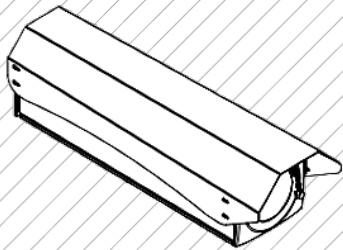# VISIBLE CAMERAS

HD LOW LIGHT VISIBLE SENSORS

Powered by NexOS

* Illustration indicative & subject to model

VISIBLE SENSOR

	RHTX07IYJ04Z129W	RHTX07IHA16Z500W	RHTX07IHA16Z1000W
Part Number	RHTX07IYJ04Z129W	RHTX07IHA16Z500W	RHTX07IHA16Z1000W
Focal Length	4.3mm to 129mm	15.2mm to 500mm	16.7mm to 1000mm (to 2000mm with (x2) extender)
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)
F Number	F1.6 to F4.7	F3.0 to F32	F3.5 to F16 (to F32 with (x2) extender)
Optical Zoom (Continuous)	30x, Motorised	33x, Motorised	60x, Motorised (120x with (x2) extender)
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)	
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)	
Wide Dynamic Range	Yes	-	
White Balance	Auto, push and manual	Auto / manual	
Automatic Level Control (ALC)	Auto / manual		
Shutter	1/1 s to 1/10,000	1/20 to 1/10,000 (variable)	
Day/Night Mode	Auto, colour, monochrome	Auto, manual, 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)	17Kg / 37.5lb	17.5Kg / 38.6lb	23Kg / 50.7lb
Dimensions (Typical)	L740 x W298 x H249mm		L900 x W290 x H246mm
Compatible PTU's	Jaegar PTU		

PART CODES

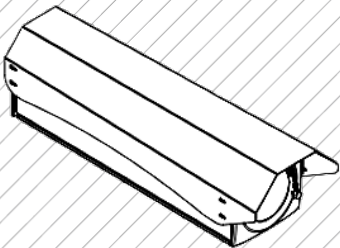|	
RHTX07IYJ04Z129W	1/2.8" CMOS High definition (HD) IP video camera, with a 4.3-129mm (30x) optical zoom lens, NexOS, white colour
RHTX07IHA16Z500W	1/1.9" Low Light, CMOS, High definition (HD) IP video camera, with a 15.2-500mm (33x) optical zoom lens, NexOS, white colour
RHTX07IHA16Z1000W	1/1.9" Low 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
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.

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SILENT SENTINEL a Motorola Solutions Company

VISIBLE CAMERAS

FURTHER OPTIONS

Powered by
NexOS

* Illustration indicative & subject to model

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)

PLEASE CONTACT US FOR A SPECIFIC CONFIGURATION

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