

**NEW**

HATTELAND® SeaHawk Security & Surveillance

# IP CAMERAS

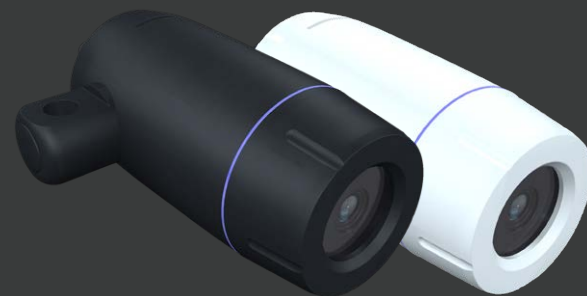
Sophisticated Solutions

1/2.8" Progressive Scan CMOS, Fixed lens\*,  
Auto DC Iris, Varifocal lens, IR cut filter,  
H265 / H264 / MJPEG, Max 30fps @  
1920 x 1080, Streaming Enabled,  
Ethernet 10/100base-T (RJ-45),  
Multi-lingual OSD, ONVIF, PSIA,  
MPEG-TS, Wisenet Wave &  
Milestone API, Ceiling &  
Wall Brackets\*

\* = selected models only

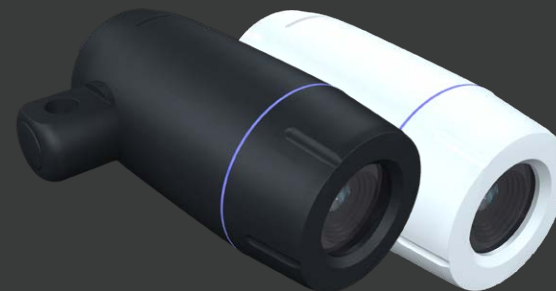
**HATTELAND® SEAHAWK**

The new HATTELAND® SeaHawk range of network enabled Security & Surveillance Cameras suitable for Security applications (person / area) and Industrial applications (process monitoring).



**HT FBVF**

Bullet Varifocal



**HT ZB2X**

ZoomBullet



**HT FDFL**

FixedDome

# SPECIFICATIONS



WALL/CEILING (MULTI) BRACKET



CEILING BRACKET



WALL BRACKET

## CAMERA TECHNOLOGY

	Image Sensor	Lens Type	Zoom	Focal length	Maximum Aperture ratio	Angle of view	Electronic shutter speed	Flip mode	Image enhancement
HT FBVF	1/2.8" Progressive Scan CMOS	Auto DC Iris, Varifocal lens, IR cut filter	2.5X (non-motorized zoom)	f=2.8 ~ 12mm	F1.4	Wide: H: 103°, V: 74.4° Tele: H: 30.8°, V: 23.3°	1 ~ 1/30 sec (B/W) 1/25 ~ 1/1000 sec (color)	Horizontal Vertical	AF, AWB, AE, NR, TDN, DSS, BLC, GAMMA, DPC, DEFOG, WDR
HT ZB2X	1/2.8" Progressive Scan CMOS	Auto DC Iris, Zoom, IR cut filter	20 x (optical, motorized)	f=4.8 ~ 57.6mm	F2.2 (wide) ~ 2.3 (tele)	Wide: H: 64.2°, V: 37.5° Tele: H: 5.9°, V: 3.3°	1 ~ 1/30 sec (B/W) 1/25 ~ 1/1000 sec (color)	Horizontal Vertical	AGC, AWB, AE, TDN, DSS, BLC, WDR
HT FDFL	1/2.8" Progressive Scan CMOS	Fixed lens, IR cut filter	N/A	2.8mm	F1.8	H: 105°, V: 87°	1/1 ~ 1/10000 sec	Horizontal Vertical	AF, AWB, AE, NR, TDN, DSS, BLC, GAMMA, DPC, DEFOG, WDR, IR LED (10pcs)

## VIDEO TECHNOLOGY

	Compression	Frame rate	Bitrate	Resolutions	Streaming	Burn-in OSD
HT FBVF	H265 / H264 / MJPEG	Max 30fps @ 1920 x 1080	Primary: 32Kbps ~ 16Mbps, Secondary: 32Kbps ~ 4Mbps	352 x 240 ~ 1920 x 1080	Primary: H265 / H264, Secondary: H265 / H264 / MJPEG	Multi-lingual
HT ZB2X	H265 / H264 / MJPEG	Max 30fps @ 1920 x 1080	Primary: 32Kbps ~ 16Mbps, Secondary: 32Kbps ~ 4Mbps	352 x 240 ~ 1920 x 1080	Primary: H265 / H264, Secondary: H265 / H264 / MJPEG	Multi-lingual
HT FDFL	H265 / H264 / MJPEG	Max 30fps @ 1920 x 1080	Primary: 32Kbps ~ 16Mbps, Secondary: 32Kbps ~ 4Mbps	352 x 240 ~ 1920 x 1080	Primary: H265 / H264, Secondary: H265 / H264 / MJPEG	Multi-lingual

