



任務型錄 · CB-000059

AGT-EP-HTRC6200-30 防爆雙感測器熱成像攝影機

AGT-EP-HTRC6200-30 : 640×512 VOx 防爆雙感測器熱成像，IP68 CNC 雲台全天候守護石油、化工等危險場域。

型號 AGT-EP-HTRC6200-30

主要優勢

- 遠距離 24 小時監控
- 細膩流暢的影像
- 安裝與應用便利
- 360° 全方位雲台
- 超強鋁合金搭配 IP68 防護
- 更高靈敏度
- 適用於各種環境

說明

AGT-EP-HTRC6200-30 是一款專為危險工業環境連續 24 小時監控而設計的防爆雙感測器熱成像攝影機。它結合了 640×512 VOx 非製冷熱成像偵測器、2 MP 可見光攝影機、6.1–317 mm 電動變焦鏡頭以及 810 nm 雷射照明器，全部安裝在通過爆炸性環境認證的 IP68 等級 304/316L 不鏽鋼外殼中。熱成像通道提供 30 mm 焦距、20.6°×16.5° 視野、NETD ≤50 mK，並具備 SDE 數位影像增強、16 種偽彩色色板、AGC 和電子變焦。可見光通道支援 H.265/H.264 多串流編碼、星光級低照度靈敏度、3D 降噪、WDR，以及包括移動偵測、越界偵測和區域入侵在內的智慧影像分析。整合式輻射測溫功能可測量 −20 °C 至 +550 °C 的溫度，支援點、線、面和不規則區域模式，並提供過溫警報、繼電器輸出以及消防/廣播聯動。CNC 雲台支援 360° 水平旋轉和 ±90° 俯仰旋轉，承載能力達 30 kg，可在 −40 °C 至 +60 °C 環境下運作，具備 IP68 防護以及 Ex d IIC T6 Gb/Ex tD A21 IP68 T80 °C 認證。

概述

- VOx 非製冷偵測器，640×512
- NETD ≤50 mK (@25°C, F1.0)
- SDE 數位影像處理、AGC、2× 數位放大
- 16 種偽彩色與黑白、黑白反轉

應用

- 石油工業
- 天然氣
- 煤礦開採
- 冶煉
- 交通運輸
- 化工廠
- 粉塵及其他易燃/易爆環境

技術規格

THERMAL	
Temperature measurement mode	Full-screen temperature information back, point, line, surface, irregular areas, simultaneously detect 16
Temperature correction	Supported
Emissivity correction	Supported
Atmospheric transmittance correction	Supported
Humidity correction	Supported
Over-temperature alarm	Sound and light alarm
Alarm output	Reserve switch quantity alarm output
External linkage	Manual/automatic linkage fire fighting system and broadcasting system
Alarm log	Record temperature data of each object in real time, automatically generate change trend curve, automatically store temperature data, image snapshot and video recording when alarm triggered, create and record relevant log, video real-time storage and playback (with professional software)
VISIBLE	
Sensor target	1/1.8 inch star-level CMOS integrated ICR dual-filter day and night switching
Resolution	2 megapixels, 1920×1080
Illuminance (color)	0.005 Lux
Illuminance (black and white)	0.001 Lux
Video coding	H.265/H.264 video format, support for multi-stream
Video coding rate	32 KBPS ~ 16 Mbps
Frame rate	60 Hz, 30 fps
Local storage	SD card local storage
Mobile detection	Supported

技術規格

VISIBLE	
Occlusion alarm	Supported
Cross-border detection	Supported
Area intrusion detection	Supported
White balance	Supported
Electronic shutter	Supported
Strong light suppression	Supported
3D digital noise reduction	Supported
Wide dynamic	Supported
Infrared overexposure	Supported
Focal length	6.1 mm ~ 317 mm, 2 million high definition electric zoom
Focus	Manual/Automatic Focus, 3A adaptive active focus algorithm, support multiple trigger modes, accurate and high speed
Aperture	Auto
Day-night pass light	0.4-0.75 μm visible broad spectral window and 0.8-0.95 μm near-infrared laser narrow spectral window
Preset position	Precision potentiometer, variable focus feedback
LASER	
Power	4W
Wavelength	810 nm infrared laser
Illumination angle	2.0° ~ 70.0°, DSS digital step illumination angle control technology
Homogenization	Patented superhomogenization technology for the high-definition lens group of GHT-II, brightness uniformity of full-focus spot >92%

技術規格

LASER	
Laser safety	ZQB laser beam processing patent technology, in line with IEC 60825 safety standards
ENHANCEMENTS	
Image enhancement	SDE Digital Image Enhancement Technology to enhance image details
Pseudo-color polarity	16 pseudo-color images, hot black/hot white polarity
Image parameters	AGC automatic gain control, brightness, contrast
Electronic zoom	2×, 4×, support global synchronous display
NUC correction	Automatic/manual correction, background correction
DETECTION	
Vehicle distance	2520 m
Person distance	1000 m
Fire source distance	1200 m (@2×2 m)
RECOGNITION	
Vehicle distance	720 m
Person distance	300 m
PAN-TILT	
Load	30 kg CNC pan set
Pan range	Horizontal 0°~360°
Tilt range	Pitch -90°~+90°
Pan speed	Horizontal 0.1°/s ~ 30°/s
Tilt speed	Pitch 0.1°/s ~ 30°/s
Speed adaptive	Support lens focal length speed adaptive function
HOUSING	
Material	304/316L stainless steel

技術規格

HOUSING	
Structure	Double side loading
Window glass	4 mm crystallite infrared high efficiency antireflection HLIN optical glass, transmittance >98%
Protection level	IP68
Explosion proof marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80°C
INTERFACE	
Network interface	1-way RJ45, 10/100base-t adaptive
NETWORK	
Protocols	HTTP, HTTPS, FTP, SMTP, DNS, NTP, RTSP, RTCP, RTP, TCP, UDP, ICMP, DHCP
Standards	ONVIF and GB28181 protocol
CONSUMPTION	
Total power consumption	70W
WEIGHT	
Total weight	35 kg (including head)
ENVIRONMENT	
Working temperature	−40°C ~ +60°C
Storage temperature	−45°C ~ +70°C
Humidity	≤95% RH (@+25°C)
Temperature shock	Front window designed to withstand shock and thermal shock test specified in GB 3836.1-2010
Impact resistance	Withstands impact test specified in GB/T2423.5-2019
Working surface temperature	≤80°C
Protection level	IP68
Explosion proof marking	Ex d IIC T6 Gb/Ex tD A21 IP68 T80°C

文件管制頁

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