

State-of-the-Art NightVision Non-Thermal HD Color Camera



2MP 60X HD Extended Range PTZ



33mm-2000mm Super WDR



See Through Smoke & Fog



Identify Human at 10km



Super Low Lux .0001



Full Color Even at Night

Long Range Color Intelligent Imaging with Heat & Fog Mitigation

GammaHawk™ Technology

GammaHawk™ by Aventura is a visible day/night camera system, which operates in the near infrared spectrum. Aventura applies key algorithms, which measure the intensity of light and its characteristics. Application of a low-pass notch filter (Black Glass), along with fog reduction and scintillation (heat wave) removal with advanced processing, provides high-definition color images over a variety of environmental conditions.

System Performance

- + Precision Repeatable High-Speed Positioning
- + HD-SDI Slip Ring Video Throughput
- + HD IP Video Output and Control
- + Extreme Environment Capable
- + Ruggedized Construction
- + Rapidly Deployable

Key Features

- + Nightvision Color
- + High-Definition Imagery
- + Near IR Corrected Optics
- + Super WDR & Super Low Lux
- + Image Stabilization
- + Scintillation Removal



Made in the U.S.A



16-04-2015

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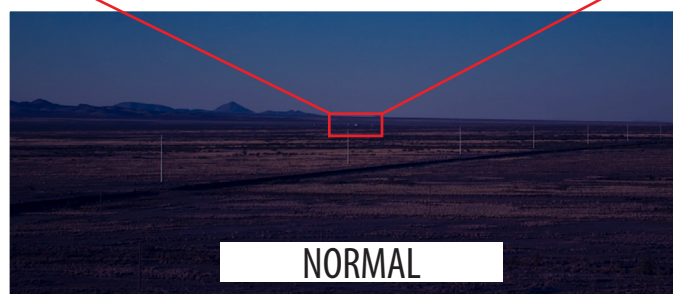
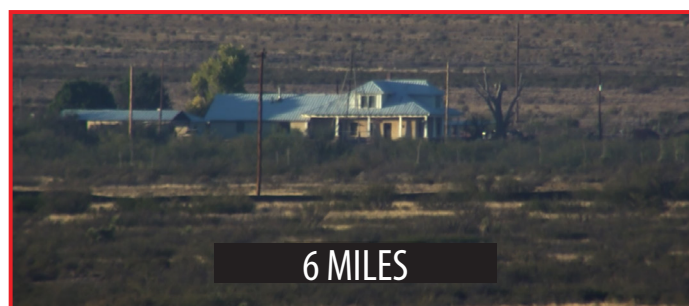
Aventura Technologies, Inc.
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Extra Long Range Camera System CAM-ELR-01E

SPECIFICATIONS

System	
Max Power Consumption (w/o Heaters)	240 W
Operating Voltage Range	24 – 28 VDC
System Azimuth Range	360° Continuous Rotation
Tilt-Axis Range	+/- 90 degrees from horizon
Azimuth Speed	0.005° – 25°/sec
Tilt-Axis Speed (deg/sec)	0.005° – 8°/sec
Internal Heater	Thermostatically controlled
Operating Temperature	-15°C to 65°C (5°F to 149°F) (without heater) -30°C to 65°C (22°F to 149°F) (with heater)
Position Resolution	Encoders (0.01° readout)
Video Output	HD-SDI and Full-IP models available
System Control	RS232 / 422 / 485, IP Ethernet: 10/100 Base-T
Video Compression (Optional)	H.264 (High, Main and Baseline profiles), Motion JPEG
Resolutions	Up to HD 720p @ 60 fps / 1080p @ 30 fps
Frame Rate (Video encoder supports the following):	H.264: 1920x1080, 1280x720, 640x360, 4CIF, VGA 2CIF, CIF and Motion JPEG: 4CIF, VGA, 2CIF, CIF
Video Streaming	Two (2) configurable streams, user selectable H.264 or MJPEG
Data Rate	64 kbps – 10 Mbps per channel (requires less than 1 Mbps @ 4CIF/30fp)
Access Control	Standard 10/100 Base-T Ethernet port
Network	Standard 10/100 Base-T Ethernet port
Security	Password protection, IP address filtering, HTTPS encryption, IEEE 802.1X network access control, digest authentication, user access log
Supported Protocols	IPv4/v6, HTTP, HTTPS, SSL/TLS, QoS Layer 3 DiffServ, FTP, CIFS/SMB, SMTP, Bonjour, UPnP™, SNMPv1/v2c/v3 (MIB-II), DNS, DynDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP, SOCKS
Networking	IPv4/v6, UDP, TCP, IGMP, ICMP, ARP, DHCP, DN
Streaming	RTP, HTTP
Management	RTSP, HTTP, HTTPS, Bonjour, NTP, Telnet, FTP, SNMP
Video Output	Option 1: Single HD-SDI Model Available + SD RS-170 video output Option 2: H.264 or Motion JPEG + SD RS-170 video output
GPS Positioning	Optional
Laser Range Finder	Optional
Auto Video Tracking	Optional
Intelligent Video Analytics	Optional
Face Recognition	Optional
License Plate Recognition	Optional
Radar Integration	Optional
PIDS Integration	Optional
Available Colors	White, Desert Sand, Green. Custom colors available upon request
Environmental Qualifications	MIL-STD-810G, MIL-STD-1275, IP 66, FCC, CE

Camera		
Zoom	60×	
Lens	F: 3.5-32	
	Without 2x Extender	With 2x Extender
Focal Distance	$f=16.7-1000$ mm	$f=33.4-2000$ mm
Angle of View Horizontal: (W – N)	24.33° - 0.41°	12.16° - 0.21°
Angle of View Vertical: (W – N)	13.83° - 0.23°	6.94° - 0.12°
Sensor	1/1.9" CMOS Sensor	
Effective Pixels	1937(H) x 1097(V)	
Resolution	Horizontal: 800TV lines	
Resolution Settings	w/o extender (F3.5, AGC: MAX)	
Color	0.07 lx (color full motion) 0.001 lx at integrated mode (Sens. x30) B/W: 0.0045 lx (Tungsten lamp) 0.0001 lx at integrated mode (Sens. x30)	



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