



# Top Dog

## Long Range Thermal Visual Imager

### U.S. Military LRTVI 640-2/22CZ

#### FEATURES

The TopDog 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 TopDog 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 TopDog 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 TopDog cameras have continuous zoom, auto focus lenses in all spectrums to allow for a variety of fields of view. The TopDog can integrate with a large assortment of other peripheral sensors and cameras and can be remotely operated from multiple command points. The TopDog can provide you with eyes on your target over 20 Kilometers away. Since 1995 HurleyIR's sophisticated but rugged cameras have survived the rigors of the US Military in theatre use, while to date still maintaining the best MTBF record in the industry. Our customers often ask us just to update their HurleyIR cameras because they are still doing their job a decade later. HurleyIR cameras have had US Defense Logistics stock numbers for over 20 years, and with all of our Military grade cameras already ATEC tested and approved there ready to start work on your mission today.



#### Key Benefits

- ATEC Tested and approved
- 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
- Longest range non-cryogenic in the world

HurleyIR, Inc.  
Cage: 35HS9  
NSN:5855014906798  
NSN:5855014906865

[www.hurleyir.com](http://www.hurleyir.com)  
410.875.0234 tel  
410.875.0291 fax  
[info@hurleyir.com](mailto:info@hurleyir.com)

# Specifications



Item	Specification
<b>Top Dog Extended Infrared Range</b>	
Array	640x480
Spectral Range	LWIR
NETD	31mK max 25mK typical
Sensor Frame Rate	30Hz
FOV	Continuous 2° to 22°
Human target	15 km
Small vehicle target	25 km
F Stop	F1.4
Focus	Automatic
Operating Temperature	-50°F to +150°F
Video Output	NTSC (standard), PAL or Ethernet or Wi-Fi (specify)
Mil-STD	US Army 810F/G tested & approved
Weight	65lbs. with positioner
Power Options	AC/DC
Power Draw	1.5 Amp typical peak 7
<b>High Resolution Day/Night Visual Camera</b>	
Effective Pixels (approx.)	2.1 Megapixels
FOV	64°-2° (Optical) 2°-3° (Digital)
Optical Zoom	30x
Digital Zoom	12x (360x with Optical)
Minimum Illumination	.0008 lx
Fog Cut Filter	On/Off
Nightview Mode	On/Off
Electronic Iris	On/Off
Day & Night	Auto
Digital Noise Reduction	On/Off
Focus	Auto
Aperture Compensation	On/Off
<b>Positioner</b>	
Voltage	12-24VDC Input Voltage (standard), 120VAC-60HZ, 240VAC 60-60HZ or European 230VAC-50HZ (specify )
Tilt rotation	+ - 90°
Pan rotation	360
Radar	This unit can be interfaced to slue to cue with radar (optional)
Control Interface	TASS to LRTI TM12-A051-003A, Pelco "D", Philips Bosch

The camera includes the full camera as described in these specifications, a hard shipping case, 40ft power cable, power supply, and sun shield. Marine or mobile hardened controllers are optional. Wireless control systems are also optional.



Supplied by:  
 TEST AND MEASUREMENT INSTRUMENTS C.C.  
[www.instrumentsgroup.co.za](http://www.instrumentsgroup.co.za)  
 Tel: +27 11 683 4365  
 Email: [sales@instrumentsgroup.co.za](mailto:sales@instrumentsgroup.co.za)