



VISIBLE • THERMAL • AI

SECURITY CAMERA PRODUCT PORTFOLIO

Defense • Surveillance • Protection

2025 H2

Network cameras • Multispectral PTZ • AI analytics

Long-range surveillance for critical environments



DEFENDER ULTRA

Long-range multispectral PTZ



INSPECTOR

Bispectral PTZ families



PROTECTOR

Network PTZ & bullet cameras



AI & CONTROL

Edge AI box and keyboards

DEFENSE • SURVEILLANCE • PROTECTION

OTL | SECURITY CAMERA SYSTEMS



www.omnitechlink.com

OTL Security Camera Product Portfolio

Defense • Surveillance • Protection | Portfolio source: 2025 H2

PORTFOLIO OVERVIEW

This editable catalog organizes the product families described in the supplied Security Camera Product Portfolio (2025 H2). It includes multispectral long-range PTZ systems, bispectral positioning cameras, network PTZ/dome and bullet cameras, an edge AI box, and control keyboards.

The source emphasizes multispectral acquisition, ultra-long-range imaging, PTZ positioning, AI-based detection/tracking, and all-weather surveillance. The presence and exact specification of optional sensors, illuminators, thermal channels, interfaces, and power inputs vary by model.

Model values and descriptions in the editable tables below follow the source document. Any editorial context or review note added by this catalog is highlighted in red, see the original source-page images in the reference appendix for complete product shots, fine print, and original layout.

PORTFOLIO MAP

Family	Products / models in source	Main role in source	Pages in source
Defender Ultra	P60C; V60	Ultra-long-range multispectral PTZ / sphere positioning systems	3–6
Defender / Defender Pro	Pro T40; Pro T40L; R30	Long-range multispectral / bispectral high-speed positioning cameras	7–10
Inspector	P30; R20; T20; T10; V10	Mid-range bispectral PTZ, temperature measurement and mobile camera options	11–16
Protector	S10 Pro; S10 Pro panoramic; S10; B10	Network PTZ dome and compact bispectral bullet cameras	17–21
AI Box	SVR6104	Compact Edge AI video analytics box	22
Control keyboards	V1; E3; C3	Network / RS485 PTZ control keyboards	23
General company / overview	OTL overview, innovation claims	Portfolio claims and positioning	1–2

PLATFORM FEATURES DESCRIBED IN THE SOURCE

- Multispectral camera options include visible imaging and, by model, uncooled LWIR, cooled MWIR, SWIR, and optional laser range-finding or laser illumination.
- Pan/tilt positioning, sensor combinations, optical focal length, thermal lens, operating temperature, protection level, power, dimensions and weight are model-dependent.
- AI functions listed for selected camera systems include target detection/tracking, AI-ISP image enhancement, face detection/recognition, perimeter intrusion detection, target classification, and other analytics.
- Interface capabilities vary across products; the source includes Ethernet, RS485/RS422, RS232, TTL, HDMI, USB, PoE/PoE+, and optional integration pathways in specific models.

BRAND & SOURCE INFORMATION

This working copy uses OTL branding for catalog presentation; original source-page images are included as visual references.

