

# CNE0410, CNE0810, CNE1610

4, 8 & 16 Channel IP Video Encoder ,  
H.264, MPEG-4, MPEG-2, MJPEG

**VANDERBILT**

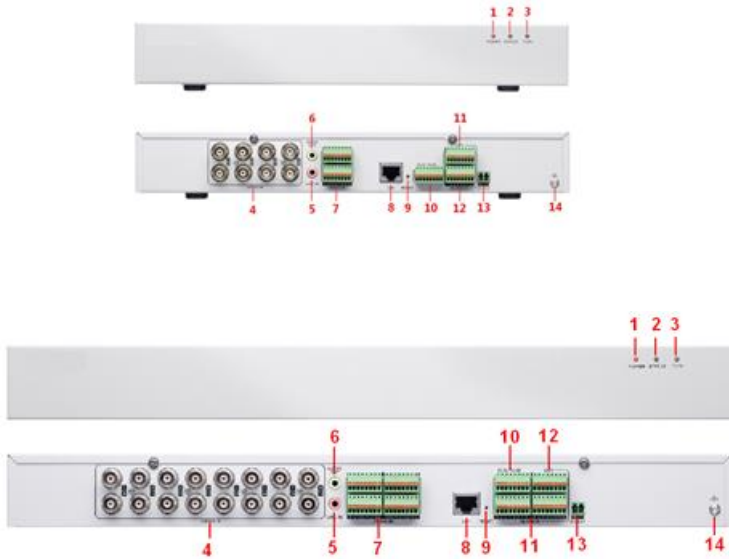


CNE0410  
CNE0810  
CNE1610

The new range of IP Video Encoders can effectively extend the transmission distance of any analogue camera by connecting it to an existing or new IP network, and is the ideal device for supporting the cost effective migration of analogue to IP video systems. Along with quadruple encoding for more flexibility, The ONVIF compatibility enables the encoder to be interoperable with many other 3rd party ONVIF IP-based security systems. The integrated motion detection is also an enhancement for all analogue systems and provides additional system security. Furthermore it is a perfect addition to our Vectis iX recoding range.

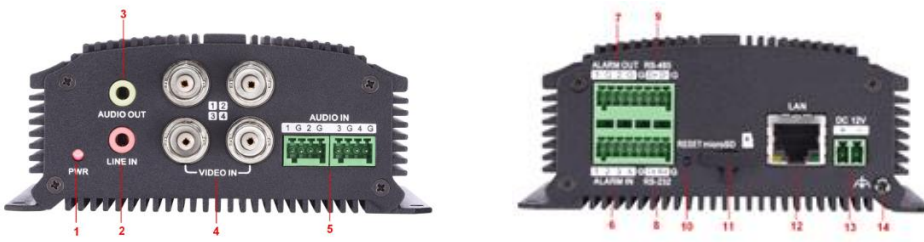
## Key Features include:

- H.264, MPEG-4, MPEG-2 & MJPEG quadruple encoding
- Support encoding video at up to 4CIF resolution
- PAL & NTSC input signal supported
- High encoding performance: 25 ips @ PAL, 30 ips @ NTSC
- ONVIF protocol support
- Motion & Alarm detection
- MicroSD card support up to 32Gb for local alarm recording (CNE0410 only)
- RS485 telemetry / PTZ control output
- 12 V DC power supply (Power adaptor provided) & PoE (CNE0410 only)
- 19" rack-mount (CNE1610 only)



Legend (CNE0810 ; CNE1610)

- 1 LED Power Indicator
- 2 LED System Status Indicator
- 3 LED Tx/Rx Network Status Indicator
- 4 Video Input
- 5 Line In
- 6 Audio Output
- 7 Audio Input
- 8 Network Port
- 9 Reset Button
- 10 RS232 Port, RS485 Port
- 11 Alarm Input
- 12 Alarm Output
- 13 DC12V Power Cord Connector
- 14 Ground Connector



Legend (CNE0410)

- 1 LED Power Indicator
- 2 Line In
- 3 Audio Output
- 4 Video Input
- 5 Audio Input
- 6 Alarm Input
- 7 Alarm Output
- 8 RS-232
- 9 RS-485
- 10 Reset Button
- 11 microSD slot
- 12 Network Port
- 13 DC12V Power Cord Connector
- 14 Ground Connector

## Technical Data

|                            | CNE0410  | CNE0810  | CNE1610   |
|----------------------------|--|--|---|
| <b>Inputs/Outputs</b>      |  |  |   |
| Video inputs               | 4 Composite (BNC 1.0 Vpp, 75 Ohm), PAL/NTSC (auto detection) | 8 Composite (BNC 1.0 Vpp, 75 Ohm), PAL/NTSC (auto detection) | 16 Composite (BNC 1.0 Vpp, 75 Ohm), PAL/NTSC (auto detection) |
| Audio inputs               | 4 line level RCA (2.0 Vpp, 1 kOhm)                           | 8 line level RCA (2.0 Vpp, 1 kOhm)                           | 16 line level RCA (2.0 Vpp, 1 kOhm)                           |
| Global Two-way Audio Input | 1 ch, 3.5mm interface (2.0 vpp, 1kOhm)                       |  |   |
| Audio output               | 1 ch, 3.5mm interface (Linear, 600 Ohm)                      |  |   |

