RG6 COAXIAL CABLE
STANDARD PLUS GRADE With POWER WIRE

LINK — American Standard

UL Communications Cable · UL CATV Cable · RoHS-WEEE Compliant

WARRANTY 30 YEARS — LINK FOR THE PERFECT CABLING

PART NUMBER	CB-0109SW+	CB-0109SPW+	CB-0109SMW+
INNER CONDUCTOR	Copper Covered Steel	Copper Covered Steel	Copper Covered Steel
DIAMETER	1.02 mm (18AWG)	1.02 mm (18AWG)	1.02 mm (18AWG)
DIELECTRIC	Foamed Polyethylene	Foamed Polyethylene	Foamed Polyethylene
DIAMETER	4.57 mm	4.57 mm	4.57 mm
SHIELD TAPE	AL/P-Foil	AL/P-Foil	AL/P-Foil
100% COVERAGE	(Bonded)	(Bonded)	(Bonded)
BRAID WIRE	Aluminum	Aluminum	Aluminum
DIAMETER	0.16 mm x 144 wire	0.16 mm x 144 wire	0.16 mm x 144 wire
SHIELD COVERAGE	96%	96%	96%
NON-HYGROSCOPIC TAPE	NA	PET Foil	PET Foil
JACKET	Black PVC or Black LSZH	Black PE	Black PE
DIAMETER	6.86 mm	6.86 mm	6.86 mm
	(11.56 mm with Power Wire)	(11.56 mm with Power Wire)	(13.86 mm with Messenger & Power Wire)
POWER WIRE	Stranded Bare Copper	Stranded Bare Copper	Stranded Bare Copper
DIAMETER	2 x 1.02 mm (18AWG)	2 x 1.02 mm (18AWG)	2 x 1.02 mm (18AWG)
MESSENGER WIRE	N/A	N/A	Galvanize Steel 1.3 mm / PE 2.30 mm
SCREENING	VHF 80 dB	VHF 80 dB	VHF 80 dB
FACTOR AT	UHF 75 dB	UHF 75 dB	UHF 75 dB

APPLICATION CCTV, CATV, MATV, HDTV, TV Cable, RF Signal Transmission : **STANDARD** MIL-C-17F, MIL-C-17G, ANSI | TIA-568-C.4

Frequency MHz	Attenuation dB/100m
1	1.00
5	1.60
10	2.30
50	4.60
100	6.50
200	9.50
300	11.30
400	13.10
460	15.00
700	17.20
870	19.50
1000	21.30
1750	29.00
2000	32.00
2500	35.10
3000	39.00

Return Loss	
5 - 470 MHz	>25.00 dB
470 - 1000 MHz	>23.00 dB
1000 - 2000 MHz	>20.00 dB
Impedance	75 Ohm
Capacitance	52 pF ± 3 /m
Velocity Ratio	82%
DCR Inner Conductor	78 Ohm/km
DCR Shields	17.5 Ohm/km
Minimum Bending Radius	
Loaded (Installation)	10 x Cable OD
Unloaded (Operation)	4 x Cable OD
Tensile Strength	
Maximum Pulling Tension	470 N
Temperature	
Storage/Operation	-20 °C to 75 °C
Installation	0 °C to 60 °C
Jacket Sparker	4000 VAC
Dielectric Strength	2500 VAC

ORDERING INFORMATION

PART NO.	DESCRIPTION	PACKAGE	JACKET COLOR
CB-0109SW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Indoor	500m / WR	BLACK PVC
CB-0109SPW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Outdoor	500m / WR	BLACK PE
CB-0109SMW+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with Messenger & 2x Power Wire	500m / WR	BLACK PE
CB-0109SWLSZH+	RG6 CABLE, STANDARD PLUS GRADE, SHIELD 96%, with 2x Power Wire, Indoor, LSZH	500m / WR	BLACK LSZH

*WR = Wooden Reel

BARRACUDA
COMPUTE

Amazing Versatility.
Unmatched Dependability.