EDITABLE MODEL SUMMARY — POSITIONING CAMERA FAMILIES

Model	Optical / sensor summary	Pan-tilt / positioning	Protection, power & mechanics	Source p.
Defender Ultra P60C	20–1200 mm, 60× visible; optional LWIR/MWIR/SWIR; optional LRF 20 km / IR illuminator 3000 m	Pan 360° endless; tilt –90° to +90°; positioning ±0.005°	IP66, NEMA 4X; –40 to +60°C; 48 V DC; typical 50 W, max 180 W; 835.5×560×524.7 mm; <80 kg	4
Defender P60B	20–1200 mm, 60× visible; LWIR/MWIR optional	Pan 360° endless; tilt –90° to +90°; positioning ±0.005°	IP66, NEMA 4X; –40 to +60°C; 48 V DC; typical 40 W, max 180 W; 748×746×437 mm; <60 kg	5
Defender Ultra V60	20–1200 mm visible; cooled MWIR 33–660 mm, 20×; optional LRF 20 km / IR illuminator 3000 m	Pan 360° endless; tilt –45° to +45°; positioning ±0.05°; optional gyro stabilization	IP66, NEMA 4X, wind resistance; –40 to +65°C; 48 V DC; typical 50 W, max 300 W; Ø780×940 mm; <100 kg	6
Defender Pro T40	15–775 mm, 52× visible; LWIR 30–180 mm; MWIR 15–300 mm; optional LRF 6 km	Pan 360° endless; tilt –90° to +90°; pan up to 120°/s, tilt up to 80°/s; ±0.01°	IP67, NEMA 4X; –40 to +70°C; 36 V DC; typical 30 W, max 120 W; 540×368×355 mm; <26 kg	8
Defender Pro T40L	15–775 mm visible; laser illuminator effective range 3000 m, 808 nm; optional LRF 6 km	Pan 360° endless; tilt –90° to +90°; pan up to 120°/s, tilt up to 80°/s; ±0.01°	IP67, NEMA 4X; –40 to +70°C; 36 V DC; typical 30 W, max 120 W; 540×368×355 mm; <26 kg	9
Defender R30	15–775 mm visible; optional LWIR 30–180 mm (other lens options listed)	Pan 360° endless; tilt –45° to +45°; pan up to 40°/s, tilt up to 20°/s; ±0.01°	IP66; –40 to +60°C; 48 V DC; typical 80 W, max 210 W; 494×594×540 mm; <60 kg	10
Inspector P30	6–300 mm, 50× visible; LWIR 30–120 mm; optional IR illuminator 800 m, 850 nm	Pan 360° endless; tilt –90° to +40°; pan up to 100°/s, tilt up to 60°/s; ±0.02°	IP66; –40 to +60°C; 24 V DC; typical 30 W, max 75 W; 572×419×295 mm; <20 kg	12
Inspector R20	6.5–240 mm, 37× visible; LWIR 25–75 mm; optional 800 m illuminator	Pan 360° endless; tilt –90° to +40°; pan up to 100°/s, tilt up to 60°/s; ±0.02°	IP66; –40 to +60°C; 24 V DC; typical 30 W, max 75 W; 250×472×360 mm; <17 kg	13
Inspector T20	6.5–240 mm visible; LWIR 25/35/55 mm options; optional temperature measurement	Pan 360° endless; tilt –90° to +90°; pan up to 100°/s, tilt up to 60°/s; ±0.1°	IP67; –40 to +65°C; 24 V DC; typical 25 W, max 50 W; 332×245×276 mm; <7.5 kg	14
Inspector T10	4.7–150 mm, 32× visible; LWIR 9.1/25 mm options; temperature measurement optional	Pan 360° endless; tilt –90° to +90°; pan up to 100°/s, tilt up to 60°/s; ±0.1°	IP67; –40 to +60°C; 24 V DC; typical 20 W, max 40 W; 345×210×170 mm; <5 kg	15
Inspector V10	4.7–150 mm visible; LWIR 9.1/25 mm options; mobile camera; temp measurement optional	Pan 360° endless; tilt –20° to +90°; pan up to 100°/s, tilt up to 60°/s; ±0.1°	IP67; –30 to +60°C; 12 V DC; typical 19 W, max 22 W; Ø280×155 mm; <5 kg	16
Protector S10 Pro	4.7–150 mm, 32× visible; LWIR 9.1 mm; 500 m, 850 nm illuminator	Pan 360° endless; tilt –10° to +90°; pan up to 200°/s, tilt up to 120°/s; ±0.1°	IP66; –40 to +70°C; 24 V DC & PoE+; typical 7.5 W, max 19 W; Ø173×292 mm; <4 kg	18
Protector S10 Pro Panoramic	4.7–150 mm zoom + 4 mm/F1.0 panoramic lens; 500 m, 850 nm illuminator	Pan 360° endless; tilt –10° to +90°; pan up to 200°/s, tilt up to 120°/s; ±0.1°	IP66; –40 to +70°C; 24 V DC & PoE+; typical 7.5 W, max 19 W; Ø173×292 mm; <4 kg	19
Protector S10	4.7–150 mm, 32× visible; 150 m, 850 nm IR illuminator	Pan 360° endless; tilt –10° to +90°; pan up to 200°/s, tilt up to 120°/s; ±0.1°	IP66; –40 to +70°C; 24 V DC & PoE+; typical 7.5 W, max 19 W; Ø173×292 mm; <4 kg	20
Protector B10	8 mm/F1.2 visible; LWIR 9.1/13/19/25 mm options; 30 m, 850 nm IR illuminator	Fixed bullet camera; optional temperature measurement	IP67; –30 to +60°C; 24 V DC & PoE+; typical 3.4 W, max 4.8 W; 317.5×103×95.7 mm; <1.5 kg	21

Edge AI & Control Accessories

Editable specification tables transcribed from source pages 22–23

SVR6104 — COMPACT EDGE AI BOX

Parameter	Specification in source
CPU	ARM Octa-core Cortex A55, 1.6 GHz
NPU	4 TOPS
RAM / Flash	4 GB DDR4 / 32 GB eMMC
Built-in AI	Face detection, face recognition, perimeter intrusion detection, target classification
Open platform	Supports integration of custom AI algorithms; source lists Caffe, TensorFlow, PyTorch and ONNX
IP video input	4 channels
Decoding	4× 12MP@30fps; 6× 8MP@30fps
Display	1× HDMI, 4K/30Hz
Ethernet	WAN: 2× RJ45, 10/100/1000 Mbps; LAN: 4× RJ45, 10/100 Mbps
Expansion I/O	1× M.2 SSD slot; 1× MicroSD; USB 3.0 and USB 2.0
Audio / alarm	1× line out/mic in; 1× alarm out/in
Communication	2× RS485; 1× RS232; 2× TTL
Operating temperature	−30°C to +60°C
Power / dimensions	DC 12V/2A, ≤10 W; 134×147×48 mm

CONTROL KEYBOARDS

Model	Source description / features
V1	Network touch-screen control keyboard; Android; 10.1-inch LCD; 4D joystick PTZ control; decoding options listed in source; 1× HDMI 4K output; network/RS485; ONVIF & PELCO; up to 1024 devices; USB upgrade and external mouse.
E3	Network control keyboard; metal housing and 5-inch LCD; 4D joystick PTZ control; presets, tours and patterns; network/RS485; ONVIF & PELCO; up to 1024 devices; PoE.
C3	Compact control keyboard; 4D joystick PTZ control; presets, tours and patterns; network/RS485 optional; ONVIF & PELCO.

EDITORIAL REVIEW NOTES

Review optional/customizable features and model-specific ranges, sensors, laser options, thermal channels and power inputs against the exact purchased configuration; the source also notes that specifications may change without notice.