|                   |   |   |                   |
|-------------------|---|---|-------------------|
| Alarm inputs      | 4, NC or NO, TTL  | 8, NC or NO, TTL  | 16, NC or NO, TTL |
| Alarm outputs     | 2 relay output  | 4 relay output  |                   |
| Network           | 1 RJ-45 Ethernet interface<br>(10 M / 100 Mbps adaptive)  | 1 RJ-45 Ethernet interface (10M / 100M / 1000M bps<br>adaptive) |                   |
| Protocols         | IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP,<br>SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, hkDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP,<br>IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, OnVIF, netFilter |   |                   |
| Serial interfaces | 1 half-duplex RS-485 interface, 1 RS-232 interface  |   |                   |

|                        |   |  |  |
|------------------------|---|--|--|
| PTZ supported protocol | 1602-Protocols; 3609hd; A-01; AB-D,AB-P; ACES; ADV; ALSON; ANTEN; BBV-RS422;<br>BEWATOR-PELCO-D; DRAGON; DSCP; HIKVISION; HY; Honeywell; INFINOVA;<br>infinovadcp001a; integrative; KALATEL; KC3360S; KTD-348; Kony;<br>LC-D2104; LG-D2104; LG MULTIX; LILIN; MAOWANG; NAIJIE; NITRO;<br>PANASONIC_CS850; PANASONIC_CS850;<br>PELCO-D; PELCO-P; PELCO-RS422TY; PHILIPS; PHILIPS-3; PIH-1016; PLD; RM110;<br>RedApple; SAE; SHINEI; SONY-EVI-D;<br>SPD-2200; SUNELL; SAMSUNG; Siemens(SCU); TC-PELCO-D; TC-PELCO-P; TCL-<br>PELCO-D; TCL-PELCO-P; TECHWIN;<br>TIANDY-PELCO-D; TIANDY-PELCO-P; TIANMIN-PELCO-D; TIANMIN-PELCO-P; TL-<br>HHX2000; TL-PELCO-P; TL-PELCO-P;<br>TL-V1200; TL-V1200; Tiandy; VC-2000PTC-C; VCL; VICON; VIDO B-01; VIDO B-02;<br>YAAN-1; YAAN-2; YF-06; YOULI |  |  |
|------------------------|---|--|--|

### Encoding

|                     |   |  |  |
|---------------------|---|--|--|
| Compression         | H.264/MPEG4/MPEG2/MJPEG (video), G.711 (audio)  |  |  |
| Encoding speed      | H.264/MPEG4/MPEG2<br>encoding: up to 100 ips<br>(PAL), up to 120 ips (NTSC)<br>MJPEG encoding: up to 60ips<br>Dual stream supported | H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N)<br>MJPEG encoding: 15 fps<br>Dual stream supported |  |
| Stream Type         | Video, Video & Audio  |  |  |
| Encoding resolution | 4CIF / 2CIF / CIF / QCIF  |  |  |
| Encoding Bit Rate   | Video: 32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)<br>Audio: 64 Kbps  |  |  |
| Encoding mode       | Continuous, Motion, Alarm, Manual   |  |  |

### System

|                  |  |  |  |
|------------------|--|--|--|
| Operating system | Embedded Linux (built-in flash memory) |  |  |
|------------------|--|--|--|

|         | <b>CNE0410</b>  | <b>CNE0810</b>                          | <b>CNE1610</b> |
|---------|---|---|----------------|
| Storage | MicroSD (up to 32GB)<br>Support NAS, iSCSI, IPSAN<br>connection | Support NAS, iSCSI, IPSAN<br>connection |                |

### Specifications

|                    |   |   |          |
|--------------------|---|---|----------|
| Power requirements | PoE & 12 VDC (power<br>adapter 100~240VAC<br>provided in the box) | 12 VDC (power adapter 100~240VAC provided in the box) |          |
| Power consumption  | Max. 8W   | Max. 10W  | Max. 22W |

|                                |                            |                   |  |
|--------------------------------|----------------------------|-------------------|--|
| Ambient temperature, operating | -10°C ~ +55°C              |                   |  |
| Relative humidity              | 10% ~ 90%, no condensation |                   |  |
| Dimensions (W x H x D)         | 114 x 48 x 128 mm          | 315 x 45 x 200 mm | 440 x 45 x 274 mm<br>19" Rack-mount with brackets (provided) |
| Gross Weight                   | 0.900 kg                   | 2.400 kg          | 4.200 kg   |
| Net Weight                     | 0.840 kg                   | 2.220 kg          | 3.840 kg   |
| Approvals                      | CE                         |                   |  |

## Details for ordering

| Type           | Part no          | Designation               | Weight*  |
|----------------|------------------|---------------------------|----------|
| <b>CNE0410</b> | V54561-C122-A100 | 4CH IP A/V ENCODER H.264  | 0.900 kg |
| <b>CNE0810</b> | V54561-C123-A100 | 8CH IP A/V ENCODER H.264  | 2.400 kg |
| <b>CNE1610</b> | V54561-C124-A100 | 16CH IP A/V ENCODER H.264 | 4.200 kg |

