

Day and night surveillance, encoding and overlaying metadata (time, geolocation, targeting with overlaid coordinates), streaming data via secure channel.

3-axle gyro-stabilized hi-res and LWIR dual cam setup with own processing and storing unit shelled in a military grade (MIL.STD.810F) case.

	Main module	Infrared
Resolution	1920*1080	640*480/17um
Frequency	30 Hz	25 Hz
Lens	4,5-135 [mm]	35 [mm]
Viewing angles	60°-3,3°	63°
ISO rating	0,05 lux@F1.6	<40mk@F/1
Zoom	18x optical	8x digital
Interface	HDMI 1.4	HDMI 1.4
Control	UART, PELCO-D TTL	
Dimensions	93*46*53 [mm]	24*24 [mm]
Mass	149 g	137 g
Consumption	2,1 W	0,9 W

Gyro-stabilized axles	3
Withstand acceleration [max.]	±g 7
Angular range	+/-180°
Pitch axle range	+90°... -35°
Roll axle range	+25°... -25°
Yaw	∞
Axle speed	40 °/sec.
Withstanding temperature,	°C -40 ... +50
Interface	LAN PoE
Operation chanel	2
Operation voltage, V	12 ... 18
Watt consumption	10 ... 22
Dimention, mm	125x105x85
Weight, g.	1250



SPAITECH
Unmanned Aerial Complexes



DIGITAL EYE V.2



18x OPTICAL AND 8x DIGITAL ZOOM
LWIR DUAL CAM SETUP



DYNAMIC TARGET TRACKING USING
RADIAL DISTRIBUTED MAGNETIC
ENCODERS



IMU SENSORS ON 3-AXLE
GYROSTABILIZED PLATFORM



WITHSTANDS:
ACCELERATION - 7G
SHOCK - 2G
IMPACT - 20G
TEMP. -40...+50C°

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