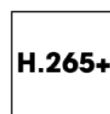




- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 30 m
- ROI, SMART H.264/H.265, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Supports max. 256 GB Micro SD card
- 12V DC/PoE power support
- IP67 protection



# THC2036IPB

2MP WDR IR Bullet Network Camera

## Functions

### Smart ( H.265+ & H.264+ )

Adopting advanced algorithm of auto stream control according to the environment, smart encoding technology realizes the higher efficiency than (H.265 & H.264 ), providing high-quality video, and reducing the cost of storage and transmission.

### Wide dynamic range (WDR)

With Wide Dynamic Range (WDR) technology you can get clear details in the environment of strong brightness contrast. In high brightness and back- light environment, bright region and dark region with strong light source, you can also get clear images.

### Starlight

Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

### Intelligent Video Analysis (IVS)

With advanced video algorithm, this camera supports intelligent detection, such as tripwire and intrusion and so on.

### Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can work normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

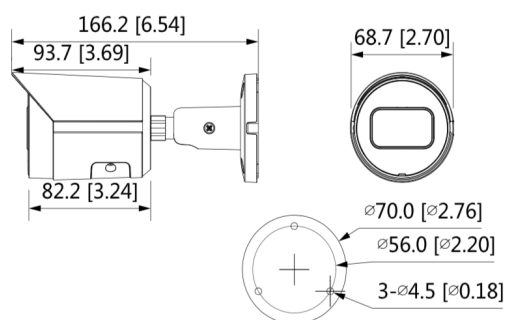
## Technical Specification

Camera	
Image Sensor	1/2.8" 2Megapixel progressive CMOS
Effective Pixels	1920 (H) × 1080 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.002 Lux @F1.6
IR Distance	30 m (98.4 ft)
IR On/Off Control	Auto/Manual
IR LEDs Number	1
Pan/Tilt/Rotation Range	Horizontal: 0°–360° Vertical: 0°–90° Rotation: 0°–360°
Lens	
Lens Type	Fixed focal
Mount Type	M12
Focal Length	2.8 mm 3.6 mm
Max. Aperture	F1.6 F1.6

Field of View	2.8 mm: Horizontal:106° Vertical: 56° Diagonal: 126° 3.6 mm: Horizontal:87° Vertical: 46° Diagonal: 104°				
Iris Type	Fixed aperture				
Close Focus Distance	2.8 mm: 0.6 m (2.0 ft) 3.6 mm: 1.2 m (3.9ft)				
<b>DORI Distance</b>	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	38.6 m	15.4 m	7.7m	3.9 m
	3.6 mm	55.2 m	22.1 m	11.0 m	5.5 m
<b>Smart event</b>					
General IVS Analytics	Tripwire; intrusion				
<b>Video</b>					
Compression	H.265; H.264; H.264B; MJPEG				
Smart Codec	H.264: Yes H.265: Yes				
Frame Rate	50 Hz				
	Main stream (1920 × 1080@25 fps); sub stream(704 × 576@25 fps)				
	60Hz				
	Main stream (1920 × 1080@30 fps), sub stream(704 × 480@30 fps)				
Stream Capability Resolution	2 streams				
Bit Rate Control	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)				
Video Bit Rate	CBR; VBR				
Day/Night	H.264: 32 Kbps–6144 Kbps H.265: 12 Kbps–6144 Kbps				
BLC	ICR auto switch Yes				
WDR	120 dB				
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom				
Gain Control	Auto/Manual				
Noise Reduction	3D DNR				
Motion Detection	OFF/ON (4 areas, rectangular)				
Region of Interest(Rol)	Yes (4 areas)				
Smart IR	Yes				
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution.)				
Mirror	Yes				
Privacy Masking	4 areas				
<b>Network</b>					
Network	RJ-45 (10/100 Base-T)				
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP				
Interoperability	ONVIF (Profile S/Profile G); CGI; Milestone; Genetec				
User/Host	20				
Edge Storage	Dahua Cloud; FTP; Micro SD Card (support max. 256 GB); NFS				
Browser	IE; Chrome; Firefox				
Management Software	Smart PSS; DSS; DMSS				
Mobile Phone	IOS; Android				
<b>Certifications</b>					
Certifications	CE-LVD: EN60950-1				
	CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU				
	FCC: 47 CFR FCC Part 15, Subpart B				
	UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07				
<b>Power</b>					
Power Supply	12V DC/PoE				
Power Consumption	Basic power consumption: 2W (12V DC); 2.6W (PoE) Max. power consumption (H.265 + max. resolution + max. stream + WDR + IR full				
	intensity + IVS enabled): 4.2W (12V DC); 4.9W (PoE)				

Environmental	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Ingress Protection	IP67
Construction	
Casing	Metal
Dimensions	166.2 mm × Ø70 mm (6.5" × Ø2.8")
Net Weight	0.48 kg (1.1 lb)
Gross Weight	0.57 kg (1.3 lb)

## Dimension



## Hiltron Land S.r.l.

Strada Provinciale di Caserta, 218 80144 - Napoli - Italy  
Tel: (+39) 081.185.39.000 Fax: (+39) 081.185.39.016  
[www.hiltronsecurity.it](http://www.hiltronsecurity.it)