✇ SEAGATE

Seagate brings over 20 years of trusted performance and reliability to the Seagate® BarraCuda® 3.5-inch HDD—now available in capacities up to 8TB.

8TB
BarraCuda
ST8000DM004

Best-Fit Applications

- Desktop or all-in-one PCs
- Home servers
- Entry-level direct-attached storage devices (DAS)

Key Advantages

Versatile HDDs for all your PC needs bring you industry-leading excellence in personal computing.

For over 20 years the BarraCuda family has delivered super-reliable storage for the hard drive industry.

Capacities up to 8TB for desktops, BarraCuda leads the market with the widest range of storage options available.

Advanced Power modes help save energy without sacrificing performance.[1]

SATA 6Gb/s interface optimizes burst performance.[1]

Seagate Secure®models provide Self-Encrypting Drive (SED) hardware-based data security and deliver an Instant Secure Erase feature for safe, fast and easy drive retirement. They meet NIST 800-88 media sanitization specifications and also support the Trusted Computer Group (TCG) Opal standard.[2,3]

1 Performance may vary depending on user's hardware configuration and operating system.

2 Seagate Secure models are not available in all countries. May require TCG-compliant host or controller support.

3 Refer to specifications table for further information and feature options.

Specifications	8TB	6TB	4TB	3TB	3TB
Standard Model Numbers	ST8000DM004	ST6000DM003	ST4000DM004	ST3000DM007	—
Seagate Secure® Model Numbers	—	—	—	—	ST3000DM002
Bytes per Sector	4096	4096	4096	4096	4096
Performance					
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
SATA Transfer Rates Supported (Gb/s)	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5
Max. Sustained Transfer Rate OD (MB/s)	190MB/s	185MB/s	190MB/s	185MB/s	210MB/s
Cache, Multisegmented (MB)	256	256	256	256	64
Rotational Speed (RPM)	5400	5400	5400	5400	7200
Reliability/Data Integrity					
Load/Unload Cycles	600,000	600,000	600,000	600,000	300,000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E15	1 per 10E14
Power-On Hours per Year (24×7)	2400	2400	2400	2400	2400
Workload Rate Limit (TB/Year)	55	55	55	55	55
Limited Warranty (years)	2	2	2	2	2
Power Management					
Startup Power (A)	2.0	2.0	2.0	2.0	2.5
Operating Mode, Typical (W)	5.3	5.3	3.7	3.7	8
Idle Average (W)	3.4W	3.4W	2.5W	2.5W	5.40W
Standby Mode/Sleep Mode, Typical (W)	0.25/0.25	0.25/0.25	0.25/0.25	0.25/0.25	0.75/0.75
Voltage Tolerance, Inc. Noise (5V)	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance, Inc. Noise (12V)	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature					
Operating (ambient, min)	0°C	0°C	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C	60°C	60°C
Nonoperating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen Free	Yes	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes	Yes
Physical					
Height (mm/in, max)	26.11mm/1.028in	26.11mm/1.028in	20.20mm/0.795in	20.20mm/0.795in	26.11mm/1.028in
Width (mm/in, max)	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in
Weight (g/lb)	630g/1.389lb	610g/1.345lb	490g/1.08lb	490g/1.08lb	626g/1.38lb
Carton Unit Quantity	20	20	25	25	20
Cartons per Pallet/Cartons per Layer	40 / 8	40 / 8	40 / 8	40 / 8	40/8

