

IPC525-F160-R150

2.0MP HD Thermal & Laser PTZ Camera



Features

Excellent Image Quality

- 2.0 Megapixel 1/1.9" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@60fps (Optical), 800 x 600@30fps (Thermal)
- H.265 video codec, saves up to 50% bandwidth and storage
- Low illumination, 0.008lux with color picture

Long Operation Lifespan

- Industrial components, withstands operation temperatures of -40°C ~ 60°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

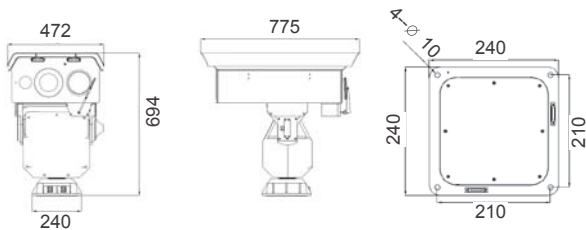
- 60x optical zoom
- Thermal Resolution 800 x 600

Abundant Functions and Features

- Micro SD card slot, supports Automatic Network Replenishment (ANR)
- Strong PT structure has smooth movements even with a 100kg carry-on load
- Optical defog
- Aviation connector

Dimensions

Units: mm



Specifications

IPC525-F160-R150	
Camera	
Image Sensor	1/1.9" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.008Lux @ (F3.5, AGC ON) B/W: 0.0006Lux @ (F3.5, AGC ON); 0Lux (Laser ON)
Shutter Speed	1 ~ 1/30,000s
Day / Night	Auto (ICR) / Color / B/W
White Balance	Auto / Manual / Warm Light / Natural Light
S/N Ratio	> 57dB
Resolution	50Hz: 25fps@1920x1200, 50fps@1920x1080 and lower, 60Hz: 30fps@1920x1200, 60fps@1920x1080 and lower
Gain Control	Auto / Manual
Backlight Compensation	Ultra WDR / BLC / HLC
Optical Lens	
Focal Length	12.5 ~ 750mm, 60x optical
Angle of View	28°43'×21°44'~ 0°29'×0°22' (Wide~Tele)
Min. Focus Distance	5000mm (Wide)
Min. Object Distance	5000mm (Wide)
Max. Aperture Ratio	F3.5 (Wide) / F16 (Tele)
Focus Control	Auto / Manual
Filter	Optical anti-fog filter
Optical Defog	Supported
EIS	Supported
Thermal Module	
Image Sensor	Vanadium Oxide Image Sensor
Resolution	800 x 600
Lens	15-150mm 10x Focal Lens
Detector Pitch	17µm
NETD	< 40mk@25°C, F1.0
Color mode	up to 9 modes
Wave Length	8-14µm
Frequency	25Hz
Digital Zoom	2X, 4X
Pan and Tilt	
Pan Range	360° Endless
Pan Speed	0.01° ~ 15°/s; range of 0.01°
Tilt Range	-60° ~ +60°
Tilt Speed	0.01° ~ 10°/s; range of 0.01°
Preset	256
Preset Patrol	Supported
Power on Reset	Supported
3D Position	Supported
Video	
Compression Format	H.265 / H.264 / MJPEG
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps Secondary stream: D1@30fps
Bitrate	32kbps ~ 16Mbps
Bitrate Control	VBR / CBR
Multi-stream	Supported
Caption	Date and time / Alarm / Direction / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
ROI	Supported
Digital Noise Reduction	3D noise reduction
Digital Defog	Supported
Image Flip	Mirror
Audio	
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC / G.722.1c / G.726
Bitrate	32kbps ~ 64kbps
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE, Firefox, Chrome)
Max. User Access	Max. 10 Users (include 2 internal)
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI
Automatic Network Replenishment (ANR)	Supported
Interfaces	
Ethernet	10/100M RJ45 interface, 1x RS485
Audio In / Out	1 x Line in / 1 x Line out
Alarm	2 x Output, 4 x Input
Memory Slot	TF card slot, supports up to 128GB
Environmental	
Operating Temperature	-40°C ~ 60°C
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	48V DC
Power Consumption	Max. 180W
Mechanical	
Weight	70kg / 154.3lb (Gross Weight)
Dimensions	775 × 472 × 694mm