Source Reference — Page 1

Original supplied Security Camera Product Portfolio, 2025 H2



Source Reference — Page 2

Original supplied Security Camera Product Portfolio, 2025 H2

About OTL

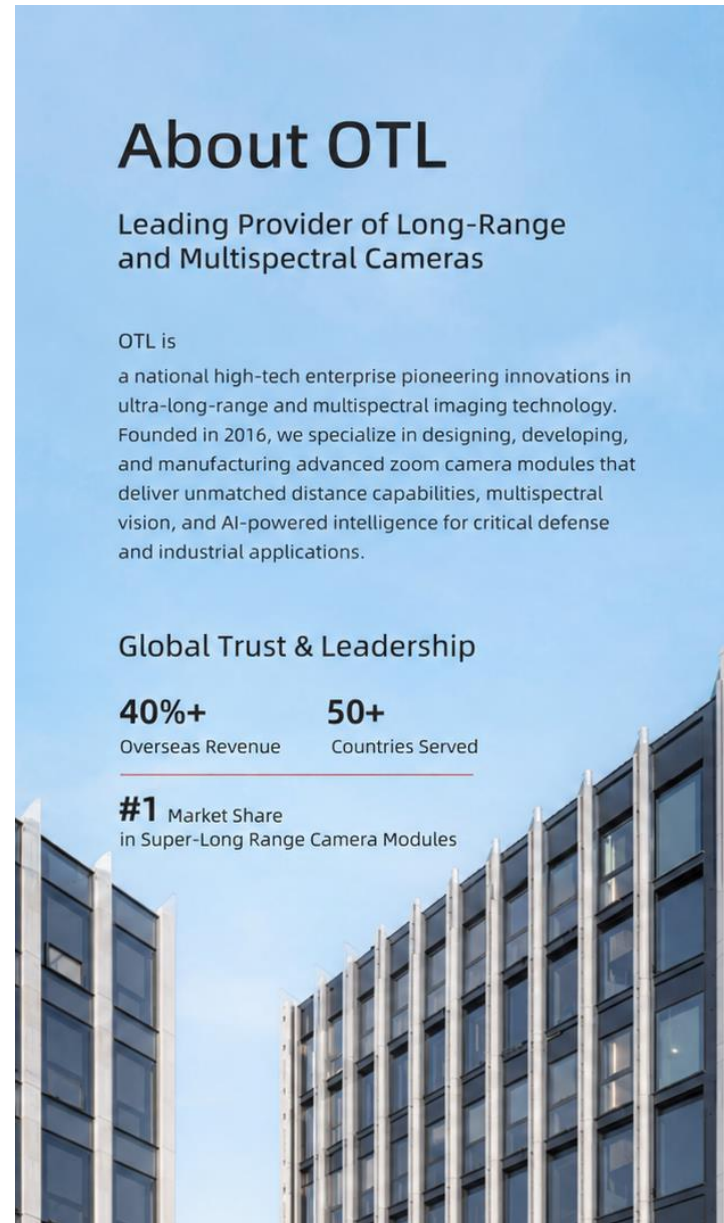
Leading Provider of Long-Range and Multispectral Cameras

OTL is a national high-tech enterprise pioneering innovations in ultra-long-range and multispectral imaging technology. Founded in 2016, we specialize in designing, developing, and manufacturing advanced zoom camera modules that deliver unmatched distance capabilities, multispectral vision, and AI-powered intelligence for critical defense and industrial applications.

Global Trust & Leadership

40%+ Overseas Revenue	50+ Countries Served
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#1 Market Share
in Super-Long Range Camera Modules



Why OTL? The Innovation Edge



Ultra-Long Range Dominance

- Industry-leading 20km imaging with 1200mm OIS zoom
- #1 global shipments for 750mm+ visible modules



All-Spectrum Target Acquisition

5-band fusion (VIS/NIR/SWIR/MWIR/LWIR) detects targets day/night through obscurants



AI-Powered Intelligence

- AI-ISP image enhancement (low-light/fog/heat-haze penetration)
- Active target discovery & auto-tracking with real-time analytics



Reliability by Design

- ISO9001 certified
- 60%+ R&D focus
- 60-80% profit reinvested in innovation

Source Reference — Page 3

Original supplied Security Camera Product Portfolio, 2025 H2



Defender Ultra

Engineered for ultra-long-range surveillance beyond 15KM, Defender Ultra series integrates top-tier visible/LWIR/MWIR/Laser technologies into robust, high-performance PTZ platform. Perfect for critical applications demanding unparalleled precision, reliability, and comprehensive situational awareness in extreme monitoring environments.



Defender Ultra P60C
Ultra-Long-Range Multispectral Positioning System



Multi-Spectral Fusion
Visible/NIR/Thermal/SWIR



Ultra-Long-Range
20km+ Effective Observation Range



Military Thermal
Φ250mm LWIR Lens
/ 20000h Cooled MWIR



Laser Range Finder
20km Max Range



Hyper-Precision PT System
100° /s High-Speed / 0.005° accuracy
/ 360° & 90°+90°



AI-Powered Vision
Real-time target detection/tracking
and AI-ISP image enhancement



Modular Design
Multiple visible, thermal, SWIR
alternatives and optional LRF, GPS, etc.



Military-level Protection
-40~60°C Operation, IP66, NEMA 4x
6000V Surge Protection

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (5MP/2.4MP Global Shutter CMOS optional)
	Lens	20 - 1200mm, 60x Optical zoom FoV: 22.1° x12.6° - 0.37° x0.21°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 1280x1024 12µm, NETD ≤ 35mK Spectral Band: 8 - 14µm
	LWIR Lens	50 - 350mm, 7x Continuous zoom FoV: 17.5° x14.0° - 2.51° x2.01°
	Cooled MWIR (Optional)	HgCdTe, 640x512 15µm, NETD ≤ 25mK Spectral Band: 3.7 - 4.8µm
	MWIR Lens	33 - 660mm, 20x Continuous zoom FoV: 16.5° x13.2° - 0.8° x0.7°
SWIR (Customizable)	Image Sensor	1/2" InGaAs, 1280x1024 5µm, 1000 - 1700nm
	Lens	17-510mm, 30x Optical zoom FoV: 21.3° x17.1° - 0.72° x0.58°
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.01° to 100° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.005°
Laser	Laser IR Illuminator (Optional)	Effective Range: 3000m, 808nm
	Laser Range Finder (Optional)	Max Range: 20km, 1535nm
Environmental	Protection	IP66, NEMA 4X
	Operating Temperature	-40° C to 60° C
	Power	48V DC, Typical: 50W, Max: 180W
	Dimensions	835.5x560x524.7mm
	Weight	<80kg



Defender P60B
Ultra-Long-Range Multispectral Positioning System



Multi-Spectral Fusion
Visible/NIR/Thermal



Ultra-Long-Range
20km+ Effective Observation Range



Hyper-Precision PT System
100° /s High-Speed / 0.005° accuracy
/ 360° & -90° +90°



