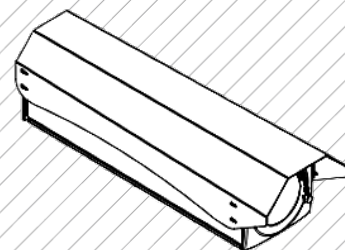


VISIBLE CAMERAS

HD LOW LIGHT VISIBLE AND 4K VISIBLE SENSORS

Powered by
NexOS



* Illustration indicative & subject to model

VISIBLE SENSOR

Part Number	RHTX07IYJ04Z129W	RHTX07IHA16Z500W	RHTX07IHA16Z1000W	RHTX07IYK04Z88W
Focal Length	4.3mm to 129mm	15.2mm to 500mm	16.7mm to 1000mm (to 2000mm with (x2) extender)	4.4mm to 88.4mm
Horizontal Field of View	63.7° (W) to 2.32° (T)	23.42° (W) to 0.78° (T)	21.2° (W) to 0.45° (T) (to 0.23° (T) with x2 extender)	70.2° (W) to 4.1° (T)
F Number	F1.6 to F4.7	F3.0 to F32	F3.5 to F16 (to F32 with (x2) extender)	F2.0 to F3.8
Optical Zoom (Continuous)	30x, Motorised	33x, Motorised	60x, Motorised (120x with (x2) extender)	20x, Motorised
Digital Zoom	20x			
Focus	Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, manual			
Image Sensor	1/2.8" CMOS Exmor (2.13MP) Full HD 1080p (1920 x 1080)	1/1.9" CMOS Sensor (2.38 MP) Full HD 1080p (1920 x 1080)		1/2.5" CMOS (8.51MP) QFHD 3840 x 2160
Min. Sensitivity	Colour 0.01 lux Mono 0.0008 lux (high sensitivity mode)	Colour 0.05 lux F1.2 gain of up to 60dB / 0.005 lux F1.2 / AGC @ 42dB (accumulation 25 times) Mono 0.002 lux F1.2 gain of up to 60dB / 0.0002 lux F1.2 / AGC @ 42dB (accumulation 25 times)		Colour 0.4 lux Colour 0.06 lux (slow shutter on)
Wide Dynamic Range	Yes	-		Visual Enhancer (VE)
White Balance	Auto, push and manual	Auto / manual		Auto, push and manual
Automatic Level Control (ALC)	Auto / manual			
Shutter	1/1 s to 1/10,000	1/20 to 1/10,000 (variable)		1/1 to 1/10,000
Day/Night Mode	Auto, colour, monochrome	Auto, manual, colour, monochrome		Colour only
Backlight Compensation	On/off			
Optical Image Stabilisation	-	-	Yes (cost option)	-
Image Processing	Digital Noise Reduction			

NexOS *

NexOS Core (Standard)	NexOS Core includes: Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, digital zoom, image contrast enhancements, CLAHE, de-fog, electronic image stabilisation (2D), static overlays, remote upgrades, remote diagnostics
NexOS Performance Pack (Cost Option)	In addition to NexOS Core, includes: Electronic image stabilisation (3D), target tracking*, target classification, event detection, dynamic overlays, dynamic boresight, dynamic absolute positioning, edge recording

ELECTRICAL AND MECHANICAL

Boresight with Rapid Release Mechanism	Anodised aluminium, quick release bracket with micro adjustment boresight mechanism			
Video Output	RTSP, ONVIF from PTU (H.264, H.265 and MJPEG)			
IP Rating	IP67			
Temperature Range	-32°C (-25°F) Up to 65°C (149°F) (-40°C/°F with optional Cold Weather Pack)			
Power	48VDC			
Fixing Material	Stainless steel			
Housing Material and Finish	Anodised aluminium (nitrogen purged), hydrophobic coating on window, white powder marine grade paint finish (other colours are available upon request)			
Weight (Typical)	17Kg / 37.5lb	19Kg / 41.9lb	23Kg / 50.7lb	17Kg / 37.5lb
Dimensions (Typical)	L740 x W298 x H249mm	L900 x W290 x H246mm		L740 x W298 x H249mm
Compatible PTU's	Osiris PTU and Jaegar PTU			

PART CODES

RHTX07IYJ04Z129W	1/2.8" CMOS High definition (HD) IP video camera, with a 4.3-129mm (30x) optical zoom lens, NexOS, white colour
RHTX07IHA16Z500W	1/1.9" Low Light, CMOS, High definition (HD) IP video camera, with a 15.2-500mm (33x) optical zoom lens, NexOS, white colour
RHTX07IHA16Z1000W	1/1.9" Low Light, CMOS, High definition (HD) IP video camera, with a 16.7-1000mm (60x) optical zoom lens (2000mm, 120x optical zoom with 2x extender), NexOS, white colour
RHTX07IYK04Z88W	1/2.5" CMOS 4K IP video camera, with a 4.4-88.4mm (20x) optical zoom lens, NexOS, white colour
Options	All optional features, wiper, modules, cable and ancillary part numbers are available upon request

* NexOS cameras to be sold with a Silent Sentinel NexOS PTU, capabilities are be subject to camera type.

