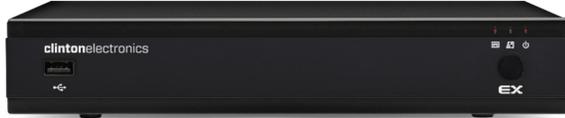# clintonelectronics

EX-SDI 2.0

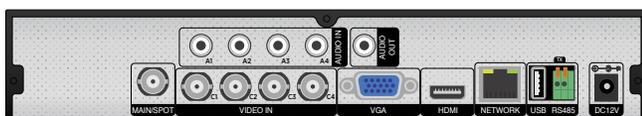# CE-EX4 4 Channel 2MP EX-SDI 2.0 + HD-SDI DVR

CE-EX4 FEATURES:

· 4 Camera Inputs: EX-SDI 2.0, EX-SDI, & HD-SDI (auto detects)
· Record video: 120 FPS at 2MP - 1080p (30 FPS per Channel)
· HDMI, VGA and BNC (CVBS) Main monitor outputs
· BNC Main can be configured as Spot Monitor
· RTSP / ONVIF S network video outputs
· Auto detects camera type; EX-SDI 2.0, EX-SDI, or HD-SDI
· Automatically adjust resolution for each camera, each channel
· 4 Audio Inputs / 1 Audio Output
· Back-up to USB or PC via AVMS remote software
· Multiple HDD sizes/configurations available (Max. 10 TB internal storage)*

Universal Clinton DVR Features:

· Stand-alone Linux ASIC system
· Redundant operating system on flash memory
· Embedded backup player on video file for PC viewing, no installation
· Search by channel, time, date, motion, event
· Advanced search modes: Museum search (search for events in selected area), Preview (preview 1 hour of video as 16 still frames)
· 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
· View live, search, backup video and control PTZ cameras with the CVMS Mobile App (iOS & Android) & AVMS software (Windows PC)
· Gigabit network (up to 1,000 Mbps)
· Dual streaming support
· Web Browser: Windows (Internet Explorer)
· Free DDNS service
· AVMS remote software included

CONNECTIONS:

RECORDING	
Speed	2MP - 1080p: 120 FPS Global (30 FPS per Channel)
Resolution	Auto Detect (1080p/720p) by each channel
Quality	32 Kbps - 8,192 Kbps
Recording Type	Schedule / Continuous / Motion (Event)
DISPLAY	
Video Inputs	4CH BNC
Input Signal Type	EX-SDI 2.0 / EX-SDI / HD-SDI
Video Out (MAIN)	1 HDMI, 1 VGA, 1 RCA (Analog)
Video Out (SPOT)	BNC (Analog) main can be configured as SPOT
Live View	Real Time - No Delay
Multi Screen Display	1 / 4
CONNECTIONS	
Audio In / Out	4 RCA In / 1 RCA Out
Alarm In / Out	n/a
USB	2 USB Ports (1 Front, 1 Rear)
PTZ / Keyboard	1 RS485 (+ / -)
eSATA	n/a
Ethernet	1 RJ-45 10/100/1,000 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
Preview Search	Displays 1 hour of video as still frames at 4 minute intervals
Museum Search	Search by motion event in selected area
SYSTEM	
Maximum Storage Capacity	10 TB (internal storage)*
HDD Slots	1 HDD Slot
Back-Up	USB or PC via AVMS Remote Software
Operating System	Embedded Linux
Video Codec	h.264
Audio Codec	ADPCM
File Format	Proprietary DVR Format
User Control	Remote Control or USB Mouse
Max Remote Users	15 remote/connected users
PTZ (RS485) Protocols	Clinton-W, Clinton-V, Cyberscan I, Cyberscan II, TB-CN3R1, Pelco D, Pelco P, NVCC-Z42N, Cyberdome (Kalatel), Samsung, Samsung Techwin, Sungjin, Dongyang, DRX-500, DS120, Fastrax II, Sensormatic, PIH-7600, Eyeview Dome, Erna Tech, DY-255RXB, Acut Vista, Panasonic WV-CS950, PTC-401C, HSDN-251, CTDC-5355, AD Speed Dome, VCL (Honeywell)
Network Bandwidth	50 Kbps - 8 Mbps, AVMS 1 Mbps min.
Network Protocol	RTSP, ONVIF S, IPv4, DHCP, DDNS, TCP, HTTP, HTTPS, SSL
RTSP Integration	SureView Immix
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/3A Power Supply included)
Power Consumption	850mA Max ± 10%
Dimensions (W x D x H)	10.25" x 9.375" x 1.75" / 260mm x 238mm x 44mm
Weight (no HDD)	2.6 lbs / 1.17 Kg

*Max 10 TB Internal HDD based on 1 x 10 TB HDD (1 HDD Slots).

Clinton reserves the right, without notification, to make changes in product design & specification.