Specifications	2TB	2TB	2TB	1TB	500GB
Standard Model Numbers	ST2000DM005	ST2000DM008	ST2000DM006	ST1000DM010	ST500DM009
Seagate Secure® Model Numbers	—	—	ST2000DM002	—	—
Bytes per Sector	4096	4096	4096	4096	4096
Performance					
Interface	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s	SATA 6Gb/s
SATA Transfer Rates Supported (Gb/s)	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5	6.0/3.0/1.5
Max. Sustained Transfer Rate OD (MB/s)	190MB/s	220MB/s	210MB/s	210MB/s	210MB/s
Cache, Multisegmented (MB)	256	256	64	64	32
Rotational Speed (RPM)	5400	7200	7200	7200	7200
Reliability/Data Integrity					
Load/Unload Cycles	600,000	600,000	300,000	300,000	300,000
Nonrecoverable Read Errors per Bits Read, Max	1 per 10E15	1 per 10E15	1 per 10E14	1 per 10E14	1 per 10E14
Power-On Hours per Year (24×7)	2400	2400	2400	2400	2400
Workload Rate Limit (TB/Year)	55	55	55	55	55
Limited Warranty (years)	2	2	2	2	2
Power Management					
Startup Power (A)	2.0	2.0	2.5	2.0	2.0
Operating Mode, Typical (W)	3.7	5.1	8	5.3	5.3
Idle Average (W)	2.5W	3.9W	5.40W	4.60W	4.60W
Standby Mode/Sleep Mode, Typical (W)	0.25/0.25	0.3/0.3	0.75/0.75	0.94/0.94	0.94/0.94
Voltage Tolerance, Inc. Noise (5V)	±5%	±5%	±5%	±5%	±5%
Voltage Tolerance, Inc. Noise (12V)	±10%	±10%	±10%	±10%	±10%
Environmental/Temperature					
Operating (ambient, min)	0°C	0°C	0°C	0°C	0°C
Operating (drive case, max)	60°C	60°C	60°C	60°C	60°C
Nonoperating (ambient)	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C	-40°C – 70°C
Halogen Free	Yes	Yes	Yes	Yes	Yes
RoHS Compliance	Yes	Yes	Yes	Yes	Yes
Physical					
Height (mm/in, max)	20.20mm/0.795in	20.20mm/0.795in	26.11mm/1.028in	19.99mm/0.787in	19.99mm/0.787in
Width (mm/in, max)	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in	101.85mm/4.010in
Depth (mm/in, max)	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in	146.99mm/5.787in
Weight (g/lb)	415g/0.915lb	490g/1.08lb	626g/1.38lb	400g/0.88lb	400g/0.88lb
Carton Unit Quantity	25	25	20	25	25
Cartons per Pallet/Cartons per Layer	40 / 8	40 / 8	40 / 8	40 / 8	40 / 8

DH-HAC-B2A21M-IL-A

2MP Smart Dual Light HDCVI Fixed-focal Bullet Camera

* In order to use the Smart Dual Light HDCVI camera, the firmware of XVR must be upgraded to V4.001.0000004.1.R.220323 or later version.

· Max. 30 fps@1080p.

· 3D NR.

· Smart Dual Light.

· 20 m illumination distance.

· Super Adapt.

· Built-in mic.

· 3.6 mm fixed lens (2.8 mm optional).

· CVI/CVBS/AHD/TVI switchable.

· IP67, 12 VDC.

System Overview

The Lite Series is a great choice for consumers looking for high quality monitoring products at a reasonable price. Its low cost and high performance make it ideal for residential areas and SMB solutions. This series is equipped with a wide range of technologies, such as full-color and starlight, providing various solutions for different scenarios.

Functions

Smart Dual Light

With its smart dual light mechanism, the camera automatically turns on the white light when Perimeter Protection/SMD Plus function of AI XVR detects a target in the rule area to capture clear, vivid images. When the target leaves the rule area, the camera automatically switches over from the white light to the IR light to significantly reduce light pollution.

Broadcast-quality Audio

Audio signal transmission over coaxial cables is supported by the HDCVI camera. It adopts a unique audio processing and transmission technology that restores source audio and eliminates noise, ensuring the quality and reliability of the audio information that is collected. This becomes important for video surveillance applications that use audio information as a type of supplementary evidence.

Super Adapt

With its intelligent algorithm, the camera automatically adjusts its parameters to provide optimal performance and vivid images.