Clear Image in Harsh Condition
OIS + EIS image stabilization
Anti heat-wave, Optical Defog



AI-Powered Vision
Real-time target detection/tracking
and AI-ISP image enhancement



Thermal Imaging
300mm MWIR, 225mm LWIR Optional



Modular Design
Multiple visible, thermal alternatives,
to meet different applications



Military-level Protection
-40~60°C Operation, IP66, NEMA 4x
6000V Surge Protection

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (5MP/2.4MP Global Shutter CMOS optional)
	Lens	20 - 1200mm, 60x Optical zoom FoV: 22.1° x12.6° - 0.37° x0.21°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 1280x1024 (640x512 optional) 12µm, NETD ≤ 35mK Spectral Band: 8 - 14µm
	LWIR Lens	25 - 225mm, 9x Continuous zoom FoV: 34.2° x27.6° - 3.91° x3.13°
	Cooled MWIR (Optional)	T2SL, 640x512 15µm, NETD ≤ 25mK Spectral Band: 3.7 - 4.8µm
	MWIR Lens	15 - 300mm, 20x Continuous zoom FoV: 35.5° x28.7° - 1.8° x1.5°
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.01° to 100° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.005°
Environmental	Protection	IP66, NEMA 4X
	Operating Temperature	-40° C to 60° C
	Power	48V DC, Typical: 40W, Max: 180W
	Dimensions	748x746x437mm
	Weight	<60kg



Defender Ultra V60

Ultra-Long-Range Multispectral Sphere Positioning System

- 

Multi-Spectral Fusion
Visible/NIR/Thermal
- 

Ultra-Long-Range
20km+ Effective Observation Range
- 

Laser Range Finder
20km Max Range
- 

Long-range MWIR
660mm MWIR
- 

Clear Image in Harsh Condition
OIS + EIS image stabilization
Anti heat-wave, Optical Defog
- 

Hyper-Precision PT System
80° /s High-Speed / 0.05° accuracy
/ 360° &-45° +45°
- 

Military-level Protection
-40~65°C Operation, IP66, NEMA 4x
6000V Surge Protection
Wind Resistance
- 

Gyro Stabilized PTU
Gyro Stabilizer optional to keep the PT
steady in vibration environment

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (5MP/2.4MP Global Shutter CMOS optional)
	Lens	20 - 1200mm, 60x Optical zoom FoV: 22.1° x12.6° - 0.37° x0.21°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Thermal	Cooled MWIR	HgCdTe, 640x512 15µm, NETD ≤ 25mK Spectral Band: 3.7 - 4.8µm
	MWIR Lens	33 - 660mm, 20x Continuous zoom FoV: 16.5° x13.2° - 0.8° x0.7°
Pan-Tilt	Range	Pan: 360° endless Tilt: -45° to 45°
	Speed	Pan: 0.01° to 80° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.05°
	Gyro Stabilization	Optional
Laser	Laser IR Illuminator (Optional)	Effective Range: 3000m, 808nm
	Laser Range Finder (Optional)	Max Range: 20km, 1535nm
Environmental	Protection	IP66, NEMA 4X, Wind Resistance
	Operating Temperature	-40° C to 65° C
	Power	48V DC, Typical: 50W, Max: 300W
	Dimensions	Φ780x940mm
	Weight	<100kg

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Original supplied Security Camera Product Portfolio, 2025 H2



Defender

Premium multi-spectral PTZ security cameras designed to provide early detection and super long range coverage in mission-critical applications under any weather conditions.



Defender Pro T40

Long-range Bispectral High Speed Positioning Camera

- 

Multi-Spectral Fusion
Visible/NIR/Thermal
- 

Long-Range
15km+ Effective Observation Range
- 

Light Weight
26kg Heavy-duty PTU
Easy Solo-installation
- 

Hyper-Precision PT System
120° /s High-Speed / 0.01° accuracy
/ 360° & -90° +90°
- 

Thermal Imaging
180mm LWIR enables 24 * 7
all-weather surveillance
- 

Clear Image in Harsh Condition
OIS + EIS image stabilization
Anti heat-wave, Optical Defog
- 

Military-level Protection
-40~70°C Operation, IP67, NEMA 4x
6000V Surge Protection
- 

Abundant Sensor
Available accessories including 6Km
LRF, GPS, Megnetic Compass, etc.

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (8MP STARVIS 2 CMOS / 3MP Global Shutter CMOS optional)
	Lens	15 - 775mm, 52x Optical zoom FoV: 29.1° x16.7° - 0.58° x0.33°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 1280x1024 (640x512 optional) 12μm, NETD ≤ 35mK Spectral Band: 8 - 14μm
	LWIR Lens	30 - 180mm, 6x Continuous zoom FoV: 28.7° x23.2° - 4.89° x3.91°
	Cooled MWIR	T2SL, 640x512 15μm, NETD ≤ 25mK Spectral Band: 3.7 - 4.8μm
	MWIR Lens	15 - 300mm, 20x Continuous zoom FoV: 35.49° x28.72° - 1.83° x1.47°
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.02° to 120° /s Tilt: 0.02° to 80° /s
	Accuracy	±0.01°
Laser	Laser Range Finder (Optional)	Max Range: 6km, 1535nm
Ancillary Sensors (Customizable)	GNSS	GPS/GLONASS/BeiDou
	eCompass	Electronic Compass
Environmental	Protection	IP67, NEMA 4X
	Operating Temperature	-40° C to 70° C
	Power	36V DC, Typical: 30W, Max: 120W
	Dimensions	540x368x355mm
	Weight	<26kg



Defender Pro T40L

Long-range High Speed Positioning Camera
with Laser Illuminator



Stabilized&Sharp Image
4Mp CMOS with 15-775mm OIS lens
provides stabilized sharp image



Long-Range
775mm focal length for 15km+
Observation Range



Light Weight
26Kg Heavy-duty PTU
Easy Solo-installation



Hyper-Precision PT System
120° /s High-Speed / 0.01° accuracy
/ 360° & -90° +90°



Laser Illuminator
3Km Laser IR Illuminator enhances
long inspection distance in
complete darkness



Military-level Protection
-40~70°C Operation, IP67, NEMA 4x
6000V Surge Protection
3-Axis 10~150Hz vibration



AI-Powered Vision
Real-time target detection/tracking
and AI-ISP image enhancement



Abundant Sensor
Available accessories including 6Km
LRF, GPS, Megnetic Compass, etc.

