3440HD Series Multi-Directional Dome

H.264 8MP 360⁰ Dome Surveillance System

OCTIMA

Advanced Optics

- Four independent HD CMOS sensors
- Superior 8MP 360⁰ surveillance Imaging
- Adjustable field of views over IP
- Low light Day/Night technology
- Back Light Compensation (BLC)
- Digital Noise Reduction (DNR)
- On-screen display overlays per view
- Four views, one IP address

Rugged Construction

- IP66 Ingress Protection
- Temperature range of -20C to 55C
- Three year standard warranty
- Powder coat aluminum alloy construction
- Single CAT5e Cable Installation

Installation and Interoperability

- Web server configuration, HTML5 Display and PTZ adjuctments
- 2.8x remote controlled motorized zoom
- 100⁰ pan - 90⁰ tilt adjustment range
- 2.8 - 8mm zoom range
- ONVIF Profile S support
- H.264/MPEG4 Part 10 encoding
- Standard RTSP video streaming
- SNMP Support
- Operation using PoE+ power
- Pendant, wall and pole mounting bracket options

CostarHD's 3440HD series multi-sensor, multi-megapixel and multi-direction camera platform provides an all-in-one solution for capturing wide area, multi-direction video surveillance while maximizing the field-of-view and reducing the total number of camera installations required.

The 3440HD series platform includes four (4) full HD CMOS sensors with motorized 2.8x auto focus/iris zoom lens mounted on a motorized pan/tilt protected by an IK-10 impact-resistant, IP66 environmentally-rated dome enclosure.

The CostarHD 3440HD platform delivers superior image quality and reduces overall system cost by covering large areas with fewer cameras with outstanding clarity.

Traffic intersections requiring multiple cameras can now be covered with a single 3440HD series camera.

The 3440HD's panoramic multi-sensor cameras easily capture moving objects throughout the day and night, delivering comprehensive coverage and forensic detail from a single mounting location.

The 3440HD provides four cameras with full 1080p imaging with 2.8x optical zoom, delivering full frame rate HD images over the entire zoom range for very cost effective short-range, wide area surveillance applications.

True day/night technology using a removable IR cut filter produces exceptional low light sensitivity with superior quality imaging.

The 3440HD includes a remotely controlled pan and tilt drive with 100° pan and 90° tilt range for complete installation flexibility in covering wide areas.

The 3440HD provides an integrated web server allowing administrative and configuration capabilities, while its ONVIF Profile S

support provides seamless video and control integration to popular VMS systems.

The 3440HD is designed to operate in harsh weather with its IP66 enclosure protection. This protects the system from the effects of water intrusion, pollutants and corrosives.

The CostarHD 3440HD platform delivers years of clean, reliable images and backed by a world class three-year warranty.

COSTAR HD

3440HD Series Multi-Sensor Dome
H.264 8MP 360⁰ Dome Surveillance System

COSTAR HD

CAMERA

Sensor	1/2.9" CMOS
Scanning	Progressive
Resolution	1,920 x 1,080
Frame Rate	30 fps
Camera Format	Day/Night (IR Cut Filter)
S/N Ratio	>50 db

SENSITIVITY

Standard	(f1.2, 1/30, 30 IRE)
Color	0.5 lux (0.05 fc)
B/W	0.1 lux (0.01 fc)

OPTICS

Zoom Lens	3x, 2.8 to 8mm
Aperture	f1.2 -> f4.6
HAFOV	Approx. 90° ~ 35°
Focus	Auto
Iris	Auto

IMAGE PROCESSING

Wide Dyn. Range	Yes
Back Light Comp	Yes
Noise Reduction	Yes

IP STREAM

Video Streams	8 (2 per camera)
Video Codec	H.264 [MPEG4 part 10]
Video Protocols	RTSP/RTP HTTP Tunneling
Video Resolution	1080p, 720p, D1, CIF [CIF secondary stream]
Video Frame Rate	10 to 30 fps, 30 fps default
Video Data Rate	64Kbs to 10Mbs
Video Rate Cntrl	Variable or Constant
Video Mode	Frame rate or quality priority
Video GOV	1 to 600, 30 default
Video Latency	Four frames (0.133 sec.)
Video Trans.	99.999% error free