Advanced 3DNR

Dahua's advanced 3DNR technology reduces image noise with little to no impact on image sharpness, especially in poor lighting conditions. It detects the noise, and compares the sequential frames to effectively reduce the noise. It also makes efficient use of bandwidth, saving on storage space.

Protection (IP67, Wide Voltage)

IP67: The camera passed a series of rigorous dust and immersion tests. Its enclosure is both dust-proof and waterproof, and can function normally while being immersed in 1 m deep water for up to 30 minutes. Wide voltage: The camera has ±30% input voltage tolerance (for some power supplies) and a wide voltage range, making it suitable for a variety of outdoor scenarios.

4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals (video, audio*, data and power) which are simultaneously transmitted over a coaxial cable. Dual-way data transmission allows the HDCVI camera to interact with the XVR to perform various actions such as sending control signals and triggering alarms. HDCVI technology also supports PoC, which makes the camera easy and quick to install.

* Audio input is available for select HDCVI camera models.

Long Distance Transmission

HDCVI technology provides long distance transmission in real time without transmission loss. It supports transmission distances up to 700 m for 2-MP/5-MP/8-MP HD videos through coaxial cables, and up to 300 m through UTP cables. The results were obtained and verified through rigorous testing in Dahua's test laboratory.

Cooper Series | DH-HAC-B2A21M-IL-A

Technical Specification

Camera

Image Sensor	2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25 s–1/100000 s NTSC: 1/30 s–1/100000 s
Min. Illumination	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>65 dB
Illumination Distance	IR: 20 m (65.62 ft) Warm light: 20 m (65.62 ft)
Illuminator On/Off Control	Auto
Illuminator Number	1 (Warm light);1 (IR light)
Angle Adjustment	Pan: 0°–360° Tilt: 0°–90° Rotation: 0°–360°

Lens

Lens Type	Fixed-focal
Auto Focus	No
Lens Mount	M12
Focal Length	2.8 mm; 3.6 mm
Max. Aperture	F2.0
Field of View	2.8 mm: H: 102°; V: 60°; D: 129° 3.6 mm: H: 83°; V: 48°; D: 105°
Iris Control	Fixed
Close Focus Distance	2.8 mm: 0.5 m (1.64 ft) 3.6mm: 0.7 m (2.30 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	41.1 m (135.83 ft)	16.5 m (42.13 ft)	8.3 m (27.23 ft)	4.1 m (13.45 ft)
	3.6 mm	50.9 m (166.99 ft)	20.3 m (66.60 ft)	10.2 m (33.46 ft)	5.1 m (16.73 ft)

Video

Video Frame Rate	CVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; AHD: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; TVI: PAL: 1080p@25 fps; NTSC: 1080p@30 fps; CVBS: PAL: 960H; NTSC: 960H
Resolution	1080p (1920 × 1080); 960H (960 × 576/960 × 480)
Day/Night	Auto(ICR)/Color/B/W
BLC	BLC; HLC; DWDR
WDR	DWDR

White Balance	Auto;Area white balance
Gain Control	Auto
Noise Reduction	3D NR
Illumination Mode	Smart IR&WL; WL Mode; IR Mode
Mirror	Yes
Privacy Masking	Off/On (8 areas, rectangle)

Certification

Certifications	CE-LVD: EN 62368-1; CE-EMC: EN 55032; EN 55035; FCC: 47 CFR FCC Part 15, Subpart B; UL: UL62368-1 + CAN/CSA C22.2 No. 62368-1-14

Port

Video Output	Video output choices of CVI/TVI/AHD/CVBS by one BNC port
Audio Input	1 channel

Power

Power Supply	12 VDC ± 30%
Power Consumption	Max 2.6W (12 VDC, IR on)

Environment

Operating Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Operating Humidity	<95% (RH), non-condensing
Storage Temperature	−40 °C to +60 °C (−40 °F to +140 °F)
Storage Humidity	<95% (RH), non-condensing
Protection	IP67

