A.I.

NDAA Compliant

Smart IR

AI Motorized V.F. Bullet IR Network Camera

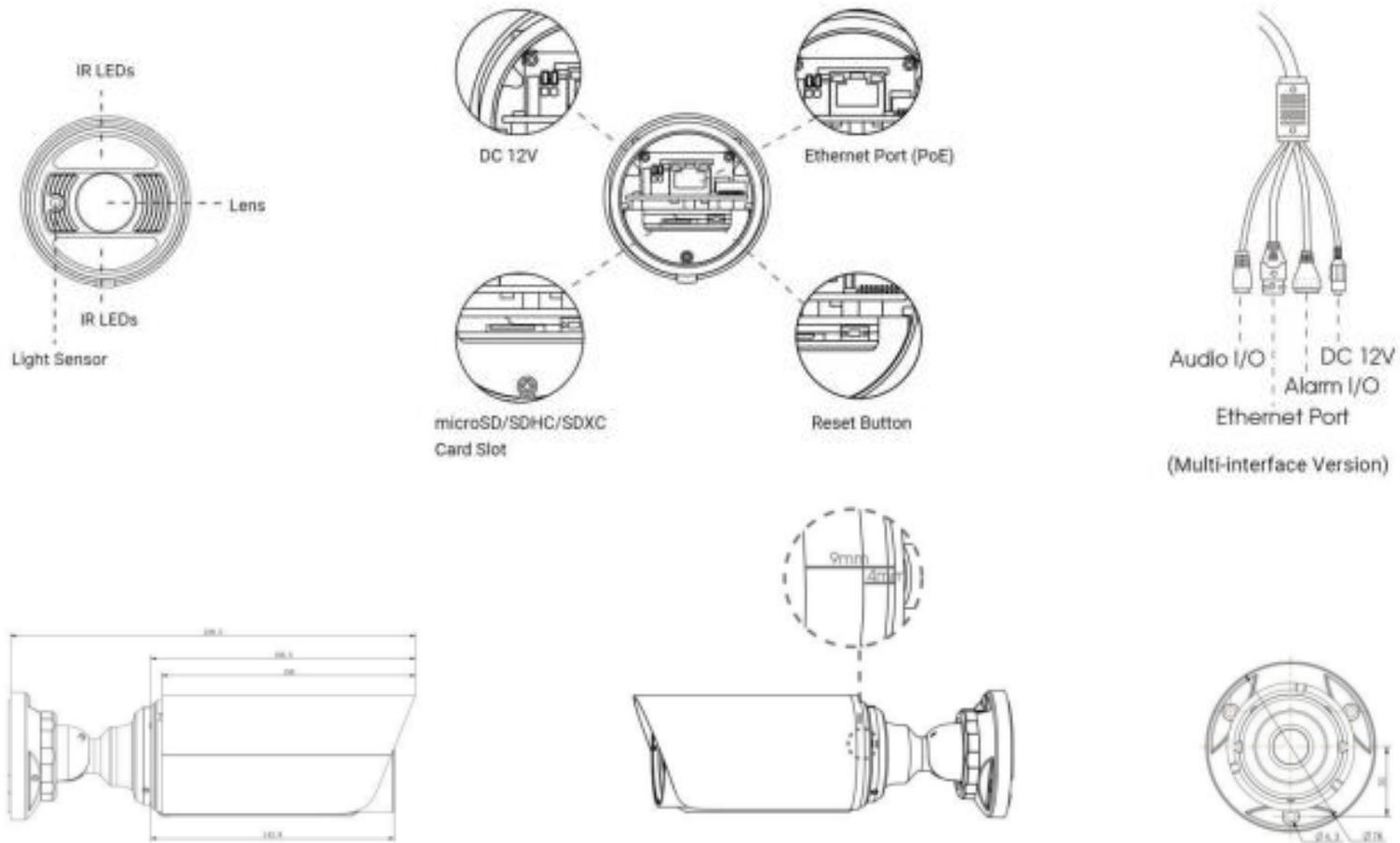**XCore** Technology

Fine quality made in Taiwan

Features

★ 5MP SONY Starvis back-illuminated CMOS sensor, NDAA compliant.

★ Smart IR, combines high and low beams to adjust intensity for different lighting conditions.

★ Support H.264 / H.264+ / H.265 (HEVC) / H.265+ / MJPEG compression format.

★ Built-in motorized auto focus 2.7~13.5mm 5X zoom lens (Optional 7~22 mm).

★ Support 120dB HDR, 3DNR, BLC, AWB and Defog technology to restore clear images in foggy days.

★ Support 30fps high frame rate, easy to capture images without lag in high-speed motion.

★ Support Micro SD/SDHC/SDXC card storage up to 1TB.

★ Support API / ONVIF (G/Q/S/T) protocol.

★ AI Deep Learning, built-in multiple intelligent analysis functions.