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (8MP STARVIS 2 CMOS / 3MP Global Shutter CMOS optional)
	Lens	15 - 775mm, 52x Optical zoom FoV: 29.1° x16.7° - 0.58° x0.33°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.02° to 120° /s Tilt: 0.02° to 80° /s
	Accuracy	±0.01°
Laser	Laser Illuminator	Effective Range: 3000m, 808nm
	Laser Range Finder (Optional)	Max Range: 6km, 1535nm
Ancillary Sensors (Customizable)	GNSS	GPS/GLONASS/BeiDou
	eCompass	Electronic Compass
Environmental	Protection	IP67, NEMA 4X
	Operating Temperature	-40° C to 70° C
	Power	36V DC, Typical: 30W, Max: 120W
	Dimensions	540x368x355mm
	Weight	<26kg



Defender R30
Long-range Bispectral High Speed Positioning Camera

- 

Multi-Spectral Fusion
Visible/NIR/Thermal
- 

Thermal Imaging
225mm/180mm Optional LWIR
- 

Clear Image in Harsh Condition
OIS + EIS image stabilization
Anti heat-wave, Optical Defog
- 

Long-Range
775mm focal length for 15km+
Observation Range
- 

Laser Illuminator
3Km Laser IR Illuminator enhances
long inspection distance in
complete darkness
- 

Hyper-Precision PT System
40° /s High-Speed / 0.01° accuracy
/ 360° &-45° +45°
- 

AI-Powered Vision
Real-time target detection/tracking
and AI-ISP image enhancement
- 

Robust & Durable
-40~60°C Operation, IP66
Wiper & Heater

Specs

Visible	Image Sensor	1 / 1.8 " 4MP STARVIS CMOS, 2688x1520 (8MP STARVIS 2 CMOS / 3MP Global Shutter CMOS optional)
	Lens	15 - 775mm, 52x Optical zoom FoV: 29.1° x16.7° - 0.58° x0.33°
	Defog	Optical (NIR) + Digital
	Image Stabilization	OIS (Optional)+EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 1280x1024 (640x512 optional) 12µm, NETD ≤ 35mK Spectral Band: 8 - 14µm
	LWIR Lens	30 - 180mm, 6x Continuous zoom (30 - 150mm / 25 - 225mm optional) FoV: 28.7° x23.2° - 4.89° x3.91°
Pan-Tilt	Range	Pan: 360° endless Tilt: -45° to 45°
	Speed	Pan: 0.01° to 40° /s Tilt: 0.01° to 20° /s
	Accuracy	±0.01°
Laser	Laser Illuminator	Effective Range: 3000m, 808nm
Environmental	Protection	IP66
	Operating Temperature	-40° C to 60° C
	Power	48V DC, Typical: 80W, Max: 210W
	Dimensions	494x594x540mm
	Weight	<60kg

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Original supplied Security Camera Product Portfolio, 2025 H2



Inspector

Versatile and adaptable, Inspector series offers multi-spectral PTZ cameras designed for diverse installation environments. Delivering reliable, all-weather performance, it ensures seamless medium to long-range surveillance coverage with a single device, ideal for a wide range of monitoring needs.



Inspector P30
Mid-range Bispectral High Speed Positioning Camera

- 

Multi-Spectral Fusion
Visible/NIR/Thermal
- 

Mid Range Inspection
5km+ Effective Observation Range
- 

Hyper-Precision PT System
100° /s High-Speed / 0.02° accuracy
/ 360° & -90° +40°
- 

Thermal Imaging
120mm/75mm Optional LWIR
- 

See Clearly in Fog
Optical (NIR) + Digital Defog
- 

Laser Illuminator
800m Laser IR Illuminator enhances
inspection in complete darkness
- 

AI-Powered Vision
Real-time target detection/tracking
and AI-ISP image enhancement
- 

Robust & Durable
-40~60°C Operation, IP66
Wiper & Heater

Specs

Visible	Image Sensor	1/1.8 " 8MP STARVIS 2 CMOS, 3840x2160 (4MP STARVIS CMOS / 3MP Global Shutter CMOS optional)
	Lens	6 - 300mm, 50x Optical zoom (6 - 400mm@4MP / 6 - 540mm@2MP Fusion Zoom optional) FoV: 65.2° x39.6° - 1.47° x0.83°
	Defog	Optical (NIR) + Digital
	Image Stabilization	EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 1280x1024 (640x512 Optional) 12µm, NETD ≤ 35mK Spectral Band: 8 - 14µm
	LWIR Lens	30 - 120mm, 4x Continuous zoom (25 -75mm / 100mm / 75mm optional) FoV: 28.7° x23.2° - 7.32° x5.86°
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 40°
	Speed	Pan: 0.01° to 100° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.02°
Laser	Laser Illuminator	Effective Range: 800m, 850nm (1500mm, 808nm/940nm optional)
Environmental	Protection	IP66
	Operating Temperature	-40° C to 60° C
	Power	24V DC, Typical: 30W, Max: 75W
	Dimensions	572x419x295mm
	Weight	<20kg



Inspector R20
Mid-range Bispectral High Speed Positioning Camera



Multi-Spectral Fusion
Visible/NIR/Thermal



Mid Range Inspection
3km+ Effective Observation Range



Hyper-Precision PT System
100° /s High-Speed / 0.02° accuracy
/ 360° & -90° +40°



Laser Illuminator
800m Laser IR Illuminator enhances
inspection in complete darkness



Ultra-high resolution
4K Image Sensor Optional



See Clearly in Fog
Optical (NIR) + Digital Defog



Robust & Durable
-40~60°C Operation, IP66
Wiper & Heater



Thermal Imaging
25-75mm LWIR

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (8MP STARVIS 2 CMOS optional)
	Lens	6.5 - 240mm, 37x Optical zoom FoV: 61.9° x37.4° - 1.9° x1.0°
	Defog	Optical (NIR) + Digital
	Image Stabilization	EIS
Thermal / Laser (Select one)	Uncooled LWIR	VOx Microbolometer, 640x512 12µm, NETD ≤ 40mK Spectral Band: 8 - 14µm
	LWIR Lens	25 - 75mm, 3x Continuous zoom (75mm optional) FoV: 17.5° x14.1° - 5.86° x4.69°
	Laser Illuminator	Effective Range: 800m, 850nm (1500mm, 808nm/940nm optional)
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 40°
	Speed	Pan: 0.01° to 100° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.02°
Environmental	Protection	IP66
	Operating Temperature	-40° C to 60° C
	Power	24V DC, Typical: 30W, Max: 75W
	Dimensions	250x472x360mm
	Weight	<17kg



Inspector T20

Mid-range Bispectral High Speed Positioning Camera



Multi-Spectral Fusion
Visible/NIR/Thermal



Mid Range Inspection
3km+ Effective Observation Range



Hyper-Precision PT System
100° /s High-Speed / 0.02° accuracy
/ 360° & -90° +90°



Laser Illuminator(Optional)
800m Laser IR Illuminator enhances
inspection in complete darkness



Temperature Measurement
Long range temperature measurement
with ±3% or ±3°C accuracy



Ultra-high resolution
4K Image Sensor Optional



Thermal Imaging
25/35/55mm Athermalized LWIR Optional



Robust & Durable
-40°C ~65°C Operation, IP67
Wiper & Heater

Specs

Visible	Image Sensor	1/1.8 " 4MP STARVIS CMOS, 2688x1520 (8MP STARVIS 2 CMOS optional)
	Lens	6.5 - 240mm, 37x Optical zoom FoV: 61.9° x37.4° - 1.9° x1.0°
	Defog	Optical (NIR) + Digital
	Image Stabilization	EIS
Thermal / Laser (Select one)	Uncooled LWIR	VOx Microbolometer, 640x512 12µm, NETD ≤ 40mK Spectral Band: 8 - 14µm
	LWIR Lens	25mm / 35mm / 55mm FoV: 17.4° x 14° / 12.5° x 10° / 8.0° x 6.4°
	Temperature Measurement(Optional)	Accuracy: ±3°C , ±3%, Range: -20°C to+150°C , +100°C to +550°C (25mm / 35mm)
	Laser Illuminator	Effective Range: 800m, 850nm (1500mm, 808nm/940nm optional)
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.01° to 100° /s Tilt: 0.01° to 60° /s
	Accuracy	±0.1°
Environmental	Protection	IP67
	Operating Temperature	-40° C to 65° C
	Power	24V DC, Typical: 25W, Max: 50W
	Dimensions	332x245x276mm
	Weight	<7.5kg



Inspector T10

Compact Bispectral High Speed Positioning Camera



Bi-Spectral Fusion
Visible/NIR/Thermal



Mid Range Inspection
1 km+ Effective Observation Range



High-Speed PT System
100° /s High-Speed / 0.1° accuracy
/ 360° & -90° +90°



Laser Illuminator(Optional)
800m Laser IR Illuminator enhances
inspection in complete darkness



Temperature Measurement
Long range temperature measurement
with ±3% or ±3°C accuracy



Robust & Durable
-40~60°C Operation, IP67
Wiper & Heater



Ultra-high resolution
4K Image Sensor Optional



Thermal Imaging
9.1/25mm Athermalized LWIR Optional

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920 (8MP@20x STARVIS 2 CMOS optional)
	Lens	4.7 - 150mm, 32x Optical zoom FoV: 57.1° x44.4° - 1.96° x1.47°
	Defog	Digital
	Image Stabilization	EIS
Thermal / Laser (Select one)	Uncooled LWIR	VOx Microbolometer, 640x512 12µm, NETD ≤ 40mK Spectral Band: 8 - 14µm
	LWIR Lens	9.1mm / 25mm FoV: 48.1° x38.4° / 17.4° x 14°
	Temperature Measurement(Optional)	Accuracy: ±3°C , ±3%, Range: -20°C to+150°C , +100°C to +550°C (25mm)
	Laser Illuminator	Effective Range: 800m, 850nm
Pan-Tilt	Range	Pan: 360° endless Tilt: -90° to 90°
	Speed	Pan: 0.1° to 100° /s Tilt: 0.1° to 60° /s
	Accuracy	±0.1°
Environmental	Protection	IP67
	Operating Temperature	-40° C to 60° C
	Power	24V DC, Typical: 20W, Max: 40W
	Dimensions	345x210x170mm
	Weight	<5kg



Inspector V10
Compact Bispectral High Speed Mobile Camera



Bi-Spectral Fusion
Visible/Thermal



Mid Range Inspection
1km+ Effective Observation Range



Hyper-Precision PT System
100° /s High-Speed / 0.1° accuracy /
360° & -20° +90°



Laser Illuminator(Optional)
800m Laser IR Illuminator enhances
inspection in complete darkness



Temperature Measurement
Long range temperature measurement
with ±3% or ±3°C accuracy



