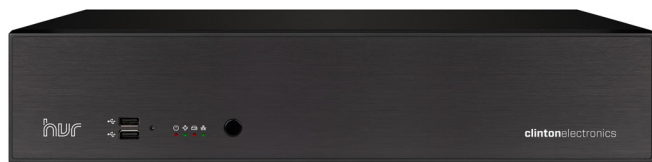


CE-HVR16 16 Channel IP + Analog Hybrid NVR



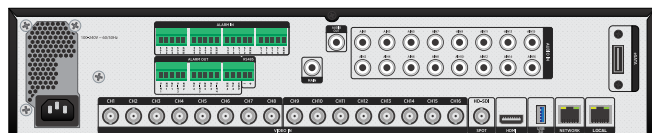
Key Features:

- 16-Channel Hybrid Recording — Supports HD Analog, EX-SDI, and IP cameras
- HD Analog Camera Inputs: HD-TVI, HD-CVI, AHD, and 960H, up to 4MP
- EX-SDI Camera Inputs: HD-SDI, EX-SDI, and EX-SDI 2.0, up to 4MP
- IP Camera Support: H.265 and H.264, up to 8MP (4K) at 30 FPS
- Recording Performance:
 - 240 FPS at 4MP (15 FPS per channel)
 - 480 FPS at 2MP (30 FPS per channel)
- Video Outputs: HDMI (4K) and RCA (CVBS) main monitor outputs
- Spot Monitor Output: HD-SDI (1080p); RCA output can also be configured as an additional spot monitor
- Flexible Management: Local GUI, web browser, or AVMS Software
- Network Video: ONVIF Profile S and RTSP video output
- Remote EX-SDI Camera Control: Adjust EX-SDI camera settings remotely using UCC on all 16 channels*
- Audio: 16 audio inputs and 1 audio output
- Alarms: 16 alarm inputs and 4 alarm outputs
- Backup: Export recordings to USB or PC using AVMS remote software
- Storage: Multiple HDD sizes and configurations available, up to 100TB of storage**
- RAID Support: Configurable RAID storage options
- Rack-Mountable: Includes rack-mount brackets
- NDAA & TAA Compliant

*UCC (Up the Coax Control) requires an EX-SDI 2.0 DVR and camera equipped with UCC function. UCC allows camera adjustments (zoom in/out & adjust settings) to be made remotely through DVR.

**Max 100 TB Internal storage based on 5 x 20 TB HDDs

CONNECTIONS:



DISPLAY	
Video Inputs	16CH BNC or Up to 16ch via Ethernet
HD Analog Input Signal Type	CVBS / 960H / D1 / CIF / A_HD / C_VI / T_VI (Up to 4MP)
EX-SDI Input Signal Type	EX-SDI 4MP / EX-SDI 2.0 / EX-SDI / HD-SDI (Up to 4MP)
Network Camera Input	ONVIF / RTSP / H.264 / H.265 (Up to 8MP)
Video Out (MAIN)	1 HDMI (4K), 1 RCA (CVBS)
Video Out (SPOT)	1 HD-SDI (1080p) *RCA Main can also be configured as SPOT
Live View	Real Time - No Delay
Multi Screen Display	1 / 4 / 7 / 9 / 10 / 13 / 16

RECORDING	
Speed	4MP - 1440p: 240 FPS Global (15 FPS per Channel) 2MP - 1080p: 480 FPS Global (30 FPS per Channel)
Resolution	Auto Detect (4MP - 1440p / 2MP - 1080p) by each channel
Quality	32 Kbps - 8,192 Kbps
Recording Type	Schedule / Continuous / Motion (Event)

SEARCH	
Speed	x1, x2, x4, x8, x16
Quick / Event Search	Search by time with calendar / Search by event
Repeat Search	Select specific time period and playback repeatedly
Preview Search	Displays 1 hour of video as still frames at 4 minute intervals
Museum Search	Search by motion event in selected area

CONNECTIONS	
Audio In / Out	16 RCA In / 1 RCA Out
Alarm In / Out	16 In / 4 Out
USB	2 USB 2.0 Front Ports, 1 USB 3.0 Rear Port (can be disabled)
PTZ / Keyboard	1 RS485 (+ / -)
eSATA	1 eSATA Port for External HDD
Ethernet	2 RJ-45 (1 WAN & 1 LAN)

SYSTEM	
Maximum Storage Capacity	100 TB (internal storage)**
HDD Slots	5 HDD Slots
Back-Up	USB or PC via AVMS Remote Software
Operating System	Embedded Linux
Video Codec	H.264 Enhanced Compression Method
Audio Codec	ADPCM
File Format	Proprietary DVR Format
User Control	Remote Control, USB Mouse, or Jog Wheel
Max Remote Users	15 remote/connected users
PTZ (RS485)	Multiple protocols supported, up to 255 presets
Language	English, Korean, Japanese, Chinese, Russian, French, German, Italian, Taiwan, Spanish, Portuguese

NETWORK	
Network Speed	10/100/1000 Mbps
Network Bandwidth	50 Kbps - 8 Mbps, AVMS 1 Mbps min.
Supported Protocols	IPv4, DDNS, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, NTP, HTTP, HTTPS, SSL ONVIF S
Web Viewer	Google Chrome, Edge, Safari, Firefox

GENERAL	
Operation Temp / Humidity	32°F - 104°F / 20% RH - 80% RH
Power Requirement	100 - 220V AC (50/60Hz) Includes power cable
Power Consumption	200 Watts Max $\pm$ 10%
Dimensions W x D x H	17" x 17.45" x 3.5" 431.8mm x 443.23mm x 88.9mm
Weight (no HDD)	14.1 lbs / 6.396 kg