★ Support RJ45 10/100M, built-in POE 802.3af network power supply.

★ Support mobile monitoring (iPhone / iPad / Android / Android Pad).

★ Support various browsers (IE8~11 / Chrome / Firefox / Safari) and client software (VMS).

★ SIP (Session Initiation Protocol) provides audio/alarm/intercom & video streaming for mobile & video telephony.

★ IK10 vandal-proof & IP67 weatherproof housing.

★ Enable Smart Stream to save bandwidth, storage space and bit rate (ex: H.265+ saves 70%~80% bandwidth compared to H.264)

★ Support NAS (NFS/SMB/CIFS) network storage / ANR.

Specifications

Model No.	NS5B4R
CMOS Image Sensor	1/2.8" 5MP SONY Starvis Back Illuminated CMOS Sensor
Effective Pixels (HxV)	2592x1944
Compression Format	H.264 / H.264+ / H.265 (HEVC) / H.265+ / MJPEG
Video Format Standard	NTSC / PAL
Elec. Shutter Speed	1/100,000s
Minimum Illumination	0.005 LUX @F1.4 / 0 LUX @ IR
S/N Ratio	$\geq$ 55 dB
Wide Dynamic Range	120dB
System Scan	Progressive
Video Output	Network
Lens Furnished	5MP HD Motorized Vari-Focal Auto Focus 2.7~13.5mm 5X zoom lens (Optional 7~22mm)
Focus Control	Manual / Auto
Angle of View	2.7~13.5mm: H99~31°/D124~38°/V72~23° / 7~22mm: H37~15°/D46~19°/V28~11°
Day & Night	Day / Night / Auto / Custom / Schedule
IR Projection Distance	> 50M
Main Stream	60Hz: 30fps@2592x1944 / 2592x1520; 45fps@2048x1536; 60fps@1920x1080 / 1280x960 / 1280x720 50Hz: 25fps@2592x1944 / 2592x1520; 45fps@2048x1536; 50fps@1920x1080 / 1280x960 / 1280x720
Sub Stream	60Hz: 60fps@704x576 / 640x480 / 640x360 / 352x288 / 320x240 50Hz: 50fps@704x576 / 640x480 / 640x360 / 352x288 / 320x240
3rd Stream	60Hz: 30fps@1920x1080 / 1280x720 / 704x576 / 640x480 / 640x360 / 320x240 50Hz: 25fps@1920x1080 / 1280x720 / 704x576 / 640x480 / 640x360 / 320x240
Video Bit Rate	16Kbps~16Mbps (CBR/VBR adjustable)
Image Mask	Up to 8 areas
ROI (Region of Interest)	Up to 8 zones
Image Configuration	Brightness / Contrast / Saturation / Sharpness
Ethernet	1*RJ-45 10/100M

Network Storage	NAS (Supports NFS, SMB / CIFS) / Internet-disconnected Smart Recording (ANR)
Network Protocol	IPv4/IPv6 / ARP / TCP / UDP / RTCP / RTP / RTSP / RTMP / HTTPS / DNS / DDNS / DHCP / FTP / NTP / SMTP / SNMP / UpnP / Bonjour / SIP / PPPoE / VLAN / 802.1x / QoS / IGMP / ICMP / SSL / TLS 1.2
Intelligent Analysis	Region Entrance / Region Exiting / Advanced Motion Detection / Tamper Detection / Line Crossing / Loitering / Object Left / Object Removed
Advanced Functions	Heat Map / BLC / HLC / 2D DNR / 3D DNR / Defog / AWB / IP Address Filtering / AGC / Anti-Flicker / Corridor Mode / Deblur / Watermark
Face Detection	Detect and capture faces, get real-time snapshots
People Counting & Report	Count the number of people entering or exiting, up to 4 detection areas for regional people counting
SIP/VoIP	Support
Audio	Multi-Interface Version: 1CH input / 1CH output; Bit Rate: 16~256kbps; Compression: G711/AAC/G722/G726; Sample Rate: 8/16/32/44.1/48KHz
Two-way Audio	Support
Alarm	Multi-Interface Version: 1CH input / 1CH output
Memory Card Slot	Support Micro SD / SDHC / SDXC Card Local Storage (Up to 1TB)
Event Trigger	Motion Detection / Network Disconnection, etc.
Event Action	FTP Upload / SMTP Upload / SD Card Record / SIP Phone / HTTP Notification, etc.
Housing Material	Metal IK10 Vandal-proof & IP67 Weatherproof
Operating Environment	Temperature: -40°C to 60°C (-40°F to 140°F) / Humidity: 0~95% Non-condensing
Protocol	API / ONVIF Profile (G/Q/S/T)
Power Supply	DC12V±10%, Built-in POE, Support 802.3af
Power Consumption	Max. 6W / 9W (IR On)
P2P	Support
Dimensions (mm)	76(D) x 239.5(L)mm
Weight (g)	825g

