WS-D6104/08/16GT

4/8/16 Channel Penta-brid 1080P Pro Mini 1U Digital Video Recorder

4/8CH

16CH

- Embedded processor
- H.264 dual-stream video compression
- Support HDCVI/AHD/TVI/CVBS/IP video inputs
- Each IP channel up to 2048x1536@30FPS, 8Mbps per channel
- Long transmission distance over coax cable
- Support 1~2 SATA HDD, each up to 8TB
- P2P and Cloud Support

System Overview

Western Security, as a technology leader, is always the first ever developed the shining new technology in the security industry, and today we present Pentabrid recorders. As the perfect solution to upgrade existing video surveillance systems, this model supports penta-brid access technology such as HDCVI, AHD, TVI, CVBS and IP to effortlessly integrate with popular industry formats, offering an affordable solution loaded with flexible options. It supports up to 16 channels of HDCVI/ AHD/TVI/CVBS or IP inputs.

Designed as a full compatibility product, this model 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 applications such as public safety, retail store, transportation, home protection and education.

Functions

HDCVI/AHD/TVI/CVBS Auto-detect
This model can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

3MP Resolution
This model supports up to 3MP HD resolution (2048x1536) IPC input for recording and live viewing.

BNC Output
This model has BNC output integrated and as such is suitable for installation for CCTV systems in buildings.

Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded Linux

Display

Interface	1 HDMI, 1 VGA, 1 BNC
Resolution	4/8CH: 1920x1080, 1280x1024, 1280x720, 1024x768 16CH: 4K (3840x2160), 1920x1080, 1280x1024, 1280x720, 1024x768
Multi-screen Display	4CH: 1/4 8CH: 1/4/8 16CH: 1/4/8/16
OSD	Camera Title, Time, Video Loss, Camera lock, Motion Detection, Recording

Video Detection and Alarm

Trigger Events	Recording, Email
Video Detection	MD, Zones: 396(22x18), Sensitivity 1~6

Playback and Backup

Playback	Synchronized Playback

Playback Function	4CH: 720p@100fps, 1080p@48fps
	8CH: 4x1080p@60fps,
	      8x720p@200fps
	16CH: 8x1080p@120fps,
	      16x720p@400fps

Backup Mode	USB, HDD, Network

Storage

Internal HDD	4/8CH: 1 SATA Port, up to 8TB capacity 16CH: 2 SATA Ports, each up to 8TB
Cloud Storage	Dropbox, Google Drive
eSATA	N/A

Auxiliary Interface

USB	2 USB 2.0
RS485	4/8CH: N/A, 16CH: 1 Port

Certifications

CE	EN55032, EN55024, EN61000-3-2, EN61000-3-3

3rd Party Support

3rd Party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek and more

Audio and Video

Camera Input	4/8/16 Channel, BNC
Audio In/Out	4/8CH : 1/1, 16CH: 4/1, RCA

Recording

Compression	H.264
Resolution	1080P, 720P, 960H
Record Rate	1080P (1~12fps), 720P/960H (1~25fps)
Bit Rate	1Kbps ~ 6144 Per Channel
Record Mode	Manual, Schedule (Regular, Continuous, MD

Network

Interface	1 RJ-45 Port (100M)
Network Function	HTTP, TCP/IP, IPv4, SMTP, DHCP, DNS, P2P
Max. User Access	128 Users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF 2.42

Electrical

Power Supply	4/8CH: DC12V/2A, 16CH: DC12V/4A
Power Consumption	<10W (Without HDD)

Environmental

Operating Conditions	0°C ~ +45°C, 10~90% RH

Construction

Dimensions	Mini 1U, 4/8CH: 250x235x45mm 16CH: 335x275x50mm
Weight	1.2Kg (without HDD)
Installation	Desktop Installation

Ordering information

Type	Part Number	Description
4/8/16 Channel Pentabrid Recorder	WS-D6104GT	4 Channel Penta-brid 1U DVR
	WS-D6108GT	8 Channel Penta-brid 1U DVR
	WS-D6116GT	16 Channel Penta-brid 1U DVR