Structure

Casing Material	Metal
Product Dimensions	166.6 mm × 69.7 mm × 70 mm (6.56" × 2.74" × 2.76")
Net Weight	0.32 kg (0.71 lb)
Gross Weight	0.40 kg (0.88 lb)
Installation	Wall mount; ceiling mount; vertical pole mount

Ordering Information

Type	Model	Description
2MP Camera	DH-HAC-B2A21M-IL-A-0280	2MP HDCVI Smart Dual Light Bullet Camera, PAL
	DH-HAC-B2A21M-IL-A-0360	2MP HDCVI Smart Dual Light Bullet Camera, PAL
Accessories (Optional)	PFA130-E	Water-proof Junction Box
	PFA134	Junction Box
	PFA152-E	Pole Mount Bracket
	PFM800-E	Passive HDCVI Balun
	FM321D	12V 1A Power Adapter
	PFM904	Integrated Mount Tester

Accessories

Optional:

PFA130-E
Water-proof
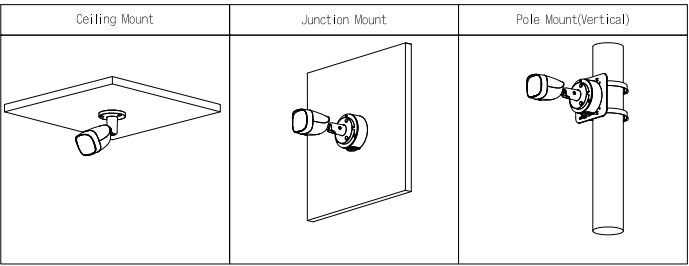Junction Box

PFA134
Junction
Box

PFA152-E
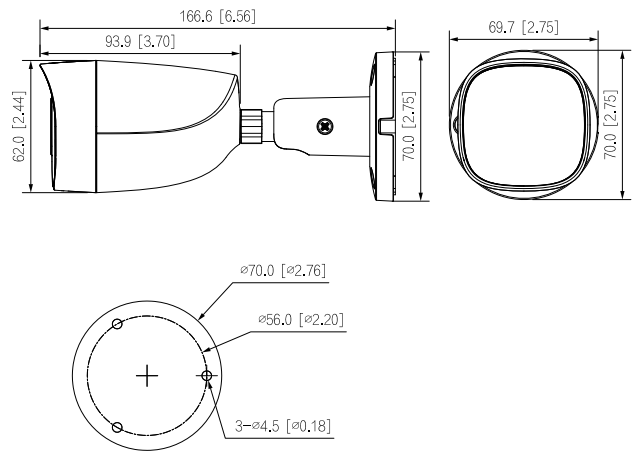Pole Mount
Bracket

PFM800-E
Passive HDCVI Balun

PFM321D
12V 1A Power
Adapter

PFM904
Integrated Mount
Tester

Ceiling Mount   Junction Mount   Pole Mount(Vertical)

Dimensions (mm [inch])

166.6 [6.56]
93.9 [3.70]
62.0 [2.44]
69.7 [2.75]
70.0 [2.75]
70.0 [2.75]

∅70.0 [∅2.76]
∅56.0 [∅2.20]
3−∅4.5 [∅0.18]

DH-XVR4104HS-I

4 Channels Penta-brid 1080N/720p Compact 1U 1HDD WizSense Digital Video Recorder

Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, XVR4000-I Series featuring max.full-channel SMD Plus to benefit customers from AI upgrade (The number of channels differs depending on the model. Please refer to the specifications below for information on the number of channels.). This series has been developed to reduce false-alarm rates and the cost of human surveillance, thus bringing great value to customers in search of products with accurate human/vehicle alarm to raise the security level of various indoor and outdoor facilities.

Functions

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Smart Dual Illuminators

With Smart Dual Illuminators technology, you can select Smart Illumination Mode for the system to automatically switch between IR mode and white light mode. It allows white light to be turned on when a target is detected by the SMD Plus/Perimeter Protection function of AI-enabled XVR. This significantly reduces light pollution at night. Together with other modes, including IR Mode and White Light Mode, the smart dual illumination technology can meet the requirements of a wide variety of scenes.

