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Dual Channel Thermal & CMOS Camera System

Model: LY-DTV-P01

Description:

The LY-DTV-P1 is a cost effective and all in one dual channel thermal & CMOS camera system which with a multi-channel, multi-sensor PTZ surveillance function, particularly designed for the all day 24 hours monitoring of city road, highway, railway The thermal imager with 640 x 512 thermal camera technology, CMOS camera system with a Sony385 1/1.9" 2MP 35X starlight solution, brings an excellent dual field of view in day and night vision.

Highlights:

- * All in one pan tilt zoom (PTZ) design
- * CMOS Camera Solution: Hi3516D+ Sony385

Max 640 x 512, support 128GB TF card storage

* Thermal camera with 9 color palettes, visible camera support auto-iris, auto-zoom, auto white balance, BLC

* Single IP network output design within single MCU, support to output visible and thermal bit rate simultaneously

* With built-in anti-lightning & anti-surge protection



Camera Configuration:

Thermal Image Sensor: 640 x 512

Thermal Camera Lens: 19mm

Visible Image Sensor: SONY 1/1.9" 2MP 35X Optical zoom + 4X Digital zoom
starlight CMOS sensor

Visible Camera Lens: Continuous zoom 6mm –210mm (35X)

Video Streaming (TCP/IP): H.265/H.264/H.264H/MJPEG

Video Output: NTSC/PAL

Product Main Features:

- ◆ Single IP network output design within single MCU, support to output visible and thermal stream simultaneously
- ◆ The visible light camera uses a high-performance SONY 1/9" CMOS image sensor with a total pixel count of 2.38 million, which captures clear dynamic images; 35X optical zoom., 4Xdigital zoom;
- ◆ Support white heat, black heat, fusion, rainbow 9 kinds of pseudo color adjustable
- ◆ Excellent compatible with ONVIF, seamless access to mainstream platforms and other network devices
- ◆ Built-in anti-surge and lightning protection device to effectively prevent 8000V instantaneous current.

Application:

Fire protection, border and coastal defense detection, stations, airports, urban security, port, dock, etc. Or the industry which need to measure the temperature, such as electric power, industrial temperature detection and so on.

**Dual Channel Thermal & Visible Camera System Datasheet:**

Model	LY-DTV-P01
Detector type	Uncooled IRFPA Microbolometer
Pixel spacing	17 micron
Resolution	Default : 640(H)×512(V) , 384*288 Optional
Response band	7.5~13.5μm
Lens focal length	Default: 19mm (9mm,25mm Optional)
Thermometry	Support
Palette	9 color standards (can be customized)
Visible light camera	
Image sensor	1/1.9" SONY CMOS(IMX385)
Processor	Hi3516D
Total pixel	2.38 Mega Pixel
Maximum resolution	1945(H)*1225(V)
Video format	50Hz:25fps (1920*1080) 60Hz:30fps (1920*1080)
Minimum illumination	Color: 0.0011Lux@F1.5, B/W: 0.0005Lux@F1.5 Starlight ,Ultra low illumination
Gain control	Auto / Manual
Signal-to-noise ratio	>55dB
White balance	Automatic / manual / tracking / outdoor / indoor / outdoor automatic / sodium lamp automatic / sodium lamp
2D/3D noise reduction	Support
Penetrating fog	ON / OFF
Exposure	Support automatic and manual two modes.
BLC	ON / OFF
Strong light suppression	Support
Electronic shutter	1/3-1/30000s
Digital zoom	4X



Day /Night mode	Auto / Manual
Lens	
Focal length	6mm –210mm
Optical zoom	33X
Aperture value	F:1.5-4.0
Angle of view	60.5°- 2.3°
PTZ function	
Rotation range	Horizontal: 0° ~ 360° Endless rotation Vertical: -10° ~ 90°
Rotation speed	Horizontal 0.1° ~ 200°/s; Vertical: 0.1° ~ 200°/s
Presets	Up to 255
Automatic mode	4 groups cruise/ A-B scan/360° Horizontal scan/Pattern scanning
PTZ function	Park action/power on action/ rotation speed can be automatically adjusted according to the lens zoom factor
Video compression	H.265/H.264/H.264H/MJPEG
Network protocol	ONVIF,GB28181,TCP/IP,UDP,HTTP,RTSP,RTP
User management	Support multi-level user authority management
Network interface	1× RJ45,Single IP
Audio	1× Input ,1× Output
Alarm	1× Input ,1× Output
CVBS Output	1.0V[p-p] / 75Ω, BNC
Storage function	Support TF card storage (up to 256G)
General	
Power	DC12V/4A
Consumption	Day (Still) :6W; Day (Cruise) :9W; Night (Cruise + IR light On) :28W
Mounting	Wall mounting or lifting
IP grade	IP66
Work environment	Temperature: -20 ~ 60°C; Humidity < 90%
Protection level	IP66 waterproof, 6000V lightning protection
Bracket	Wall mounting/ Lifting

Gross Weight	6kg
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Product Dimension:

