



Since 1978

Big Shot



Mid-Range Thermal Visual Imager

U.S. Military MRTVI 640 (3-180 CZ), 1024 (3-60° CZ)

The Big Shot Imaging System is an advanced thermal imaging camera.

The HurleyIR proprietary signal processing and superior electronics result in extremely clear images. HurleyIR cameras are MIL Spec 810F/G shock and vibrate, environmentally-sealed multi-spectral rugged systems. The considerable payload capacity of Big Shot can be configured with just about any combination of optics, cameras and other sensors. Our advanced state-of-the-art thermal imaging with an integrated high-performance day/night camera provides full surveillance capability in any conditions.

The Big Shot is configurable for vehicle/vessel and drop deployable platforms, giving incredible flexibility in many tactical applications. Obviously the Big Shot is overqualified for fixed security, but its reasonable price makes it an easy choice.

The Big Shot cameras have continuous zoom, auto focus lenses in all spectrums

to allow for a variety of fields of view. The Big Shot can integrate with a large assortment of other peripheral sensors and cameras and can be remotely operated from multiple command points.

The Big Shot can provide you with eyes on your target over 10 Kilometers away.

Since 1995 HurleyIR's sophisticated but rugged cameras have survived the rigors of the US Military, while to date still maintaining the best MTBF record in the industry.

HurleyIR cameras have been tested under the harshest conditions, and exceed military specifications for operational and environment integrity. HurleyIR cameras have had US Defense Logistics stock numbers for over 20 years, and all of our Military grade cameras are ready to start work on your mission today.



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Key Benefits

- 30 Years of building cameras
- Customize your camera to your mission
- Modular rugged design
- Technologically current
- Unprecedented excellent reputation
- Reliable after sales support
- Compatible on many control platforms



Specifications



The thermal camera combines a new incredibly high 3 times continuous zoom and Auto AGC capability with a 1/3 Hybrid FPA. The camera features a powerful 3x SMART lens that is auto focus through the entire zoom range to provide the highest TELEPHOTO zoom capability (3 to 18° HFOV). This camera is ideally suited for use in fixed security and mobile applications. (HD 1024 Optional)

Item	Specification
Thermal Camera Detector NSN: 58550149806828	Non-Cryogenic Hybrid FPA
Array	640x480, (HD 1024 x 768 optional)
Spectral Range	LWIR
NETD	31mk max
Sensor Frame Rate	60Hz
Zoom	Continuous 3° to 18° (640), Continuous 3° to 60° (1024)
Human target	>5km
Small vehicle target	>10km
Focus	Automatic
Operating Temperature	-50°F to +150°F
Video Output	NTSC, PAL or Ethernet, Wi-Fi (specify)
Mil-STD	US Army 810F/G tested & approved
Weight	<45lb.(with positioner)
Charge options	AC/DC
Power Draw	1.5 Amp typical
High Resolution Day/Night Visual Camera	
Effective Pixels (approx.)	2.1 Megapixels
Horizontal Viewing Angle	64° to 2° (Optical) 2° to 0.3° (Digital)
Minimum Illumination	0.0008 lx
Video Output	NTSC (standard), PAL or Ethernet or Wi-Fi (specify)
Human Target	15km
Small Vehicle Target	23km
Positioner	
Voltage	12-24VDC Input Voltage (standard), 120VAC-60HZ, 240VAC 60-60HZ or European 230VAC-50HZ (specify)
Tilt rotation	±90°
Pan rotation	360
Gyro Stabilization	Optional
Big Shot Extended Range NSN: 58550149707044	MRTVI 640-2/10DF (2° / 10° DF)
Human Target	6.5km
Small Vehicle Target	13km
Radar	This unit can be interfaced to slue to cue with radar (optional)
Control Interface	TASS to MRTI ICD, Pelco "D", Philips Bosch

The camera includes the full camera as described in these specifications, a hard shipping case, a desktop controller with monitor, and a 10 foot hook up cable. Marine or mobile hardened controllers are optional. Wireless control systems are optional.



TEST AND MEASUREMENT INSTRUMENTS C.C.

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