



## UD1B-16

16 Ch TVI/AHD/CVI/Analog Universal Port Recorder  
(3 MP on ports 1-4, 2 MP on ports 5-16), with 2 Bonus IP  
Ch (4 MP), Up to 18 cameras total, 2 HD Bays, 4K

- 16 Channel Universal Port 3MP DVR (AHD/CVI 1080p/720p, Analog)
- 2 Bonus IP Channel - Up To 4 Megapixel
- 4 Channel 3MP TVI Input (Available on Channel 1/2/3/4 Only)
- H.265+/H.265/H.264+/H.264 Video Compression (H.265+/H.265/H.264+ Only Compatible with Ultra Cameras)
- HDMI up to 4K Resolution
- VGA up to 1080p Resolution
- CVBS Spot Monitor
- Supports up to 16 Channel Simultaneous Playback
- Multiple video search options including Smart Search and Sub-Periods for quick retrieval of footage.
- Free iOS & Android Apps for Smart Phones & Tablets
- Free Central Management Software (CMS) to manage multiple units & sites from a single platform
- Free MAC client software to easily manage your system from your Apple computer

Model Number	UD1B-16
Video compression	H.264 / H.264+ / H.265 / H.265+
Analog, AHD, HD-TVI and HD-CVI video input	16 Ch., BNC interface (1.0Vp-p, 75Ω)
HDTVI Input	3 MP, 1080p, 720p. Note: The 3 MP signal input is only available for channel 1/2/3/4
AHD Input	1080p, 720p
HDCVI Input	1080p, 720p
CVBS Input	PAL/NTSC
IP Video Input	2CH, Up to 4MP Resolution / Supports H.265+ / H.265 / H.264+ / H.264 IP cameras
Audio compression	G.711u
Audio input / Two-way audio in	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Video Output	1 HDMI, 1 VGA, 1 CVBS
CVBS Output	1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480
VGA output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
HDMI output	4K (3840 × 2160)@30Hz, 2K (2560 × 1440)@60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Encoding resolution	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF
Frame rate	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)@30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)@30fps (N) When 1080p Lite mode enabled: 3 MP@15fps 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)@30fps (N) Sub-stream: When 1080p Lite mode not enabled: WD1/4CIF@12fps; CIF@25fps (P)/30fps (N)
Video bitrate	32 Kbps to 6 Mbps
Audio output	1 Ch., RCA (Linear, 1KΩ)
Audio bitrate	64 Kbps
Dual-stream	Support
Stream type	Video & Audio
Synchronous playback	16 Ch.
Playback resolution	1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF
Remote connections	128
Network protocols	TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, NFS, iSCSI, UPnP, HTTPS, ONVIF
SATA	2 SATA interface
Capacity	Up to 14TB capacity for each HDD
Network interface	1, RJ45 10M/100M/1000M self-adaptive Ethernet interface
Serial interface	1 x RS-485 serial interface
USB port	2 × USB2.0 (front), 1 × USB3.0 (rear)
Power supply	12 VDC
Consumption (without hard disks)	≤ 25W
Working temperature	-10 °C ~ +55 °C (14 °F ~ 131 °F)
Working humidity	10% ~ 90%
Dimensions	380 × 320 × 48 mm (15.0 × 12.6 × 1.9 inch)
Weight (without hard disks)	4.4 lb
Weight (with hard disks)	3.9 lb

### Ordering Information

**UD1B-16:** 8 Ch Universal Port Recorder