



CAM-LAS-1500

22x PTZ Camera with Patent Pending Long Range Laser Infrared Illumination Technology 9,800 Feet Day and 4,900 Feet Night

The LAS Series of cameras from Aventura, is an exciting revolutionary advancement in surveillance solutions. Long-range infra-red imaging using laser technology allows observation, detection and optional auto-tracking of detailed images and objects up to miles away. The patent pending independent laser technology allows the user to control the concentration and direction of the light array ("Searchlight Technology"). Standard configurations feature electronic zooms and communicate RS-485 with support for Pelco-D/Extended protocol. Optional video content analytics adds a proactive element deterring threats before they occur.

SPECIFICATIONS

CAMERA	
Style	Laser Night Vision Pan Tilt Camera
Signal System	NTSC/PAL
Image Sensor	1/2" Infrared Enhancement CCD
Pixel	752 x 582
Horizontal Resolution	540 TVL
Lens	23~500mm, 22x
Field of View (H)	18°~1.0°
Minimum Illumination	0.02 lux (color), 0.0009 lux (black white)
Signal-to-Noise Ratio	≥50 dB
Electronic Shutter	1/50 to 1/10,000 s, 16 steps
Wide Dynamic Range	On/Off
Backlight Compensation	On/Off
LASER	
Effecting Distance	1,500 m daylight, 3,000 m night mode
Laser Power	Dual circuit drive, regulated voltage and current, power up 1s, photosensitive outside control
Laser Lens	20x 50 mm laser telephoto lens f2.0, multilayer plating near infrared, laser coupling >95%
Laser Light	Power: 8 W, wave length: 810 nm, illumination angle: 2-17°, uniform light, nitrogen-filled
MECHANICAL (Pan-Tilt-Zoom Head)	
Field-of-Regard	Rotate 355° horizontally, up and down vertically +6° ~-90°;
Pan/Tilt Rate of Speed	Speed: 1-9°/s horizontally; 1-4°/s vertically;
Position Accuracy	1 mrad
SYSTEM FEATURES	
Remote Control	RS-485
Automatic Heater	Yes
Programmable Search	32 presets/1 path
Pelco D Compliance	Pelco D/Extended Protocol
IMAGE PRESENTATION	
Video Out	Composite signal 1.0Vp-p/75ohm
Signal Connector	BNC video output
INTERFACES	
TCP/IP	Optional
RS-232	Optional
ENVIRONMENTAL	
Operating Temperature	-13°F~-131°F (-25°C~55°C)
Storage Temperature	-40°F~149°F (-40°C~ 65°C)
Automatic Window Defrost	No
MIL-Std 810E	Rain, sand/dust, shock, vibration
Operating Humidity	Up to 90%
Ingress Protection Rating (IEC 60529)	IP66
Weatherproof	Yes
Impact Resistance	4 G
Other	Anti salt fog, spraying 48 hours under PH6.5-7.2
ELECTRICAL	
Input Voltage	24 VAC
Power Consumption	30~95 Watts
PHYSICAL	
Weight	66 lb (30 kg)
Dimensions (W x H x D)	7.5" x 10.25" x 23.5" (190 x 260 x 600 mm)
Housing Material	Shell: Precision aluminum alloy, Glass: optical microlite, Coating: anti-reflective film
Housing Color	Beige
Camera Mounting	4-hole pattern
REGULATORY	
Regulatory Type	CE, FCC, UL
Warranty (Effective Jan 1, 2009)	

Aventura - World Headquarters

180 Adams Ave. Hauppauge, NY 11788 USA
Tel: 631-300-4000 | Fax: 631-434-7000
www.aventuracctv.com

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- 9,800 feet day light and 4,900 feet night mode
- 23~500 mm varifocal lens
- Independently Zoom IR Laser From camera
- Subject Identification/Sees Thru Glass
- 540 TVL Wide Dynamic Range
- IP66
- Stealth Illumination (optional)
- Significant Savings Over Thermal

AVAILABLE MODELS

Part number	Description
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