E90 VISUAL REALITY



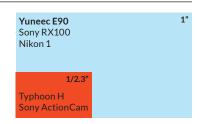


ULTRA HIGH RESOLUTION

The E90 camera is a wide-angle, 20MP, high resolution payload/camera. Gimbal stabilized, the E90 utilises a 1-inch sensor designed for applications requiring highly detailed images allowing for broad vision in close-up environments.

1-Inch Sensor

The E90's 1-inch sensor provides for greater dynamic range, increased sensitivity in low-light environments, and natural, deep colors ideal for orthomapping, 3D modeling, and close-up inspections.



Ultra High-Speed Image Processing

The advanced H2 signal processing enables Ultra-HD 4K video @ 60fps which delivers extremely smooth, fast motion video reproduction. Choose between HEVC for optimal bandwidth or common .mp4 file formats for archive, delivery, or best post-processing options.



Precision Lens System

The E90's 23mm lens equivalent provides wide angle views with low distortion and minimal lens dispersion. The E90 comes with a lens adapter ring threaded to fit 40.5mm standard filters for flexibility and convenience.



Hot-Swap Capable Payload



All Yuneec commercial camera systems are hotswap capable which minimizes down time and increases productivity.

The E90 camera/gimbal system is interchangeable with the E50 or CGOET payloads, without powering down. The quick release system provides greater versatility from the H520 in the field. The quick release and lock mechanism of the gimbal and airframe mounting system enables fast and efficient exchange of cameras.















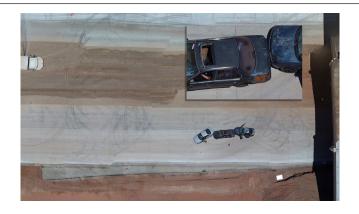




E90 VISUAL REALITY

Capture Highly Detailed Images

The E90 is designed for law enforcement applications such as accident recreation, search and rescue operations and for 3D mapping/modeling. In addition, broadcast and production professionals will appreciate the dramatic aerial shots afforded by the E90's high frame rate and accurate color.





The E90's 1-inch 4K resolution sensor, combined with the H520 bestin-class airframe stability, provides for extremely high quality imaging. The result is superior high-resolution 2D ortho or 3D maps, precision volumetrics, and 3D surface models.

Specifications

BURST SPEED (PHOTO) 3@1S/5@1S/7@1S

COLOR SENSITIVITY RGB **COMPRESSION BIT RATE** 100MBPS **COMPRESSION TYPE** AVC/HEVC **DNR** 2D FILTER **EFFECTIVE PIXELS** 20 MEGAPIXELS DFOV 90.3 ± 3° **FOV**

FOCAL LENGTH 23MM

FRAMERATE 24/25/30/48/50/60/120

FSTOP RANGE $F2.8 \pm 5\%$ **GIMBAL AXIS** ±.02°

GIMBAL CONTROL ACCURACY

GIMBAL MAX. CONTROL RANGE TILT: -90° - 30° PAN: 360° LIMITLESS

GIMBAL MAX. CONTROL SPEED TILT: 50°/S PAN: 50°/S

100 - 12800 **ISO RANGE** MAX VIDEO RESOLUTION 4K 60FPS MINIMUM SD CARD CLASS 10 U3

104LP/MM, CENTER: 0.6, CORNER: 0.4 MTF

SENSOR SIZE 1 INCH CMOS **SHUTTER SPEED** 1/8000 - 85 **SHUTTER TYPE ROLLING**

SNR ISO100, SNR 36DB

STORAGE TEMPERATURE 10°C - 30°C WEIGHT 330G

E90 Camera and Gimbal