NETWORK INTERFACE

Network Format	802.3u 100Base-T, MDI-X auto-sensing, full duplex
Network Protocol	TCP, UDP, IPv4, ICMP, IGMPv2/v3, RTP, RTSP, NTP, HTTP, SOAP, ARP, ONVIF

	Profile S, SNMP V1,2
Media Players	VLC, QuickTime or any media player compliant with RFC 2326, 3984, 3550, 2435, ISO/IEC 13818-1
ONVIF	Profile S
Camera Protocols	ONVIF
Security	2 Levels: Admin, Operator [User Name + Password], Digest Authentication
Updates	File upload over network using camera web server interface
Configurations	Stored in Non-Volatile Memory
Browsers	IE11

ON SCREEN DISPLAY (OSD)

OSD Elements	Text, Date/Time
OSD Characters	Up to 32 characters
OSD Size	Adjustable from 1 to 400
OSD Location	User defined coordinates
OSD Color	White

REMOTE CAMERA POSITIONING

Pan/Tilt Range	100°/90°
Zoom Range	90° ~ 35°
Control	Pan right/left, Tilt up/down, Zoom in/out

ELECTRICAL

Input Voltage	PoE+
Power	Up to 25.5w

MECHANICAL

Weight	13.8 lbs (6.3 kg)
Dimensions	See Diagram Below
Construction	Powder Coated aluminum
Sunshield	Included as standard
Color	Light Gray Cardinal Coating T241-GR142
Dome window	Polycarbonate
Impact Rating	IK10

ENVIRONMENTAL

Protection Rating	IP66
Operating Temp	-4°F to 131°F (-20°C to 55°C)
Relative Humidity	Operation from 0-100%

EMC CERTIFICATIONS

CE, FCC Part 15B, RoHS

ACCESSORIES

Power Supply		
	PoE+	Included with Camera System

Mounting Brackets		
	Wall	7411420-001
	Pole	8518-2

Field Cables		
	Field Cables	8194603-xxx [where xxx = 001, 005, 010, 025, 055, 100, 150, 200, 250, 300, 328] denoting cable length in feet.

WARRANTY

Three years per CohuHD standard warranty policy.

ORDERING INFORMATION

3442-1000	CohuHD 3440HD Series H.264 multi-directional dome system, includes (4) 1080p30 cameras with 2.8x zoom lens and p/t with PoE+ input power (PoE+ supply with AC power cord and IP67 coupler included)

Dimensions: 12.8" (325.12mm) width; 9.5" (241.3mm), 6.9" (175.26mm), 5.3" (134.62mm) heights
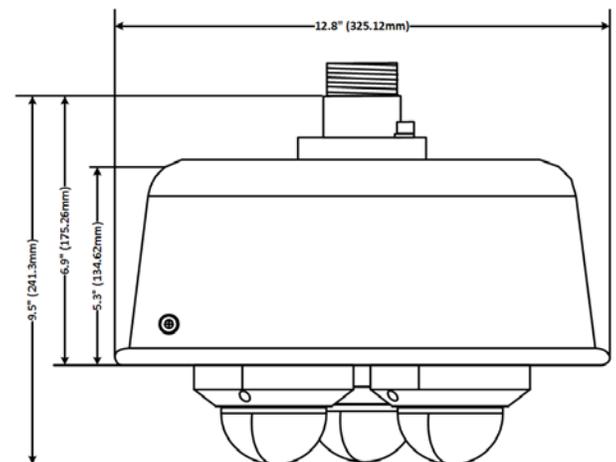
About CostarHD™

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.