One-click Arming/Disarming

With just one click, you can enable or disable alarm linkages to show messages, send emails, output audio alarms and more, through the mobile app and platform.

- H.265+/H.265 dual-stream video compression
- Supports Full-channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5 channels IP camera inputs, each channel up to 2MP; Max 32 Mbps incoming bandwidth
- Up to 4 channels video stream (analog channel) SMD Plus
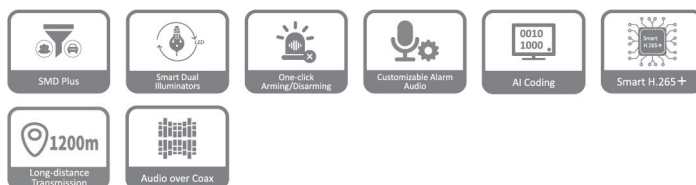
Customizable Alarm Audio

Designed for your convenience, the TiOC alarm can be customized to meet your needs. It is flexible, allowing you to directly upload your customized audio through the mobile app and XVR.

AI Coding

Compared with H.265/H.264, AI coding can reduce more than 50% bit rate and storage requirements without loss of decoding compatibility, providing clear human and vehicle details.

Smart H.265+

Smart H.265+ Codec reduces bit rate and storage requirements by up to 90%, outranking standard H.264 video compression and eliminating the need to invest in a new camera.

Long-distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 700 m for 4K/4MP, 800 m for 1080p and 1200 m for 720p.

Audio over Coax

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

Technical Specification

System

Main Processor	Industrial-grade processor
Operating System	Embedded Linux
Operating Interface	Web; Local GUI

SMD Plus

SMD Plus by Recorder	4 channels: Secondary filtering for human and motor vehicle , reducing false alarms caused by leaves, rain and lighting condition change

Audio and Video

Analog Camera Input	4 BNC ports, CVI access by default, supports HDCVI/AHD/TVI/CVBS auto-detect
Camera Input	1. CVI: 1080p@ 25/30 fps, 720p@25/30 fps 2. TVI: 1080p@ 25/30 fps, 720p@25/30 fps 3. AHD: 1080p@ 25/30 fps, 720p@25/30 fps 4. CVBS: PAL/NTSC
IP Camera Input	Up to 5 channels of IPC access 1 IP channels by default + 4 channels (analog channels are converted to IP channels) incoming bandwidth: 32 Mbps, recording bandwidth: 32 Mbps and outgoing bandwidth: 32 Mbps *After IP channels are added beyond the existing channels, the AI Function (SMD) will be disabled.
Encoding Capacity	Main Stream: All channels 1080N, 720p, 960H, D1, CIF@ (1 fps–25/30 fps) Sub stream: CIF@ (1 fps–15 fps)
Dual-stream	Yes
Video Bit Rate	32 kbps–6144 kbps
Audio Sampling	8 kHz, 16 bit
Audio Bit Rate	64 kbps
Video Output	1 HDMI, 1 VGA HDMI/VGA : 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6
Third-party Camera Access	ONVIF; Panasonic; Sony; Axis; Arecont; Pelco; Canon; Samsung

Compression Standard

Video Compression	AI Coding; H.265+; H.265; H.264+; H.264
Audio Compression	G.711a; G.711u; PCM

Network

Network Protocol	HTTP; HTTPS; TCP/IP; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; P2P
Mobile Phone Access	iOS; Android
Interoperability	ONVIF 21.12; CGI Conformant
Browser	Chrome IE9 or later Firefox
Network Mode	Single-address mode

Recording Playback

Record Mode	General, motion detection, alarm
Recording Playback	1/4
Backup Method	USB device and network
Playback Mode	Instant playback, general playback, event playback, tag playback

Alarm

General Alarm	Motion detection, video loss, tampering
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email

