



Advanced Night Vision Performance

- ASI uncooled micro bolometer technology
- 384 x 288 and 640 x 480 resolution, 17um FPA options
- Superior thermal sensitivity of 40 mK
- Flexible lens options to suite application and budget requirements
- Long range detection out to 4km

Superior Daytime Imaging

- Visible spectrum daytime color camera available on 3492-2x00 models
- HD 1280 x 720 image quality
- Autofocus, wide view optics
- Supports daytime thermal imaging for improved situational awareness

Rugged Construction

- Wide operating temperature range, -40°C to 75°C, per Nema TS-2 Test Profile figure 2.1
- Durable IP66 ingress protection
- 2 year standard warranty

Installation and Interoperability

- ONVIF Profile S
- H.264 Base/Main/High profiles and MJPEG encoding
- Web server configuration, operation and viewing
- Single CAT5e/CAT6 cable with PoE+
- Wall, pole mounting options

Embedded Analytics

- Real-time scene analysis
- User defined region of interest
- Fence line filters
- Object direction filters
- Learning tagrets capabilities

CostarHD 3490HD series is a state of the art observation system, boasting an incredibly easy installation with day and night capabilities and a dedicated software development kit for full seamless third party integration.

The 3490HD series of cameras is a broad portfolio of high performance outdoor rated cameras for 24/7 perimeter surveillance, observation, and monitoring of critical infrastructure and sensitive sites.

Equipped with thermal and visible-light channels for day and night surveillance, the 3490HD series meets global ONVIF standards to ensure interoperability of hardware and software products for easy integration to both existing and new infrastructures, regardless of manufacturer.

The 3490HD series is designed for supporting embedded video analytics, enabling enhanced security and surveillance solutions by providing all in one camera.

Activating the analytics functionality provides real time alerts based on user defined rules.

The 3490HD series Video Analytics is accurate and is capable of monitoring and analyzing human, vehicle or a pre-learned object per view.

The 3490HD series of cameras are ruggedly designed to withstand the harshest weather and environmental conditions, including rain, direct sunlight, high humidity, dust, heat, and cold.

CostarHD delivers years of clean, reliable images and backs it with a world class two-year warranty.



youtube.com/CostarHD
linkedin.com/company/CostarHD
twitter.com/CostarHD
facebook.com/CostarHD
CostarHD.com

3490HD Series

H.264 Dual Channel Night-Vision Camera



NIGHT-VISION THERMAL CAMERA

Detector	Asi Uncooled Microbolometer
Pixel Size	17µm
Spectral Band	7.5 - 14 µm
Sensitivity (NEΔT)	40 mK
Image Resolution	640 x 480 (VGA) or 384 x 288 model dependent
Pallettes	Black hot, white hot, 3 color palettes
Frame Rate	25Hz or 9Hz
Properties	Polarity, NUC, Image Flip, Image Rotation & Digital Zoom

IP STREAM

Video Streams	2
Video Codec	H.264, MJPEG
Video Protocols	RTSP Unicast, Multicast
Video Resolution	
- Visible Camera	1280 x 720, 640 x 480
- Thermal Camera	640 x 480 or 384 x 288

detection is 6x4 (HxW) pixels

ELECTRICAL

Input Voltage	PoE+ or 12-32Vdc
Power	Up to 25.5w
Transient/Surge Emmissions	Certified to CISPR 24 levels Certified to CISPR 22 levels

MECHANICAL

Weight	6.94 lbs (3.2 kg)
Dimensions	7.95" (L) x 5.32" (W) x 6.65" (H) 202mm (L) x 135mm (W) x 169mm (H)

THERMAL OPTICS OPTIONS

Options	8.5mm, 14mm, 19mm, 25mm, 35mm, 50mm, 60mm
Lens Type	Athermalized, Hard Carbon
Focus Type	Factory set to Infinity

ANALOG INTERFACE

Format	NTSC or PAL
--------	-------------

DIGITAL I/O INTERFACE

Digital Circuits	One input, dry contact
------------------	------------------------

ENVIRONMENTAL

Ingress Protection	IP66
Operating Temp	-40°C to 75°C Per Nema TS-2 Test Profile figure 2.1

EMC CERTIFICATIONS

CE, FCC Class A Part 15B

DAY-TIME VISIBLE CAMERA*

Sensor	1/4" CMOS
Resolution	1280 x 720 (HD)
S/N Ratio	>36 db
Lens	3.5mm fixed focal
Aperture	f1.4
AFOV	54° x 41°
Focus	Auto

ANALYTICS

Analysis	On board based on the raw video data.
Learning	Self-scene
Configuration	Real-time scene analysis and alarms based on user definable parameters
Region of Interest	Up to 15 per scene
Fences	Up to 15 per scene
Direction	Entrance/detection can be defined by the operator
Learning targets	Human, vehicle, other object
Object Size	Minimum target size for

ACCESSORIES

Mounts	
Wall	892013
Pole Adapter	892037 (requires 892013)
Power Supplies	
7412007-003	110/220vac IP50, -34 to 74C, PoE+

* Available on 3492-2x00 Models Only

WARRANTY

Two (2) years. Details available at;
www.costarhd.com/Support/Warranty

3940HD Models			Maximum Range Values in Meters					
			Human			Vehicle		
Ordering Model	Lens Option	HAFOV	ID	REC	DET	ID	REC	DET
3492-1100	8.5mm	43.5 ⁰	42	83	250	96	192	575
3492-1200	14mm	25.7 ⁰	69	137	412	158	316	947
3492-1300	19mm	19.3 ⁰	92	186	559	214	428	1,285
3492-1400	25mm	14.8 ⁰	123	245	735	282	564	1,591
3492-1500	35mm	10.6 ⁰	172	343	1,029	396	789	2,368
3492-1600	50mm	7.5 ⁰	245	490	1,471	564	1,127	3,382
3492-1700	60mm	6.2 ⁰	294	588	1,765	676	1,353	4,059
3492-2100	8.5mm	73.2 ⁰	42	83	250	96	192	575
3492-2200	14mm	42.1 ⁰	69	137	412	158	316	947
3492-2300	19mm	33.2 ⁰	93	186	559	214	428	1,285
3492-2400	25mm	24.2 ⁰	123	245	735	282	564	1,691
3492-2500	35mm	17.6 ⁰	172	343	1,029	395	789	2,368
3492-2600	50mm	12.4 ⁰	245	490	1,471	564	1,127	3,382
3492-2700	60mm	10.3 ⁰	294	588	2,002	576	1,353	4,059

ID = 12 pixels through critical dimension
REC = 6 pixels through critical dimension
DET= 2 pixels through critical dimension

Critical Dimension of Subject Note: Ideal atmospheric and scene conditions assumed
Human = 1.8m x 0.6m
Vehicle = 2.3m x 2.3m

About CostarHD™

CostarHD is a leading manufacturer of high-definition video systems designed to satisfy the demanding performance requirements for critical infrastructure applications. CostarHD solutions integrate the latest high-definition video imaging and compression technologies into ruggedized camera products for monitoring in critical, sensitive environments.