Flexible Installation
Upside-down installable



Robust & Durable
-30~60°C Operation, IP67



Thermal Imaging
9.1/25mm Athermalized LWIR Optional

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920 (8MP@20x STARVIS 2 CMOS optional)
	Lens	4.7 - 150mm, 32x Optical zoom FoV: 57.1° x44.4° - 1.96° x1.47°
	Defog	Digital
	Image Stabilization	EIS
Thermal / Laser (Select one)	Uncooled LWIR	VOx Microbolometer, 640x512 12µm, NETD ≤ 40mK Spectral Band: 8 - 14µm
	LWIR Lens	9.1mm / 25mm FoV: 48.1° x38.4° / 17.4° x 14°
	Temperature Measurement(Optional)	Accuracy: ±3°C , ±3%, Range: -20°C to+150°C , +100°C to +550°C (25mm)
	Laser Illuminator	Effective Range: 800m, 850nm
Pan-Tilt	Range	Pan: 360° endless Tilt: -20° to 90°
	Speed	Pan: 0.1° to 100° /s Tilt: 0.1° to 60° /s
	Accuracy	±0.1°
Environmental	Protection	IP67
	Operating Temperature	-30° C to 60° C
	Power	12V DC, Typical: 19W, Max: 22W
	Dimensions	Φ280x155mm
	Weight	<5kg

Source Reference — Page 17

Original supplied Security Camera Product Portfolio, 2025 H2



Protector

A series of network security cameras with exceptional image performance and identification capabilities, perfect co-pilot for perimeter surveillance at critical infrastructure sites and remote facilities.



Protector S10 Pro
Compact Bispectral IR PTZ Dome Camera

- 

Bi-Spectral Fusion
Visible/Thermal
- 

Full Color Image
Sony STARVIS2 sensor
- 

High-Speed PT System
200° /s High-Speed / 0.1° accuracy /
360° & 10° +90°
- 

Laser Illuminator
500m Laser IR Illuminator enhances
inspection in complete darkness
- 

Flexible Installation
Supports Wall/Pole/Ceiling mount
- 

Active Deterrence
Alarm with red-blue flash and speaker
- 

Robust & Durable
-40~70°C Operation, IP66
- 

AI Smart Tracking
Auto detection and smart tracking
with AI analytics

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920 (8MP@20x STARVIS 2 CMOS optional)
	Lens	4.7 - 150mm, 3.2x Optical zoom FoV: 57.1°x44.4° - 1.96°x1.47°
	Defog	Digital
	Image Stabilization	EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 640x512 12μm, NETD ≤ 40mK Spectral Band: 8 - 14μm
	LWIR Lens	9.1mm FoV: 48.1°x38.4°
Pan-Tilt	Range	Pan: 360° endless Tilt: -10° to 90°
	Speed	Pan: 0.1° to 200° /s Tilt: 0.1° to 120° /s
	Accuracy	±0.1°
Laser	Laser IR Illuminator	Effective Range: 500m, 850nm
	Protection	IP66
	Operating Temperature	-40° C to 70° C
Environmental	Power	24V DC & PoE+, Typical: 7.5W, Max: 19W
	Mounting Bracket	Wall mount, Pole mount, Junction box 3-in-1 bracket
	Dimensions	Φ173x292 mm
	Weight	<4kg



Protector S10 Pro

Compact Panoramic IR PTZ Dome Camera



Wider & Deeper
All-in-one design with panoramic fixed lens + zoom lens



AI Smart Tracking
Auto detection and smart tracking with AI analytics



High-Speed PT System
200° /s High-Speed / 0.1° accuracy / 360° & -10° +90°



Laser Illuminator
500m Laser IR Illuminator enhances inspection in complete darkness



Flexible Installation
Supports Wall/Pole/Ceiling mount



Active Deterrence
Alarm with red-blue flash and speaker



Robust & Durable
-40~70°C Operation, IP66



Full Color Image
Sony STARVIS2 sensor

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920 (8MP@20x STARVIS 2 CMOS optional)
	Lens	4.7 - 150mm, 32x Optical zoom FoV: 57.1°x44.4° - 1.96° x1.47°
	Defog	Digital
	Image Stabilization	EIS
Panoramic	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920
	Lens	4mm/F1.0, Full-Color FoV: 78.8° x 55.8°
Pan-Tilt	Range	Pan: 360° endless Tilt: -10° to 90°
	Speed	Pan: 0.1° to 200° /s Tilt: 0.1° to 120° /s
	Accuracy	±0.1°
Laser	Laser IR Illuminator	Effective Range: 500m, 850nm
	Protection	IP66
	Operating Temperature	-40° C to 70° C
Environmental	Power	24V DC & PoE+, Typical: 7.5W, Max: 19W
	Mounting Bracket	Wall mount, Pole mount, Junction box 3-in-1 bracket
	Dimensions	Φ173x292 mm
	Weight	<4kg



Protector S10
Compact IR PTZ Dome Camera

- 

Compact & Economic
All-in-one design with cost-effective competence
- 

Full Color Image
Sony STARVIS2 sensor
- 

High-Speed PT System
200° /s High-Speed / 0.1° accuracy / 360° & -10° +90°
- 

IR Illuminator
150m Laser IR Illuminator enhances inspection in complete darkness
- 

AI-Powered Vision
Real-time target detection/tracking and AI-ISP image enhancement
- 

AI Smart Tracking
Auto detection and smart tracking with AI analytics
- 

Ultra-high resolution
4K Image Sensor Optional
- 

Robust & Durable
-40~70°C Operation, IP66

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS 2 CMOS, 2560x1920 (2MP / 8MP@20x STARVIS 2 CMOS optional)
	Lens	4.7 - 150mm, 32x Optical zoom FoV: 57.1° x44.4° - 1.96° x1.47°
	Defog	Digital
	Image Stabilization	EIS
Pan-Tilt	Range	Pan: 360° endless Tilt: -10° to 90°
	Speed	Pan: 0.1° to 200° /s Tilt: 0.1° to 120° /s
	Accuracy	±0.1°
Illuminator	IR Illuminator	150m, 850nm
Environmental	Protection	IP66
	Operating Temperature	-40° C to 70° C
	Power	24V DC & PoE+, Typical: 7.5W, Max: 19W
	Dimensions	Φ173x292 mm
	Weight	<4kg