Dimensions

IR LEDs

Lens

IR LEDs

Light Sensor

DC 12V

Ethernet Port (PoE)

microSD/SDHC/SDXC Card Slot

Reset Button

Audio I/O

DC 12V

Alarm I/O

Ethernet Port

(Multi-interface Version)

9mm
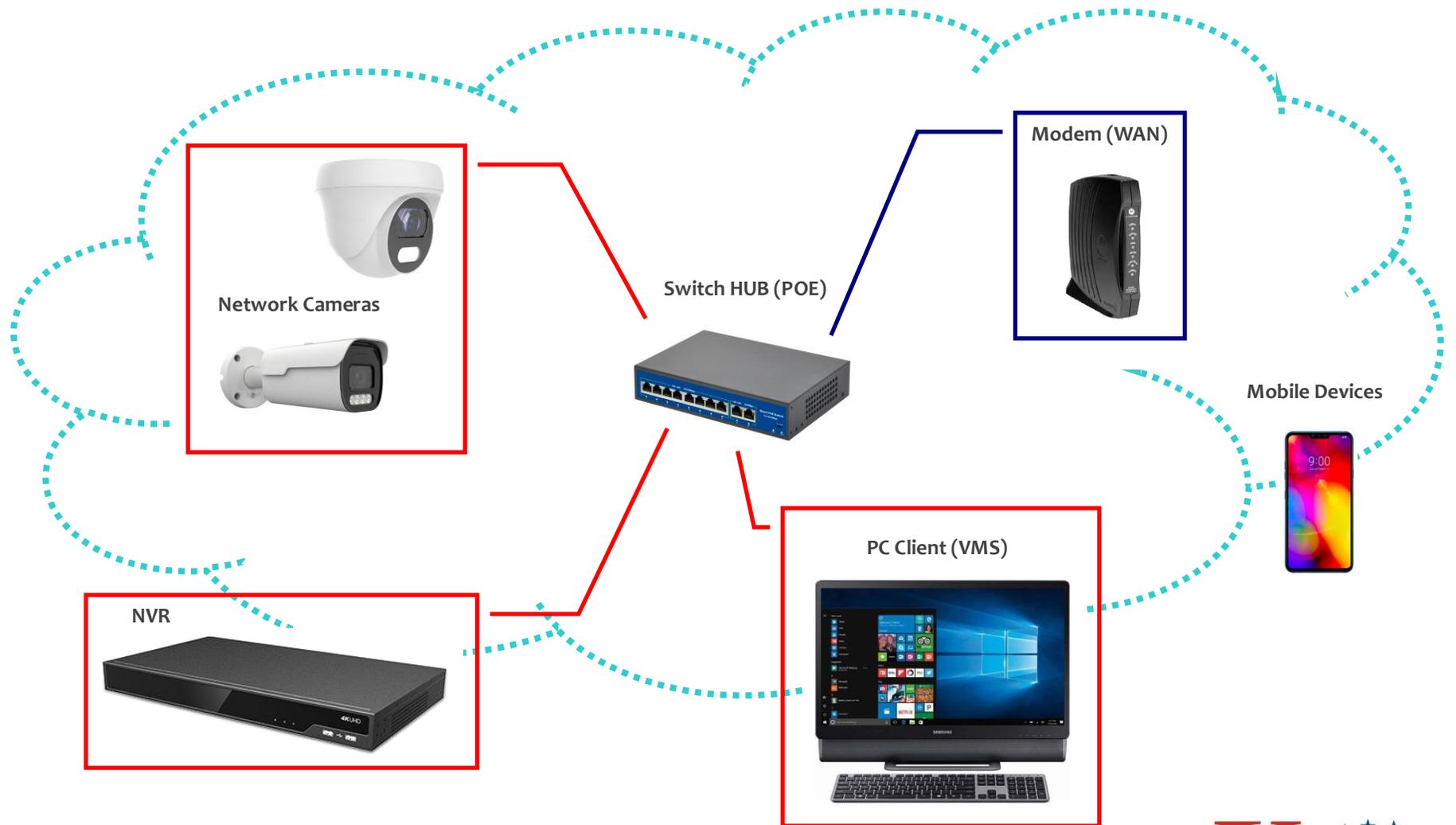

Optional Junction Box
- ★ **Model No.:** XPBS4J
- ★ **Weight:** 620g
- ★ **Dimension:** 134 x 126 x 40 mm
- ★ **Installation Environment:** For the containing of electrical connections which need to be concealed from sight and deter tampering

Infrastructure

Network Cameras

Switch HUB (POE)

Modem (WAN)

Mobile Devices

NVR

PC Client (VMS)

Slight specification variations may occur due to product enhancement to optimize functionality

XCore
Technology