

# DVR-04LEAS

## 4 Channel Entry-level Simple 1U Standalone DVR

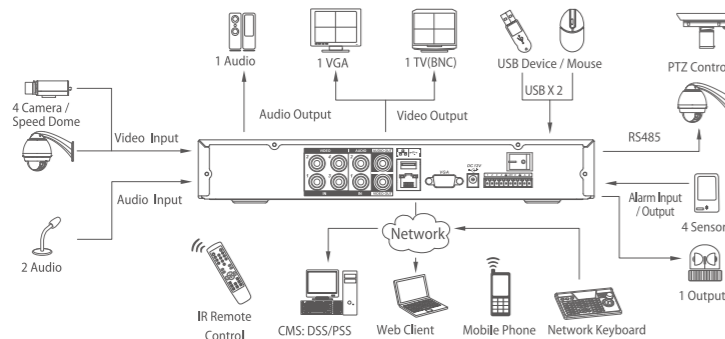


### Model

**DVR-04LEAS:** 4 channel video inputs and 2 channel audio inputs. The 1st video channel can support max D1(4CIF) realtime recording and other channels can support CIF realtime recording. It can support TV, VGA and USB2.0.

### Features

- 4 channels entry level simple 1U standalone DVR
- Up to 4 cameras with SXGA(1280×1024) display
- H.264 video compression algorithm ideal
- Each channel at CIF or 6/7fps at D1 recording
- Dual encoding streams supported
- TV(BNC)/VGA synchronous video output
- live, recording, playback, backup & remote access
- 4 channel simultaneous playback
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with DAHUA PTZ dome
- Easy backup: USB devices, network download
- Alarm triggering screen tips, buzzer, PTZ, e-mail, FTP upload: HD-DVR0404LE-AS
- Supports 1 SATA HDD, 2 USB2.0
- Built-in web server, multi-DVR client, MSS & CMS



## DVRs Software (free of charge)

DSS Digital Surveillance System	PSS Pro Surveillance System	DMSS Mobile Phone Surveillance Software
<p>DSS Manager Playback Live View</p> <ul style="list-style-type: none"> <li>• Support DVR, SVR, NVR, NVS, IPC, NVD and etc</li> <li>• Max 5000 channel connection</li> <li>• C/S structure network surveillance system</li> <li>• Multi-level management system</li> <li>• Used for large-scale and mission critical applications</li> </ul>	<p>E-map Live View</p> <ul style="list-style-type: none"> <li>• Support DVR, SVR, NVR, NVS, IPC, NVD and etc</li> <li>• Max 1000 channel connection</li> <li>• Max 144(12x12)video live view</li> <li>• Support Multi-screen</li> <li>• Used for Central monitoring system</li> </ul>	<ul style="list-style-type: none"> <li>• Support iPhone, Android, Blackberry, Windows Mobile, Symbian</li> <li>• Network Live view &amp; PTZ</li> <li>• Max 32 channel connection</li> <li>• Support DVR, NVS, IPC</li> </ul>

## Specifications

Model	DVR-04LEAS
<b>System</b>	
Main Processor	High performance embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network
<b>Video</b>	
Input	4 channel, BNC(1.0Vp-p, 75Ω)
Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)
Output	1 TV, BNC(1.0Vp-p, 75Ω), 1 VGA
<b>Audio</b>	
Input	2 channel, BNC(200-2800mV, 30KΩ), Channel 1 for bidirectional-talk input synchronously
Output	1 channel, BNC(200-3000mV, 5KΩ)
<b>Display</b>	
Display Split	1/4
Resolution	1280×1024, 1280×720, 1024×768, 800×600
Tour Display	Support
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera
OSD	Camera title, time, video loss, camera lock, motion detection, recording
<b>Recording</b>	
Video/Audio Compression	H.264 / G.711
Image Resolution	D1/4CIF(704×576/704×480) / CIF(352×288/352×240) / QCIF(176×144/176×120)
Encoding Speed	Main Stream: Channel 1: D1/CIF/QCIF (1~25/30fps); Channel 2~4: CIF/QCIF (1~25/30fps), D1 (1~6/7fps) Extra Stream: QCIF(1~25/30fps), CIF(1~6/7fps)
Bit Rate	32~2048Kb/s
Image Quality	1~6 level(level 6 is the best, VBR effectively)
Recording Mode	Manual, Schedule(Regular(Continuous),MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Recording Priority	Manual > Alarm > MD > Regular
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.
<b>Video Detection &amp; Alarm</b>	
Trigger Events	Recording, PTZ movement, Tour, Alarm, Email
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)
Video Loss & Camera Blank	Support
Alarm Input	4 channel
Relay Output	1 channel
<b>Playback &amp; Backup</b>	
Playback Channel	1/2/4
Search Mode	Time/Date, Alarm, Motion Detection & Exact search (accurate to second)
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)
Backup Mode	Flash drive / USB HDD / USB CD/DVD-RW / Network download
<b>Network</b>	
Ethernet	RJ-45 port (10/100M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Email, Alarm Server
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information
<b>Hard Disk</b>	
Hard Disk	1 SATA port, Max 2TB HDD supported
Space Occupation	Audio: 28.8MB/H, Video: 56~500MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm
<b>Auxiliary Interface</b>	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS485	PTZ control
<b>Environmental</b>	
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	25W
Working Environment	-10°C~+55°C / 10~90%RH / 86~106kpa
Dimension	1U, 325mm×245mm×45mm(W×D×H)
Weight	2.0KG(without HDD)