Protector B10
Compact Bispectral IR Bullet Camera

- 

Temperature Measurement
Long range temperature measurement with ±3% or ±3°C accuracy
- 

Compact & Economic
All-in-one design with cost-effective competence
- 

IR Illuminator
30m IR Illuminator enhances inspection in complete darkness
- 

True 24/7 Surveillance
Visible + Thermal for surveillance on both days and nights.
- 

Bi-Spectral Fusion
Visible/Thermal
- 

Active Deterrence
Alarm with flash and speaker
- 

Robust & Durable
-30~60°C Operation, IP66
- 

Easy Installation
Easy installation with PoE

Specs

Visible	Image Sensor	1/2.8 " 5MP STARVIS CMOS, 2560x1920
	Lens	8mm / F1.2 FoV: 35.4° x 26.9°
	Defog	Digital
	Image Stabilization	EIS
Thermal	Uncooled LWIR	VOx Microbolometer, 640x512 12µm, NETD ≤ 40mK Spectral Band: 8 ~ 14µm
	LWIR Lens	9.1mm / 13mm / 19mm / 25mm FoV: 48.1° x38.4° / 33° x26° / 22° x18° / 17.4° x 14°
	Temperature Measurement (Optional)	Accuracy: ±3°C , ±3%, Range: -20°C to+150°C , +100°C to +550°C (13mm / 19mm / 25mm)
Illuminator	IR Illuminator	30m, 850nm
Environmental	Protection	IP67
	Operating Temperature	-30° C to 60° C
	Power	24V DC & PoE+, Typical: 3.4W, Max: 4.8W
	Dimensions	317.5x103x95.7mm
	Weight	<1.5kg

Source Reference — Page 22

Original supplied Security Camera Product Portfolio, 2025 H2



SVR6104

Compact Edge AI Box



High Computing Power
Built with 4T@INT8



Large SSD
Support SSD capacity upto 2TB



Multi-spectral Compatibility
Support integration with video of visible/SWIR/thermal



Open AI Platform
Caffe/TensorFlow/PyTorch/ONNX
Support customizable AI Integration



Abundant Interfaces
GigE*2, 100M Ethernet*4, Audio in/
out, USB, RS232/RS485/TTL/Alarm,
HDMI, TF card



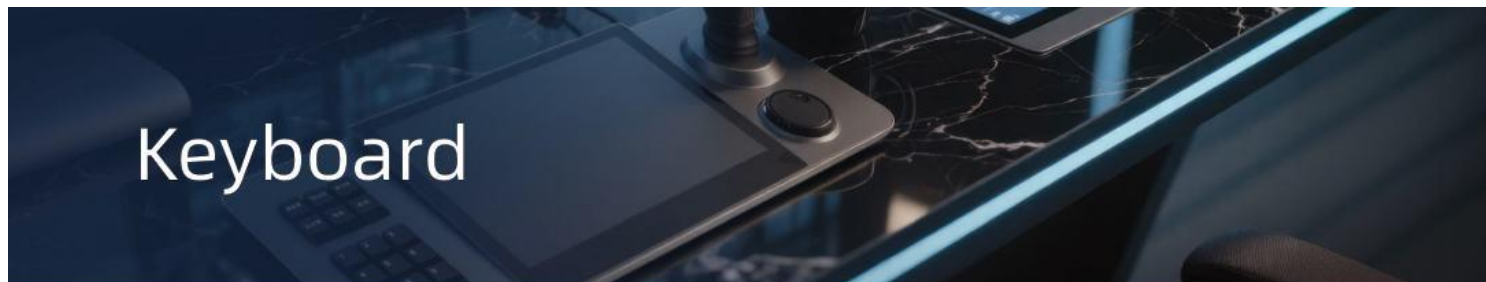
Industrial Design
-30~60°C Operation
≤ 10W Power consumption

Specs

System	CPU	ARM Octa-core Cortex A55 1.6GHz
	NPU	4 Tops
	RAM	4 GB DDR4
	Flash	32 GB eMMC
Intelligent Analytics	Built-in AI	Face Detection Face Recognition Perimeter Intrusion Detection Target Classification
	Open Platform	Support integration of custom AI algorithms
	IP Video Input	4 ch
Video	Decoding	4x 12MP@30fps, 6x 8MP@30fps
	Display	1x HDMI, 4K/30Hz
Ethernet	WAN	2x RJ45, 10/100/1000 Mbps
	LAN	4x RJ45, 10/100 Mbps
Expansion I/O	Edge Storage	1x M.2 Slot SSD 1x MicroSD
	USB	1x USB 3.0 1x USB 2.0
	Audio	1x Line out/Mic in
	Alarm	1x Out/In
	Communication	2x RS485 1x RS232 2x TTL
	Operating Temperature	-30° C to 60° C
Environmental	Power	DC12V/2A, ≤ 10W
	Dimensions	134x147x48mm

Source Reference — Page 23

Original supplied Security Camera Product Portfolio, 2025 H2



V1

Network Touch Screen Control Keyboard

- Android operating system
- 10.1" touch screen LCD
- 4D joystick PTZ Control and fast target positioning
- Support up to 1ch 4K@30fps(H.265), 1ch 1080P@60fp/ 4ch 720P@30fps(H.264) decoding
- Support 1ch HDMI 4K output
- Support PTZ control, Preset, Tour and Pattern setting and calling
- Support Network and RS485 connection
- Support ONVIF & PELCO protocol and up to 1024 devices
- Support USB upgrade and external mouse



E3

Network Control Keyboard

- Metal housing and 5" LCD
- 4D joystick PTZ Control and fast target positioning
- Support PTZ control, Preset, Tour and Pattern setting and calling
- Support Network and RS485 connection
- Support ONVIF & PELCO protocol and up to 1024 devices
- Support PoE power supply



C3

Compact Control Keyboard

- 4D joystick PTZ Control and fast target positioning
- Support PTZ control, Preset, Tour and Pattern setting and calling
- Support Network and RS485 optional
- Support ONVIF & PELCO protocol



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