

## 4 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder



- H.264 video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5 channels IP camera inputs, each channel up to 2MP; Max 20Mbps Incoming Bandwidth
- Long transmission distance over coax cable
- Supports 1 SATA HDD, up to 6TB



### System Overview

WATASHI, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present Cooper Series XVR. Designed as a full compatibility product, XVR is able to provide end user the simplicity of analog system, namely lower system cost, simple installation and use of existing cable. It is ideal for a wide range of civil applications such as retail store, home protection and so on.

Featuring high performance with attractive costs, the Cooper Series offers a great solution for users facing budget constraints who both require quality and performance.

### Functions

#### HDCVI/AHD/TVI/CVBS/IP Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

#### IPC Input Supported

The WVR066A supports up to 2MP IPC input, and WVR067A supports up to 5MP IPC input.

#### Coaxial Audio/Upgrade/Alarm

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



#### Long Distance Transmission

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 800m for 1080P and 1200m for 720P.

#### Smart Search

This function helps you get more motion detect video during a short time through drawing a region when playback. It is very useful when an emergency occurs.

#### Perfect Image Quality

High performance chip provides perfect image quality with better color reproduction.

#### P2P

Monitor at anytime and anywhere. Easily and conveniently manage the device.

## Technical Specification

### System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

### Video and Audio

Analog Camera Input	4 Channel, BNC
HDCVI Camera	1080P@25/30fps, 720P@25/30fps
AHD Camera	1080P@25/30, 720P@25/30fps
TVI Camera	1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	4CH: 4+1, each channel up to 2MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA

### Recording

Video Compression	H.264
Resolution	1080N, 720P, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate	Main Stream: 4CH: All channel 1080N/720P/960H/D1/HD1/BCIF/CIF/QCIF(1~25/30fps) Sub stream: 4CH: CIF/QCIF (1~15fps)
Video Bit Rate	32Kbps ~ 4096Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel

### Display

Interface	1 HDMI ,1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Multi-screen Display	When IP extension mode not enabled: 4CH: 1/4 When IP extension mode enabled: 4CH: 1/4/6
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

### Network

Interface	1 RJ-45 Port (100M)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter ,DDNS, FTP, Alarm Server, P2P,IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 16.12, CGI Conformant

### Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
Alarm input	N/A
Relay Output	N/A

### Playback and Backup

Playback	4CH: 1/4
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB Device/Network

### Storage

Internal HDD	1 SATA Port, up to 6TB capacity
eSATA	N/A

### Auxiliary Interface

USB	2 USB 2.0
RS232	N/A
RS485	N/A

### Electrical

Power Supply	DC12V/1.5A
Power Consumption (Without HDD)	<10W

### Construction

Dimensions	Cooper 1U, 197mm×192mm×41mm (7.8"×7.6"×1.6")
Net Weight (without HDD)	0.55kg (1.2lb)
Gross Weight	1kg (2.2lb)
Installation	Desktop installation

### Environmental

Operating Conditions	-10°C ~ +45°C (+14°F ~ +113°F), 10~ 90% RH
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH

### Third-party Support

Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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### Certifications

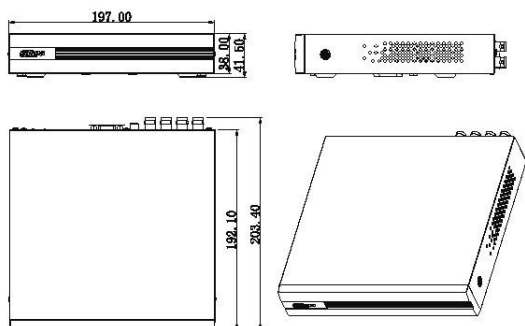
Certifications	FCC: Part 15 Subpart B CE: CE-LVD: EN 60950-1/IEC 60950-1 CE-EMC: EN 61000-3-2, EN 61000-3-3, EN 55032, EN 50130, EN 55024 UL: UL 60950-1
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## Ordering Information

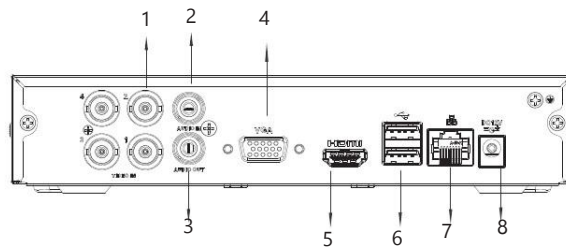
Type	Part Number	Description
4/8 Channel XVR	WVR066A	4 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder
	WVR067A	8 Channel Penta-brid 1080N/720P Cooper 1U Digital Video Recorder

## Dimensions(mm)

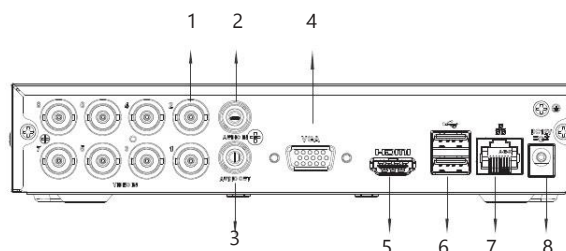


## Rear Panel

WVR066A



WVR067A



- |   |                          |   |                   |
|---|--------------------------|---|-------------------|
| 1 | VIDEO IN                 | 5 | HDMI Interface    |
| 2 | AUDIO IN, RCA Connector  | 6 | USB Interface     |
| 3 | AUDIO OUT, RCA Connector | 7 | Network Interface |
| 4 | VGA Interface            | 8 | DC12V Power Input |