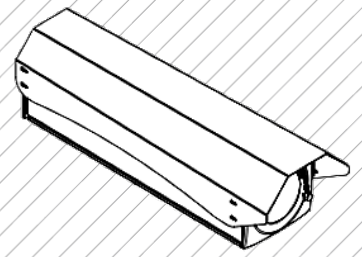
Specifications may be subject to change without notice.
E&OE 25/10/2023 V4.3



VISIBLE CAMERAS

HD ULTRA LIGHT VISIBLE SENSORS

Powered by
NexOS



* Illustration indicative & subject to model

VISIBLE SENSOR

Part Number	RHTX071CB16Z500W	RHTX071CB20Z1200W
Focal Length	15.2mm to 500mm	20mm to 1200mm (effective 2400mm with (x2) extender)
Horizontal Field of View	32.39° (W) to 1° (T)	24.87° (W) to 0.45° (T) (to 0.23° (T) with (x2) extender)
F Number	F3.0 to F32	F4.2 to F19.2 (to F38.4 with (x2) extender)
Optical Zoom	33x, Motorised (Continuous)	60x, Motorised (Continuous) (120x with (x2) extender)
Digital Zoom	20x	
Focus	Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, manual	
Image Sensor	2/3" CMOS Sensor (2.2MP), Full HD 1080p (1920 x 1080)	
Min. Sensitivity	Colour 0.005 lux at F1.4 / 50 IRE, Mono 0.00000001 lux at F1.4 / 50 IRE	
Wide Dynamic Range	Yes	
White Balance	Auto and manual	
Automatic Level Control (ALC)	Auto / manual	
Shutter	Up to 1/10,000 (variable)	
Day/Night Mode	Auto, colour, monochrome	
Backlight Compensation	On / off	
Optical Image Stabilisation	-	Yes (cost option)
Image Processing	Digital Noise Reduction	

NexOS *

NexOS Core (Standard)	NexOS Core includes: Push autofocus, continuous autofocus, continuous autofocus with automatic ROI, digital zoom, image contrast enhancements, CLAHE, de-fog, electronic image stabilisation (2D), static overlays, remote upgrades, remote diagnostics
NexOS Performance Pack (Cost Option)	In addition to NexOS Core, includes: Electronic image stabilisation (3D), target tracking, target classification, event detection, dynamic overlays, dynamic boresight, dynamic absolute positioning, edge recording

ELECTRICAL AND MECHANICAL

Boresight with Rapid Release Mechanism	Anodised aluminium, quick release bracket with micro adjustment boresight mechanism
Video Output	RTSP, ONVIF from PTU (H.264, H.265 and MJPEG)
IP Rating	IP67
Temperature Range	-32°C (-25°F) Up to 65°C (149°F) (-40°C/°F with optional Cold Weather Pack)
Power	48VDC
Fixing Material	Stainless steel
Housing Material and Finish	Anodised aluminium (nitrogen purged), hydrophobic coating on window, white powder marine grade paint finish (other colours are available upon request)
Weight (Typical)	19Kg / 41.9lb 23Kg / 50.7lb
Dimensions (Typical)	L900 x W290 x H246mm
Compatible PTU's	Osiris PTU and Jaegar PTU

PART CODES

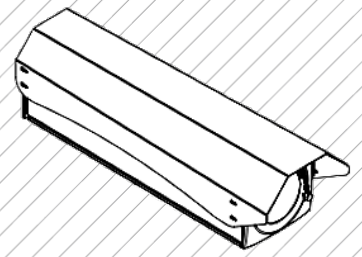
RHTX071CB16Z500W	2/3" Ultra Low Light, CMOS, High definition (HD) IP video camera, with a 15.2-500mm (33x) optical zoom lens, NexOS, white colour
RHTX071CB20Z1200W	2/3" Ultra Low Light, CMOS, High definition (HD) IP video camera, with a 20-1200mm (60x) optical zoom lens (2400mm, 120x optical zoom with 2x extender), NexOS, white colour
Options	All optional features, modules, cable and ancillary part numbers are available upon request

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VISIBLE CAMERAS

FURTHER OPTIONS



* Illustration indicative & subject to model

Powered by
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OPTIONS

Miscellaneous	Laser range finder*, laser illuminator*, white light illuminator*, IR illuminator*, signal light gun*, UAV effector*, acoustic hailer*, wiper, cold weather pack*. * (When part of a PTU system)
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PLEASE CONTACT US FOR A SPECIFIC CONFIGURATION

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