# DVR-08/16 LEAS

## 8/16 Channel Entry-level 1U Standalone DVR

### Model

**DVR-08LEAS:** 8 channel video inputs and 4 channel audio inputs. It can support CIF realtime recording or D1(4CIF) recording with 6/7fps. It can support TV, VGA and USB2.0.

**DVR-16LEAS:** 16 channel video inputs and 4 channel audio inputs. It can support CIF realtime recording or D1(4CIF) recording with 6/7fps. It can support TV, VGA, Spot and USB2.0. Main and Spot output can support multi-window display.



### Features

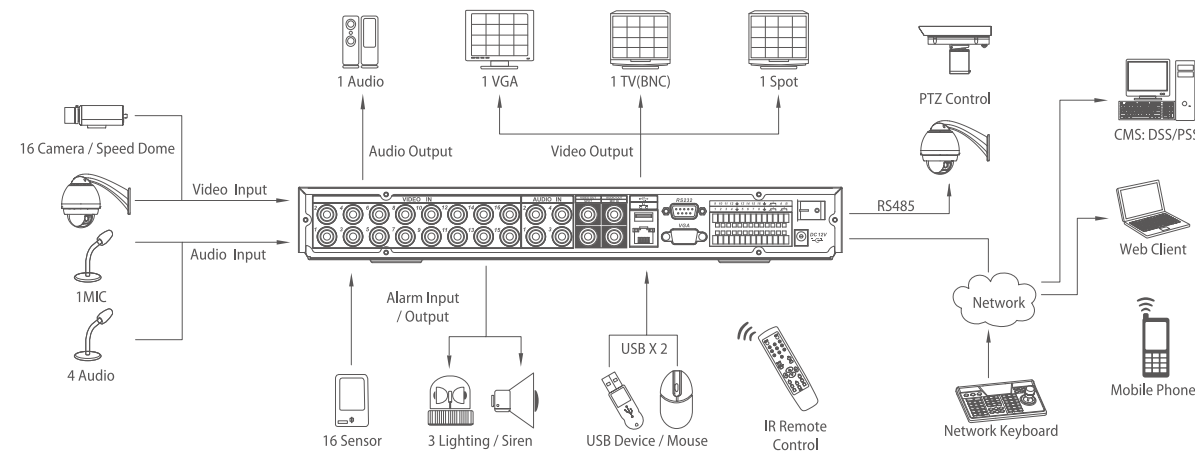
- 16 channels IP and 4/8/16 channel Effio 960H 2U Hybrid DVR
- Dual-core CPU presents the powerful preview, recording, playback and network performance
- Up to 20/24/32 channel with 1080P realtime live view
- H.264/MPEG-4 decoding & H.264 dual-stream encoding
- IP: 16 channel@D1, 8 channel@720P, 4 channel@1080P realtime recording
- Analog: 4/8/16 channel@960H(960\*576/960\*480) realtime recording
- HDMI / VGA / TV/Spot(BNC) synchronous video output
- All channel simultaneous realtime playback, GRID interface & smart search
- Support Multi-brand network cameras such as: Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY and ONVIF
- Support remote network camera encoding setting & image adjust
- IP Search feature to auto discover network cameras
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with Dahua PTZ dome camera
- Easy backup: USB/eSATA devices, CD/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
- Support 8 SATA HDDs up to 24TB, 1 eSATA up to 12TB, 4 USB2.0
- Built-in web server, CMS(DSS/PSS) & DMSS



