

## CE-EX16

16 Channel EX-SDI 2.0 DVR



### Key Features:

- Record video: 240 FPS at 1080p (15 FPS per Channel)
- HDMI, VGA, and Composite (RCA/BNC) main monitor outputs
- Composite (RCA/BNC) spot monitor output
- Full HD 1920 x 1080 monitor output
- Auto detects signal type; EX-SDI 2.0, EX-SDI or HD-SDI
- Remotely adjust camera settings with UCC\*
- 16 Audio Inputs / 1 Audio Output
- Local Back-up to USB
- Remote Back-up to PC via AVMS Software
- Multiple HDD sizes are available (Maximum 20 TB internal storage)
- Rack-mountable
- UL Listed

### Universal Clinton DVR Features:

- Stand-alone Linux ASIC system
- Redundant operating system on flash memory and hard drive
- Embedded remote player on video file for PC viewing; no software installation
- Search by channel, time, date, motion, event, or new museum search feature
- Multiple recording rates for schedule, motion, event, time, and day
- Pentaplex operation: simultaneous Live, Record, Playback, Network, and Backup
- E-mail notification, pop-up window, log file
- Panorama search frame-by-frame
- View live & recorded content with the free CEC Connect App for iOS & Android devices
- Gigabit network
- Dual streaming support
- Digital zoom in live view & playback
- Web Browser: Windows & Mac
- Protocol: Static IP, DHCP & DDNS (free)
- AVMS remote software included

### CONNECTIONS:



RECORDING	
Speed	240 FPS Global (15 FPS per Channel)
Resolution	EX-SDI 2.0, EX-SDI, or HD-SDI (1080/720p) by each channel
Quality	Highest / High / Normal / Low
DISPLAY	
Video In	16CH [BNC] Auto Sensing: EX-SDI 2.0, EX-SDI or HD-SDI (1080p, 720p)
Video Out (MAIN)	1 HDMI, 1 VGA, 1 Composite (RCA/BNC)
Video Out (SPOT)	Composite (RCA/BNC) Main can be configured as SPOT (Analog)
Live View	Real Time- No Delay
Multi Screen Display	1 / 4 / 7 / 9 / 10 / 13 / 16
CONNECTIONS	
Audio In / Out	16 RCA In / 1 RCA Out
Alarm In / Out	4 In / 1 Out
USB	2 USB Ports (1 Front / 1 Rear)
PTZ / Keyboard	1 RS485 (TX +/-)
eSATA	1 eSATA Port for External RAID HDD Systems
Ethernet	1 RJ-45 100/1,000 Mbps Ethernet
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
Panorama Search	Search by selected area
Museum Search	Search by selected area
SYSTEM	
Maximum Storage Capacity	20 TB (internal storage)
HDD Slots	2 HDD Slots
Back-Up	Locally to USB Remotely to 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
PTZ Support	Control Through USB Mouse / Multiple Protocols Recognized: Clinton, Pelco, Panasonic, Kalatel, etc...
Network Bandwidth	50 kbps - 8 mbps, AVMS 1 mbps min.
Language	English, Korean, Japanese, Chinese, Russian, French, German, Italian, Taiwan, Spanish, Portuguese
GENERAL	
Operation Temp / Humidity	32°F - 104°F / 20% RH - 80% RH
Power Requirement	DC12V (DC12V/5A Power Supply included)
Power Consumption	1.25A Max ± 10%
Dimensions (W x D x H)	13.77" x 10.15" x 2.75" / 349.758 mm x 257.81mm x 69.85mm
Weight (no HDD)	4.08 lbs / 1.851 Kg

OPTIONAL HDDS	
CE-EX16/1TB	1 TB HDD
CE-EX16/2TB	2 TB HDD
CE-EX16/3TB	3 TB HDD
CE-EX16/4TB	4 TB HDD
CE-EX16/6TB	6 TB HDD
CE-EX16/8TB	8 TB HDD
CE-EX16/10TB	10 TB HDD

\*UCC (Universal Coax Communication) requires an EX-SDI 2.0 DVR and camera equipped with UCC function. UCC allows camera adjustments to be made remotely through DVR when connected to Channel 1.