



## VIS-P4BXIR6TH7NH

4 Megapixel IP Plug & Play, Outdoor Thermal Bullet, Fixed Lens, IR Range up to 164', WDR, Built-in Mic + Speaker, SD Card Slot, 12VDC/PoE

### Features

- Optical/Thermal: True AI Human and Vehicle Classification for Line Crossing and Intrusion Detection
- Supports Native Chrome/Edge Use
- 4 Megapixel Resolution Fixed Optical Lens 6mm, 720p Fixed Thermal Lens 7mm
- True Day/Night with IR Range up to 164'
- 30 FPS Recording and Live
- True WDR
- Micro SD Slot: Up to 256GB
- Audio Input: Built-in Mic
- Audio Output: Built-in Speaker
- Vanadium Oxide Uncooled Focal Plane Arrays with 256x192 resolution
- IP67 Weather proof
- IK10 Vandal Resistant
- DC12V/PoE Operation
- ONVIF
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) for PC/MAC

Camera	
Sensor—Optical	1/2.8"CMOS
Min. Illumination (Optical)	Colour: 0.003 lux (F1.6, AGC ON) B/W: 0.002 lux(F1.6,AGC ON) 0 lux with IR
Day/Night (Optical)	IR-cut filter with auto switch (ICR)
Sensor (Thermal)	Vanadium Oxide Uncooled Focal Plane Arrays
Original Resolution (Thermal)	256*192
NETD	<50 mk @F1.0 @25 °C
Shutter	Auto/Manual, 1 ~ 1/100000s
WDR	120dB
S/N	>56dB
Lens	
Lens type (Optical)	6.0mm
Iris (Optical)	F1.6
Lens type (Thermal)	7.0mm
DORI	
Detect (Optical)	442.9ft (135.0m)
Observe (Optical)	177.2ft (54.0m)
Recognize (Optical)	88.6ft (27.0m)
Identify (Optical)	44.3ft (13.5m)
Illuminator	
Light On/Off Control	Auto/Manual
IR range (Optical)	164' (50m)
Wavelength (Optical)	750nm
Video	
Video Compression	Ultra 265; H.265; H.264; MJPEG
Video Resolution (Optical)	4MP(2688*1520), Max 30fps
Video Resolution (Thermal)	720P(1280*720), Max 30fps
Video Bit Rate	128 Kbps~16 Mbps
ROI	Up to 8 areas
Video stream	Triple streams
OSD	Up to 8 OSDs
Privacy Mask	Up to 8 areas(8 blacks/8 mosaics)
Image	
White Balance	Auto; Outdoor; Fine Tune; Sodium Lamp; Locked; Auto2
Digital noise reduction	2D/3D DNR
Flip	Normal; Flip Vertical; Flip Horizontal; 180°; 90°Clockwise; 90°Anti-clockwise
Defog	Digital Defog
Palette (Thermal)	white hot; lava; iron oxide red; hot iron; medical; arctic; rainbow 1; rainbow 2; rainbow 3; depict hot; ice hot; black hot; mazarine; fusion; red hot; green hot; color 1; color 2; rain; puce
Intelligent	
Smart intrusion prevention	Thermal or Optical channel: Support false alarm filtering: Line crossing detection, Intrusion detection, Enter area detection, Leave area detection
Smoke and Fire Detection	Optical channel support detecting smoke directly or helping in double-check the fire alarm
Events	
Fire Detection	Thermal channel supports the detection of fire point in the environment
Basic Detection (Optical)	Motion detection; Tampering alarm; Audio detection
General Function	Watermark; IP Address Filtering; Access Policy; ARP Protection; RTSP Authentication; User Authentication; HTTP authentication; Alarm input; Alarm output
Audio	
Audio Compression	G.711U; G.711A
Audio Bitrate	128 Kbps

Two-way Audio	Support
Suppression	Support
Sampling Rate	16KHZ
Storage	
Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR
Network	
Protocols	IGMP; RTP; SMTP; IPv4; IPv6; ICMP; ARP; TCP; UDP; DHCP; PPPoE; RTSP; RTCP; RTMP; DNS; DDNS; NTP; FTP; UPnP; HTTP; HTTPS; 802.1x; SNMP; QoS; SSL/TLS; SSH
Compatible Integration	ONVIF (Profile S, Profile G, Profile T); API
User/Host	Up to 32 users. 3 user levels: administrator, common user and operator
Client	InVid Vision (Mobile App), Vision Tools (IP Utility), InVid CMS
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above
Interface	
Audio I/O	1/1
Alarm I/O	2/2
Serial Port	1 channel RS485 interface
Built-in Mic	Support
Built-in Speaker	Support
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	Supported(Thermal module)
General	
Power	DC12V(±25%), PoE(IEEE802.3af)
Power Consumption	Max 12W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions	10.6" x 3.75" x 3.25" (269.1 x 95.7 x 83mm)
Weight	2.1lb (0.95kg)
Working Environment	-40 °F ~ 158 °F (-40°C ~ 70°C), Humidity: ≤95% RH (non-condensing)
Surge protection	6KV
Certification	
EMC	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013+A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 50130-4:2011+A1:2014) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN IEC 62368-1:2020+A11:2020) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU),(EU)2015/863); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)

### DRI Description

The optimal detection, recognition, and identification distances are calculated according to Johnson's Criteria.

Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels. Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or more pixels

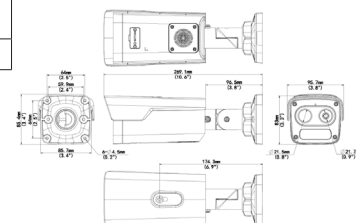
Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

### DRI Range Table

Lens	Detection Range (Vehicles:4.0x1.4 m)	Detection Range (Humans:1.8x0.5 m)	Recognition Range (Vehicles: 4.0x1.4 m)	Recognition Range (Humans: 1.8x0.5 m)	Identification Range (Vehicles: 1.4x4.0 m)	Identification Range (Humans: 1.8 x 0.5 m)
7mm	2263.8 ft (690m)	908.8 ft (277m)	567.6 ft (173m)	226.4 ft (69m)	324.8 ft (99m)	131.2 ft (40m)

### Smart Function Table (Thermal)

Lens	SIP Detection Range (Vehicles:4.0 x 1.4 m)	SIP Detection Range (Humans:1.8 x 0.5 m)	Fire Detection Range (target: 0.1x 0.1 m)
7mm	393.7 ft (120 m)	196.9 ft (60 m)	91.9 ft (28 m)



### Ordering Information

**VIS-P4BXIR6TH7NH:** 4 Megapixel Thermal Bullet, 6mm Optical, 7mm Thermal