## DVRs Software (free of charge)

DSS Digital Surveillance System	PSS Pro Surveillance System	DMSS Mobile Phone Surveillance Software
<p>DSS Manager Playback Live View</p> <ul style="list-style-type: none"> <li>• Support DVR, SVR, NVR, NVS, IPC, NVD and etc</li> <li>• Max 5000 channel connection</li> <li>• C/S structure network surveillance system</li> <li>• Multi-level management system</li> <li>• Used for large-scale and mission critical applications</li> </ul>	<p>E-map Live View</p> <ul style="list-style-type: none"> <li>• Support DVR, SVR, NVR, NVS, IPC, NVD and etc</li> <li>• Max 1000 channel connection</li> <li>• Max 144(12x12)video live view</li> <li>• Support Multi-screen</li> <li>• Used for Central monitoring system</li> </ul>	<p>Support iPhone, Android, Blackberry, Windows Mobile, Symbian</p> <ul style="list-style-type: none"> <li>• Network Live view &amp; PTZ</li> <li>• Max 32 channel connection</li> <li>• Support DVR, NVS, IPC</li> </ul>

## System Connection



## Specifications

Model	DVR-08LEAS	DVR-16LEAS
<b>System</b>		
Main Processor	High performance embedded microprocessor	
Operating System	Embedded LINUX	
System Resources	Pentaplex function: live, recording, playback, backup & remote access	
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network	
<b>Video</b>		
Input	8 channel, BNC(1.0Vp-p, 75Ω)	16 channel, BNC(1.0Vp-p, 75Ω)
Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)	
Output	1 TV, BNC(1.0Vp-p, 75Ω), 1 VGA	11 TV, 1 Spot, BNC(1.0Vp-p, 75Ω), 1 VGA
<b>Audio</b>		
Input	4 channel, BNC(200-2800mV, 30KΩ)	
Output	1 channel, BNC(200-3000mV, 5KΩ)	
Bidirectional Talk	Same with audio input channel 1	
<b>Display</b>		
Display Split	1/4/8/9	1/4/8/9/16
Resolution	1280×1024, 1280×720, 1024×768	
Tour Display	Support	
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera	
OSD	Camera title, time, video loss, camera lock, motion detection, recording	
<b>Recording</b>		
Video/Audio Compression	H.264 / G.711	
Image Resolution	D1/4CIF(704×576/704×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120)	
Encoding Speed	Main Stream: CIF/QCIF(1~25/30fps), D1(1~6/7fps) Extra Stream: QCIF(1~25/30fps), CIF(1~6/7fps)	Main Stream: CIF/QCIF(1~25/30fps), 2CIF(1~12/15fps), D1(1~6/7fps)
Bit Rate	32~1024Kb/s	
Image Quality	1~6 level(level 6 is the best, VBR effectively)	
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop	
Recording Priority	Manual > Alarm > MD > Regular	
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.	
<b>Video Detection &amp; Alarm</b>		
Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, Spot output	
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)	
Video Loss & Camera Blank	Support	
Alarm Input	8 channel	16 channel
Relay Output	3 channel	
<b>Playback &amp; Backup</b>		
Playback Channel	1/2/4/All	
Search Mode	Time/Date, Alarm, Motion Detection & Exact search (accurate to second)	
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)	
Backup Mode	Flash drive / USB HDD / USB CD/DVD-RW / Network download	
<b>Network</b>		
Ethernet	RJ-45 port (10/100M)	RJ-45 port (10/100/1000M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, Email, Alarm Server	
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information	
<b>Hard Disk</b>		
Hard Disk	1 SATA port, Max 2TB HDD supported	
Space Occupation	Audio: 28.8MB/H, Video: 56~500MB/H	
HDD Management	Hard disk hibernation technology, HDD faulty alarm	
<b>Auxiliary Interface</b>		
USB Interface	2 ports, 1 for mouse control, 1 for backup	
RS232	N/A	Support
RS485	PTZ control	
<b>Environmental</b>		
Power Supply	AC 100~240 V, 50/60 Hz	
Power Consumption	25W	
Working Environment	-10°C~+55°C / 10~90%RH / 86~106kpa	
Dimension	1U, 375mm×285mm×45mm(W×D×H)	
Weight	2.35KG(without HDD)	