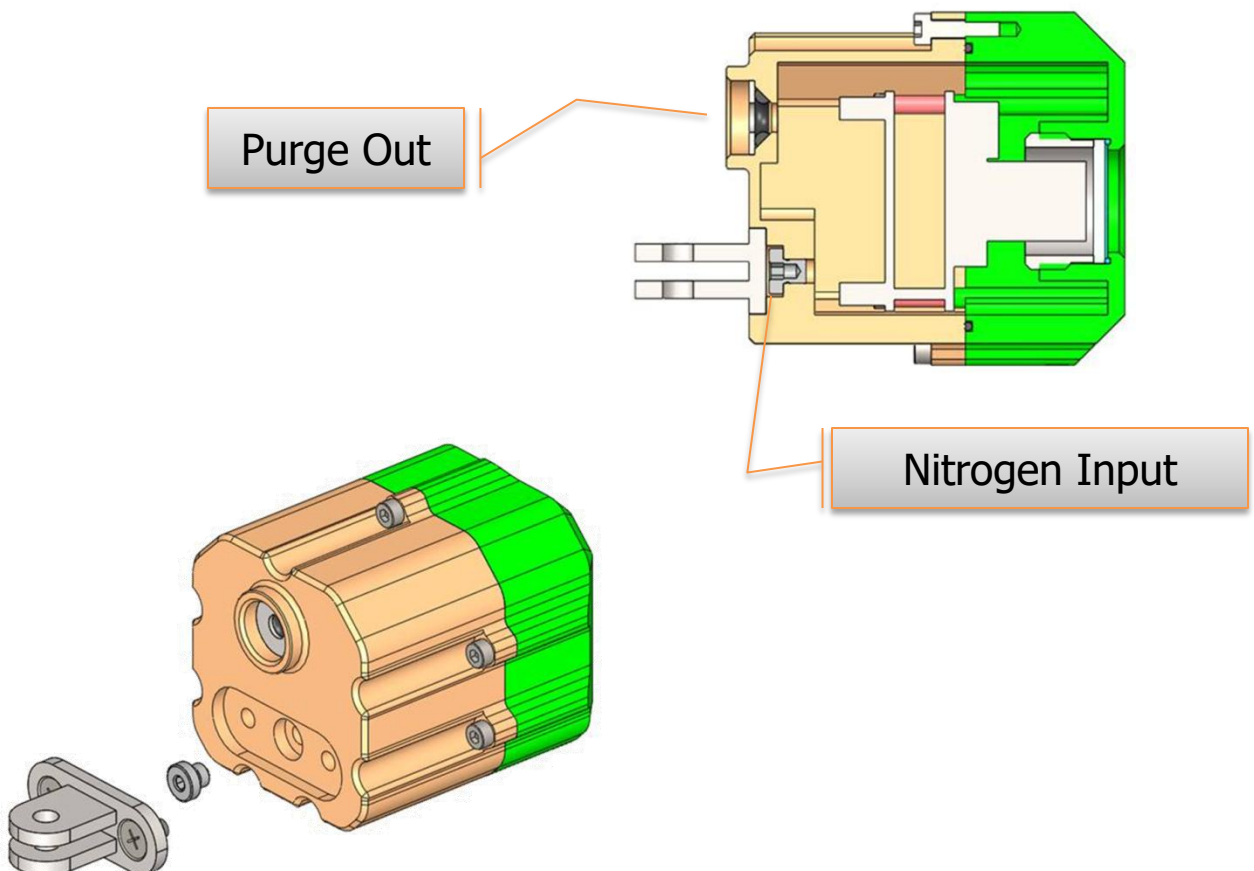
Sealing and pressurization ensure that electrical, mechanical, and optical components remain free from contaminants.

### **Controlled Environment For Optics and Lens.**

A sealed and pressurized enclosure prevents condensation on the lens and interior of the housing faceplate.

### **Corrosion Protection**

No interior corrosion of circuit boards, solder joints, wiring, or metal parts.



# DAY SERIES

## MICRO RUGGED DAY & NIGHT ETHERNET FHD SENSOR

