E10T FOR H520

320 X 256 OR 640 X 512
THERMAL RESOLUTION

The E10T for H520 Hexacopter is an all-in-one thermal imaging and residual light camera solution, with a stabilised 3-axis gimbal. The camera captures high-quality thermal imaging and detects more detail in the dark than the naked eye with the help of its large RGB sensor.

Featuring a dual thermal and RGB video feed, H520 operators can stream the thermal and residual light images simultaneously to the remote control and view the image either as an overlay or picture-in-picture. The H520 Hexacopter was specially developed for emergency services, inspection, search & rescue and can perform waypoint based mission applications thanks to Datapilot™.

The H520 Hexacopter with the E10T thermal imaging and residual light camera range offers emergency services, firefighters, police and inspectors reliable and cost effective air support. When searching for missing persons, the H520 enables you to look for people very quickly from the air with the E10T thermal imaging camera. Fire hot spots can be detected instantly allowing for fast and efficient countermeasures - saving time, money and lives. Operators can also perform highly detailed inspections with the H520 and detect anomalies without having to get too close to the object. The drone's live image can be transferred to a monitor during the flight, allowing several people to take part in the inspection and provide initial feedback early during the flight.

For both E10T 320 x 256 and 640 x 512 versions, there are 4 different lens options:

- 4.4mm, 50° FOV
- 6.5mm, 34° FOV
- 9.1mm, 24° FOV
- 13.8mm, 16° FOV

E10T Thermal Camera (320x256 resolution): **£4,599 RRP**

E10T Thermal Camera (640x512 resolution): **£6,899 RRP**

FEATURES

- Thermal imaging and residual light dual camera for H520
- 320 x 256 or 640 x 512 thermal resolution
- Dual video stream
- Up to 28 minutes flight time with the H520
- Hot-swap gimbal
- Continuous 360° gimbal rotation
- Full camera control via the ST16S
- Supports DataPilot and mission planning

TECHNICAL SPECIFICATIONS

Dimensions:	115 x 80 x 130 mm
Weight:	350 g
Compatible Platforms:	H520 (ca. 28 min flight time)
Controllable Range:	Tilt: 15° to -90° / Pan: 360° limitless
OPTICAL CAMERA	
Sensor:	1/2.8" 2MP 23mm F2.8
Range:	2 km
FOV:	89,6°
Video Resolution:	FHD (1920x1080), H264 (NTSC) 24/25/30/48/60, MP4
Photo Resolution:	16:9, 1920x1080, JPG
ISO:	100 - 12800
Shutter:	1/30 - 1/8000s
TF Support:	FAT32(≤ 32 GB) / exFAT(>32 GB)
THERMAL CAMERA	
Sensor Technology:	uncooled VOx microbolometer
Thermal Resolution:	320x256 or 640x512
Pixel Size:	12 µm
Spectral Range:	8-14 µm
Effective Frame Rate:	< 9Hz
Sensitivity:	< 50 mK, @f/1.0
Scene Range (High Gain):	640 × 512: -25°C to 135°C / 320 × 256 -25°C to 100°C
Scene Range (Low Gain):	-40°C to 550°C
Spot Meter:	>98,5%, no clusters > 3x3
Image Optimization:	Yes
Digital Detail Enhancement:	Yes
Polarity Control (black hot/white hot):	Yes
Color & Monochrome Palettes (LUTs):	Yes
Photo Format:	JPEG, TIFF
Video Format:	MP4

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