Ports

Audio Input	1-channel RCA 4-channel BNC (Coaxial Audio)
Audio Output	1-channel RCA
Two-way Talk	Yes (share the same audio input with the first channel)
HDD Interface	1 SATA port, up to 16 TB.The maximum HDD capacity varies with environment temperature.
RS-485	1 port, for PTZ control
USB	2 USB ports (USB 2.0)
HDMI	1
VGA	1
Network Port	1 (10/100 Mbps Ethernet port, RJ-45)

General

|	
Power Supply	12 VDC, 1.5 A
Power Consumption	< 4 W
Net Weight	0.86 kg (1.90 lb)
Gross Weight	1.37 kg (3.02 lb)
Product Dimensions	260.0 mm × 237.9 mm × 47.6 mm (10.24'' × 9.37'' × 1.87'') (W × D × H)
Packaging Dimensions	333.0 mm × 315.0 mm × 89.0 mm (13.11" × 12.40" × 3.50") (W× D × H)
Operating Temperature	−10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	0%–90% (RH)
Installation	Desktop
Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN50130; EN 55024

Ordering Information

Type	Model	Description
4 Channels WizSense XVR	DH-XVR4104HS-I	Compact 1U WizSense Digital Video Recorder

Dimensions (mm[inch])

260.0 [10.24]

47.6 [1.87]
44.7 [1.76]

237.9 [9.37]
227.1 [8.94]
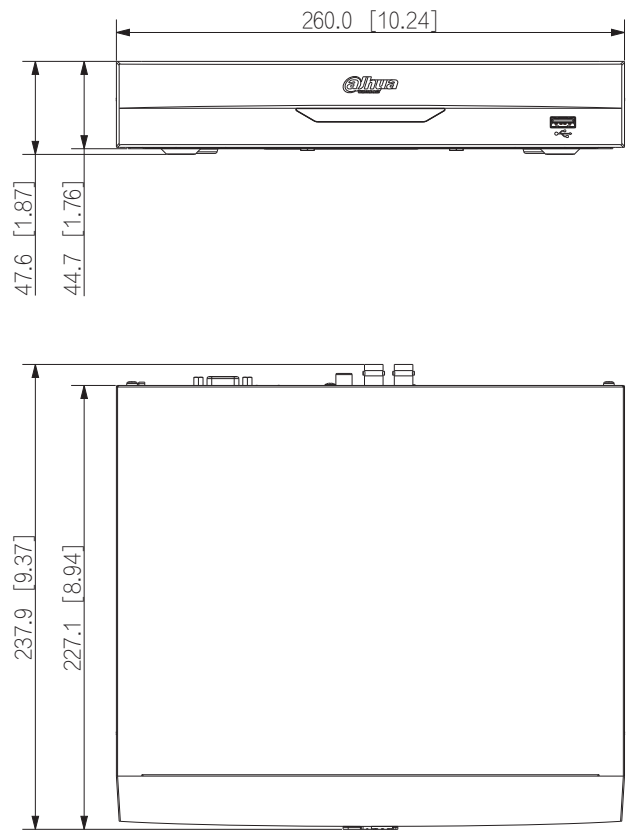
Panels
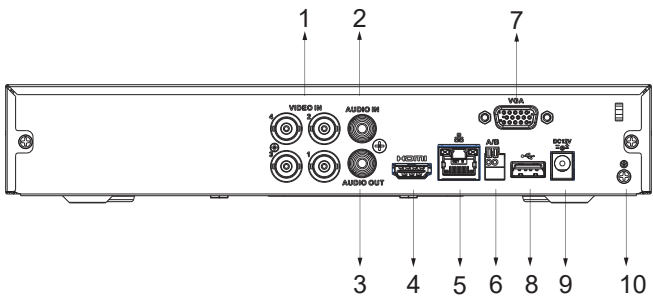
1	VIDEO IN	2	AUDIO IN, RCA Connector
3	AUDIO OUT, RCA Connector	4	HDMI Port
5	Network Port	6	RS-485 Port
7	VGA Port	8	USB Port
9	Power Input	10	Ground