## NETWORK TECHNOLOGY

	Interface	Protocol	Security	API
HT FBVF	1 x Ethernet 10/100base-T (RJ-45)	IPv4/v6, TCP, UDP, IGMP (MULTICAST), ICMP, DHCP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, UPnP, WS-Discovery, Zero-configuration, NTP, DDNS	Password protection, IP address filtering, HTTPS encryption	ONVIF, PSIA, MPEG-TS
HT ZB2X	1 x Ethernet 10/100base-T (RJ-45)	IPv4/v6, TCP, UDP, IGMP (MULTICAST), ICMP, DHCP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, UPnP, WS-Discovery, Zero-configuration, NTP, DDNS	Password protection, IP address filtering, HTTPS encryption	ONVIF, PSIA, MPEG-TS
HT FDFL	1 x Ethernet 10/100base-T (RJ-45)	IPv4/v6, TCP, UDP, IGMP (MULTICAST), ICMP, DHCP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, UPnP, WS-Discovery, Zero-configuration, NTP, DDNS	Password protection, IP address filtering, HTTPS encryption	ONVIF, PSIA, MPEG-TS

## EVENT & GENERAL

	Event sources	Event Actions	Housing	Certification	Power Supply	Power Consum.	Operating Temp.
HT FBVF	Motion, Sensor Input, Client disconnection	Notification (E-mail), FTP, Alarm control, Recording	POM (Polyoxsymetylen), RAL 5012 (ring)	Designed to meet IEC60945, IP66/IP67	PoE: 802.3af	12W (max)	-40°C to +65°C
HT ZB2X	Motion, Sensor Input, Client disconnection	Notification (E-mail), FTP, Alarm control, Recording	POM (Polyoxsymetylen), RAL 5012 (ring)	Designed to meet IEC60945, IP66/IP67	PoE: 802.3af	12W (max)	-40°C to +65°C
HT FDFL	Motion, Sensor Input, Client disconnection	Notification (E-mail), FTP, Alarm control, Recording	POM (Polyoxsymetylen), RAL 5012 (ring)	Designed to meet IEC60945, IP66/IP67	PoE: 802.3af	6W (max)	-40°C to +65°C

## ACCESSORIES

	Description
HT WB11-AA	SeaHawk Bullet Wall Bracket ALU. Black RAL9005 (for -X1 models only)
HT CB11-AA	SeaHawk Bullet Ceiling Bracket ALU. Black RAL9005 (for -X1 models only)
LD-001	IP67 coupler for patch cable, 2 x RJ45 female-to-female

## DIMENSIONS & WEIGHT

	Dimensions	Weight
HT FBVF	W:153.00 [6.02"] x H:105.00 [4.13"] x D:201.00 [7.91"] mm [inch]	1.9 Kg / 4.19 lbs
HT ZB2X	W:153.00 [6.02"] x H:105.00 [4.13"] x D:201.00 [7.91"] mm [inch]	2.0 Kg / 4.4 lbs
HT FDFL	W:153.00 [6.02"] x H:105.00 [4.13"] x D:201.00 [7.91"] mm [inch]	1.15kg / 2.5lbs

## AVAILABLE MODELS

HT FBVF (Bullet Varifocal)		HT ZB2X (ZoomBullet)		HT FDFL (FixedDome)	
HT FBVF AA-X1	SeaHawk FixedBullet Varifocal POM Black	HT ZB2X AA-X1	SeaHawk ZoomBullet 20x POM Black	HT FDFL AA-X3	SeaHawk FixedDome POM Black, Rear Cable Gland Output
HT FBVF WA-X1	SeaHawk FixedBullet Varifocal ALU. White RAL9010	HT ZB2X AA-X1	SeaHawk ZoomBullet 20x ALU. White RAL9010	HT FDFL AB-X3	SeaHawk FixedDome POM Black, Bottom Cable Gland Output
				HT FDFL WA-X3	SeaHawk FixedDome ALU. White RAL9010, Rear Cable Gland Output
				HT FDFL WB-X3	SeaHawk FixedDome ALU. White RAL9010, Bottom Cable Gland Output