



Network Thermal Detection Camera

NK1080BL-T450

Thermal Detection | SONY STARVIS | Onvif | PoE

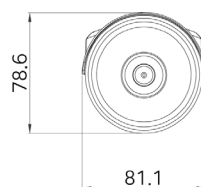


Key Features

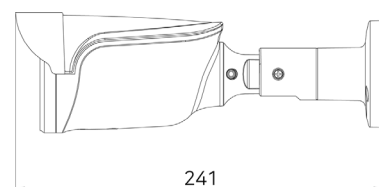
- Thermal detection : 20°C ~ 450°C
- 1/2.8", 2.1MP Sony STARVIS Image Sensor
- Supports 2 H.264 streams including 1920x1080 30fps and 1 JPEG stream
- Max 6 streams connection simultaneously (3 users based on NVR)
- 3DNR (Noise reduction)
- Digital Image Stabilizer (DIS)
- True Day&Night (ICR)
- Support De-Fog function
- Supports Onvif / PoE
- Supports IPv4
- Internal IR LED : 30 pcs

Dimension

(mm)



(FRONT VIEW)



(SIDE VIEW)

Tech Note

Heat Detection Sensor

- Heat detection up to 450°C. Maximize thermal transmittance and sensor sensitivity by applying thermal sensor with special glass.
- Detecting object's temperature and high-definition live monitoring at the same time.
- Camera sends push alarm to DVR(NVR) and PC(CMS) when it detects abnormal temperature.
- Applicable on heat sensitive devices & facilities and unmanned factories in a diverse industry.

SONY STARVIS Image Sensor

- Highly sensitive SONY STARVIS CMOS Sensor provides crystal clear image in low light condition.

Higher performance SoC

- High performance ISP functions such as 3DNR, WDR, and etc.
- Revolutionary response speed and stabilized performance.

Made in Korea

- Different league from low priced Chinese products.
- Proven quality of Made in Korea and reasonable price.



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Thermal Detection	
Sensor	LWIR Sensor, wavelength 8~14 um
FOV / Distance	51° (HFOV), 39° (VFOV) / 1~5m, More than 6m
Detection Degree	20 ~ 450°C
Minimum Object Size	Distance 1m : 0.05m (H) x 0.05m (V) Distance 10m : 0.5m (H) x 0.5m (V)
Detection Time	1, 2, 3, 4, 5, 10 sec.
Action Time	Keep On, 1, 3, 5, 10, 20, 30, 40, 50, 60 sec
External Alarm In	1 Output / 1 Input
Camera	
Image Sensor	1/2.8", 2.1Megapixel Sony STARVIS Sensor
Full Resolution	1920(H) x 1080(V) = 2.1M pixels
Scanning System	Progressive Scan
Min Illumination	0.2Lux@50IRE / F1.2 / 3100K / AGC:10 0.0005Lux@50IRE / F1.2 / 3100K / AGC:10
Lens	Filter : True Day & Night (ICR) Type : 3.6mm Fixed Mega Pixel Lens
Day & Night	AUTO / COLOR / BW / EXTERN
WDR	LOW / MIDDLE / HIGH
BLC	OFF / ON
HCL	LEVEL(0~20) / COLOR
AGC	0~10
ACE	OFF / LOW / MIDDLE / HIGH
DNR	OFF / LOW / MIDDLE / HIGH
DSS	OFF / AUTO / x2 / x4 / x8 / x16 / x32
SHARPNESS	0~10
Mirror	Horizontal / Vertical
White Balance	AUTO / AUTOext / PRESET / MANUAL
Electric shutter	INDOOR / OUTDOOR / INDOOR-ANTI BLUR / OUTDOOR-ANTI BLUR / MANUAL(1/30~1/30000, 12steps)
Privacy	ON / OFF (BOX-10 Positions)
DE-FOG	OFF / ON (MODE / LEVEL)
IR LED	30pcs
Video	
Compression Type	H.264 (MPEG4 AVC) Main profile, Baseline profile / MJPEG
Resolution	1st : 1920x1080 / 1280x720 / 800x600 / 704x480 / 704x400 / 640x360 / 480x272 / 320x184 2nd : 640x360 / 480x272 / 320x184 3rd : 1920x1080
Bitrate	128Kbps ~ 5Mbps
Frame Rate	30fps@1080p
Streaming	1st : H.264 Stream up to 1080p 30fps 2nd : H.264 nHD Stream / 30fps 3rd : JPEG 1080p Stream / 1fps
Network & Software	
Interface	1 Fast Ethernet RJ-45 port (10/100Mbps)
Network Type	Fixed IP / DHCP
DDNS	Not Supported
Port	HTTP : 80 / RTSP : 554
Protocol	HTTP / RTSP/RTP / Onvif / TCP/IP / UDP / ARP / ICMP / DHCP
Onvif	Support
Simultaneous Users	Max. 3 users
DST	Support
NTP	Support
IP Address Filtering	TBD
Web Browser (Recommended)	IE 11
Web Monitoring	IE : ActiveX based / Other browser : JPEG based
Web Configuration	Multi-platform web config / Desktop (Mac / Linux / Windows)
NVR	NVRs supporting Onvif
PC CMS Software	Control Center Standard (bundle) / Control Center Pro
Relay Server	WinRDS
Electrical & Environmental	
Power Source	DC 12V ± 10% / PoE (802.3af, 36V~57V)
Power Consumption	IR OFF : 150mA(MAX) / IR ON : 400mA(MAX)
Operating Temperature	-10°C ~ 45°C
Humidity	0% RH ~ 80% RH
Certification	KC, FCC, CE