SN-ADR3316E1
2MP 16CH 1HDD Hybrid DVR

H.265 video compression
Supports AHD/TVI/CVI/CVBS/IP video inputs
VGA, HD-OUT video output up to 4K
Smart search / playback
Response Time ≤0.2s
Easy to use same Interface of GUI/WEB/Client
Support more than languages
Perfect protection circuit, unique triple watchdog function

System Overview

Sunell Eco series hybrid DVR are 4 / 8 / 16 CH 2MP high definition DVRs with ability to connect analog and IP cameras simultaneously, which adopt the standard H.264 high profile compression format and the most advanced SOC technique to ensure real time recording in each channel and realize outstanding robustness of the system. This series DVR is supports 4 / 8 / 16 CH video inputs, 1 / 1 / 1 CH audio input, and simultaneous 4 / 8 / 16 CH playback. This series is ideal for a wide range of applications such as home safety, grocery, warehouse, education, and financial institutions.

Functions

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

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

HD Camera Input
The DVR supports up to 5MP HDVI camera and 1080P IP camera input.

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.
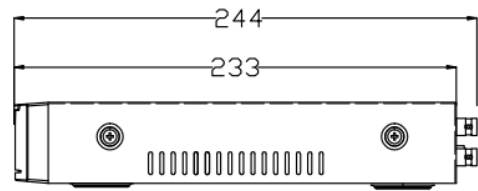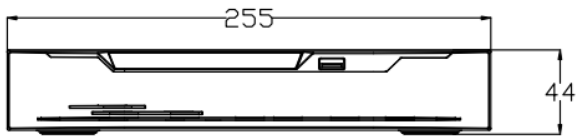
P2P
Monitor at anytime and anywhere.
Easily and conveniently manage the device.

Technical Specification

System	
Main Processor	Embedded processor
Operating System	Embedded LINUX

Video and Audio	
Analog Camera Input	16ch BNC
AHD Camera	5MP/4MP/3MP/1080P720P @25/30fps
TVI Camera	5MP/4MP/3MP/1080P720P @25/30fps
CVI Camera	5MP/4MP/3MP/1080P720P @25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	16ch, each channel up to 1080P
Audio In/Out	1ch input, 1ch output, RCA
Two-way Talk	N/A

Display	
Interface	1ch HD-OUT, 1ch VGA
Resolution	HD-OUT: 3840×2160, 1920×1080, 1280×1024, 1440×900 VGA: 1920×1080, 1280×1024, 1440×900
Multi-screen Display	1/4/9/16

Recording	
Compression	H.265/H.264
Resolution	5MP-N, 4MP-N, 1080P, 720P, 960H, D1, CIF
Record Rate	5MP-N@10fps, 4MP-N@15fps, 1080P @15fps
Bit Rate	16Kbps~4096Kbps
Record Mode	Manual, Event, Timer
Record Interval	Post-record: 30 ~ 60 sec

Video Detection and Alarm	
Trigger Events	Recording, Buzzer, Push message, Pop up message
Video Detection	Motion Detection, Video Loss, Camera Tamper
Alarm input	N/A

Network	
Interface	1 RJ-45 port (10/100Mbps)
Network Function	HTTP, HTTPS, TCP/IP, IPv4, UPnP, UDP, RTSP, SMTP, NTP, DNS, DHCP, P2P, IP Filter, DDNS, 802.1X, SNMP
Max. User Access	Access 4 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF, SDK, CGI

Playback and Backup	
Playback	16/9/4/1
Search Mode	Time /Date, Alarm, Picture grid, Event
Playback Function	Play, Pause, Stop, Next Frame, Fast play, Slow Play, Layout, Shuffle, Backup Selection, Digital Zoom
Backup Mode	USB HDD

Storage	
Internal HDD	1 SATA Ports, up to 8TB for each HDD
Mounting Mode	Embedded
eSATA	N/A

Interface	
USB	2 ports (USB 2.0 x2)
RS232	N/A
RS485	1 Port, for PTZ Control

General	
Power Supply	DC12V/2A
Power Consumption	Max 10W (without HDD)
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)
Storage Conditions	Less than 90% RH
Certifications	CE/FCC
Dimensions	255mm(L)x244mm(W)x44mm(H)
Net Weight	1Kg

Dimensions(mm)

255

44

244

233

Rear Panel