

HYUNDAI NEXTGEN THERMAL BULLET + VISIBLE CAMERA
THERMAL-LINE SERIES WITH IR ILLUMINATION OF 40 M, FOR
OUTDOOR



Thermal Line   

KEY FEATURES

- HYUNDAI NEXTGEN Thermal bullet + visible camera Thermal-Line series with IR illumination of 40 m, for outdoor
- Visible camera with 1/2.8" CMOS of 2 megapixels
- 4mm visible optic
- Thermal camera with resolution 160 x 120, thermal lens of 3.1 mm
- Detection of people up to 91 meters and vehicles up to 280 meters
- Digital WDR, 3D-DNR
- Intelligent detection (VCA)
- IP / ANALOG video output
- Audio: 1 input / 1 output
- Alarm: 2 inputs / 2 outputs
- RS485 port MicroSD slot Onvif, API, ISAPI
- Lightning-proof 6KV
- IP66 12V DC PoE



Thermal camera

- FPA sensor (focal plane matrices) not cooled with vanadium oxide
- Thermal resolution of 160x120 (the output image is 320x240)
- Pixel Interval: 17µm
- Thermal sensitivity (NETD): <40 mk (@ 25°C, f / 1.1)
- Spectrum range: 8 µm ~ 14 µm
- Focal length (thermal): 3.1 mm
- Viewing angle (thermal): 50 ° x 37.2 °
- Minimum focusing distance of 0.2 meters
- Effective distance in people: Detection (91 m), recognition (23 m), identification (11 m)
- Effective distance in vehicles: Detection (280 m), recognition (70 m), identification (35 m)
- 15 adjustable color palettes, 3DDNR
- Dynamic detail enhancement
- Supports 4 types of VCA rules (intrusion, line crossing, region input and region output), maximum 8 rules
- Temperature range from 20 ° C ~ + 150 ° C
- Temperature accuracy of ± 8 ° C
- Supports 3 types of temperature measurement rules, 21 rules (10 points, 10 regions and 1 line)
- Supports 10 fire detection points

Visible camera

- Image sensor (visible camera) CMOS 1 / 2.8 Progressive Scan 2 megapixels
- Effective pixels: 1920 x 1080
- 40 meter infrared lighting
- Minimum illumination: 0.002 lux F1.5 (color) / 0.0002 lux F1.5 (B / N) / 0 lux IR On
- Focal length (visible optics): 4 mm
- Viewing angle (visible optics): 87 ° x 46.2 °
- Removable mechanical filter
- Digital WDR
- Supports merging of bispectrum images, image preview in image and image change

IP communication and integration

- Compression formats: H.265 + / H.265 / H.264 / H.264 + / MJPEG (baseline / main / high profile)
- Stream 1 thermal camera: 160x120 at 25 ips (the output image is 320x240)
- Stream 2 thermal camera: 160x120 at 25 ips (the output image is 320x240)
- Stream 1 visible camera: 1080P / 1.3MP / 720P at 25 ips
- Stream 2 visible camera: D1 / CIF / QCIF at 25 ips
- Audio compression: G.711u / G.711a / G.722.1 / MP2L2 / G.726 / PCM
- 1 RJ45 10 / 100M autoadaptive port

- Protocols: IPv4 / IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,
- RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- Up to 20 simultaneous visualizations
- Up to 32 users, 3 levels: administrator, operator, user
- Compatibility API, ONVIF, API, ISAPI, and thirdparty management gateway
- Compatible with IE9 +, Chrome3144, Firefox30-51, Safari5.02 + (Mac) browsers
- 2 inputs / 2 alarm outputs
- 1 input / 1 audio output
- Reset button
- MicroSD / SDHC / SDXC card slot (up to 128 GB), with support for manual or alarm recording
- BNC output 1.0V [pp] / 75Ω (PAL / NTSC)
- RS485 port
- **Electric and environmental**
- Power supply: 12V DC, PoE (802.3af, class 4)
- Consumption: max. 12W
- Operating temperature of 40 ° C ~ + 60 ° C
- Relative humidity: ≤90% (without condensation)
- IP66 protection degree
- 6KV lightningproof
- **Physical characteristics**
- Metal housing
- Dimensions: 113.5 (W) x 114.7 (H) x 352.4 mm
- Weight: 1.5 kg
- Includes wall bracket and tube base
- **Note:** The actual distance values shown are nominal values and should be used as an estimate. Check with your salesperson for the recommended detection distances with our Vaelsys perimeter system.