

# 2020 Product Line Comparison



*High-definition video camera systems designed for the performance requirements of critical infrastructure installations*

# CohuHD PTZ Camera Comparison



Product Series		4220HD Series		4260HD Series		4290HD Series		8800HD Series	
Visible Camera	Resolution	Full HD, 1920 x 1080, 1080p60						Full HD, 1920 x 1080, 1080p30	
	Sensor	1/2.8" Exmor R CMOS						1/2.7" CMOS	
	Type	Day/Night						Day/Night	
	Sensitivity	0.00008 fc (Mono, f1.6, 1/2 Shutter, 30 IRE)						0.035 fc (Mono, f3.5, 1/8 Shutter, 30 IRE)	
	Image Defog	Auto/Manual [3 levels]						No	
	Image Adjustments	BLC, WDR, WB						BLC, WB	
Visible Camera Lens	Digital Zoom	12x						No	
	Type	Motorized Zoom						Motorized Zoom	
	Focal Length	4.3mm-129mm						16.7 - 1,000mm / 2,000mm w/2x extender	
	Magnification	30x						60x / 120x [w/2x extender]	
	Iris	Auto/Manual						Auto/Manual	
	Focus	Auto/Manual						One Shot Auto/Manual	
Thermal Camera	Horizontal Angular FoV	63.4° to 2.1°						19.7 ° to 0.17°	
	Resolution	See 4290HD or 3490HD				VGA, 640 x 480, 480i30		See 4290HD or 3490HD	
	Sensor					17um, Vox Microbolometer			
	Type					LWIR, 8-14 um			
	Sensitivity					<50mK, F1.0			
	Type					Athermalized, Hard Carbon			
Focal Lengths	25, 50, 100mm fixed, DFOV, 4x, 6x Zoom								
Thermal Camera Lens	Focus	Fixed Focus or Manual, One Shot Auto		Fixed [25° or 12°], Zoom 4.1°					
	Maximum Horiz. Angular								
	Video Codec	H.264[BP, MP, HP], H.265 [MP] MJPEG						H.264 [MP] MJPEG	
	Unique Video Streams	8						2	
IP Video	Streaming Methods	RTSP, RTSP Interleave, HTTP Tunneling, Multi-cast						RTSP, RTSP Interleave, HTTP Tunneling	
	Multi-cast	Yes							
	Pan/Tilt Range	360° continuous pan, 190° tilt		360° continuous pan, 360° tilt		360° continuous pan, 60° tilt			
Positioner	Accuracy	+/- 0.1°		+/- 0.05°		+/- 0.05°			
	Presets	256						64	
	Tours	256						8	
	Privacy Zones	24						No	
	Network	Security/Authentication	Yes						
Web Server		Edge, Firefox, Chrome (HTML5 video)						IE11	
Open Connectivity		ONVIF Profile S and T						Profile S	
Analog Interface	Composite Analog Video	Yes						No	
	Serial PTZ Control	RS422 4 wire						No	
On Screen Display	IP Video OSD	Yes							
	Analog Video OSD	Yes						No	
Event Management	Input Trigger	2						0	
	Output Trigger	2						1	
	ITS Video Analytics	Optional, ITS Statistics and Incident Detection				No		No	
Environmental	Ingress Protection	IP68 [Lifetime Warranty on Ingress]		IP68 Camera Head [Lifetime Warranty on Ingress], IP66 Positioner		IP68 Camera Head, IP67 Positioner			
	Temperature	-40° to 75°C, NEMA TS2 profile						-32° to 60°C	
	Faceplate Wiper	No		Optional		Optional [Visible Camera Only]		Optional	
	Mechanical Protection	Nema TS2 [Shock/Vib]						Nema TS2 [Shock/Vib]	
	Certifications	FCC, CE, RoHS, NEMA TS2						FCC, CE, RoHS	
Electrical	Voltage	PoE+, PoE++, 24Vac/dc		PoE++, 24Vac/dc, 120Vac		24Vdc			
	Power	Up to 25.5W or 60W		Up to 60W		Up to 250W			
Opticore Management	Compatibility	Yes						No	

# CohuHD Fixed Camera Comparison



Product Series		3430HD Series	3440HD Series	3490HD Series
Visible Camera	Resolution	Full HD, 1920 x 1080, 1080p60	(4x) Full HD, 1920 x 1080, 1080p30	HD, 1280 x 720, 720p30
	Sensor	1/2.8" CMOS	(4x) 1/2.9" CMOS	1/4" CMOS
	Type	Day/Night	(4x) Day/Night	Color
	Sensitivity	0.0002 lux (Mono, f1.6, 1/2 Shtr, 30 IRE)	(4x) 0.01 fc (Mono, f1.2, 1/30 Shtr, 30 IRE)	0.1 fc (Color, f1.4, 1/30, 30 IRE)
	Image Defog	On/Off	No	No (Use Thermal Camera Channel)
	Image Adjustments	BLC, WDR, WB, NR	Yes	Yes
	Digital Zoom	16x	No	No
Visible Camera Lens	Type	Motorized Zoom	(4x) Motorized Zoom	Fixed Focal Lens
	Focal Length	4.5 mm to 135 mm	(4x) 2.8 to 8mm	3.5mm
	Magnification	30x	3x	1x
	Iris	Auto/Manual	Auto	Auto
	Focus	Auto/Manual	Auto	Fixed
	Horizontal Angular FoV	62.9° to 2.1°	Approx. 90° to 35°	Approx. 54°
Thermal Camera	Resolution	See 3490HD	See 3490HD	640 x 512 or 384 x 288
	Sensor			17um, Vox Microbolometer
	Type			LWIR, 8-14 um
	Sensitivity			<50mK, F1.0
Thermal Camera Lens	Type	See 3490HD	See 3490HD	Athermalized, Hard Carbon
	Focal Lengths			8.5mm, 14mm, 19mm, 25mm, 35mm, 50mm, 60mm
	Focus			Fixed Focus (Focused to Infinity at Factory)
	Maximum Horiz. Angular			73° to 6.2°, Sensor Resolution and Lens Dependent
IP Video	Video Codec	H.264, H.265, MJPEG	H.264	H.264
	Unique Video Streams	3	(4x) 2 Per Camera Channel	2
	Streaming Methods	RTSP, RTSP Interleave, HTTP Tunneling	RTSP, HTTP Tunneling, Mult-Cast	RTSP
	Multi-cast	Yes	Yes	No
Positioner	Pan/Tilt Range	Fixed Position Only	100° pan, 90° tilt	Fixed Position Only
	Accuracy		Set and Forget Remote Positioning	
	Presets			
	Tours			
	Privacy Zones			
Network	Security/Authentication	Yes	Yes	Yes
	Web Server	IE11	Edge	Chrome
	Open Connectivity	ONVIF Profile S Support		
On Screen Display	IP Video OSD	Yes	Yes	No
Event Management	Input Trigger	2	No	Yes
	Output Trigger	2	No	Yes
	Video Analytics	Video Motion Detection	No	Video Motion Detection
Environmental	Ingress Protection	IP68	IP66	IP66
	Temperature	-40°F to 149°F (-40°C to 65°C)	-4°F to 131°F (-20°C to 55°C)	-40°C to 75°C Per Nema TS-2 Test Profile figure 2.1
	Faceplate Wiper	No	No	No
	Certifications	FCC, CE, RoHS	FCC, CE, RoHS	FCC, CE, RoHS
Electrical	Voltage	PoE+	PoE+	PoE+
	Power	Up to 25.5W	Up to 25.5W	Up to 25.5W



## The CohuHD Costar Difference

